

# Interstate 80/US Highway 50 Managed Lanes Transportation Analysis Report



Prepared for:



December 2023



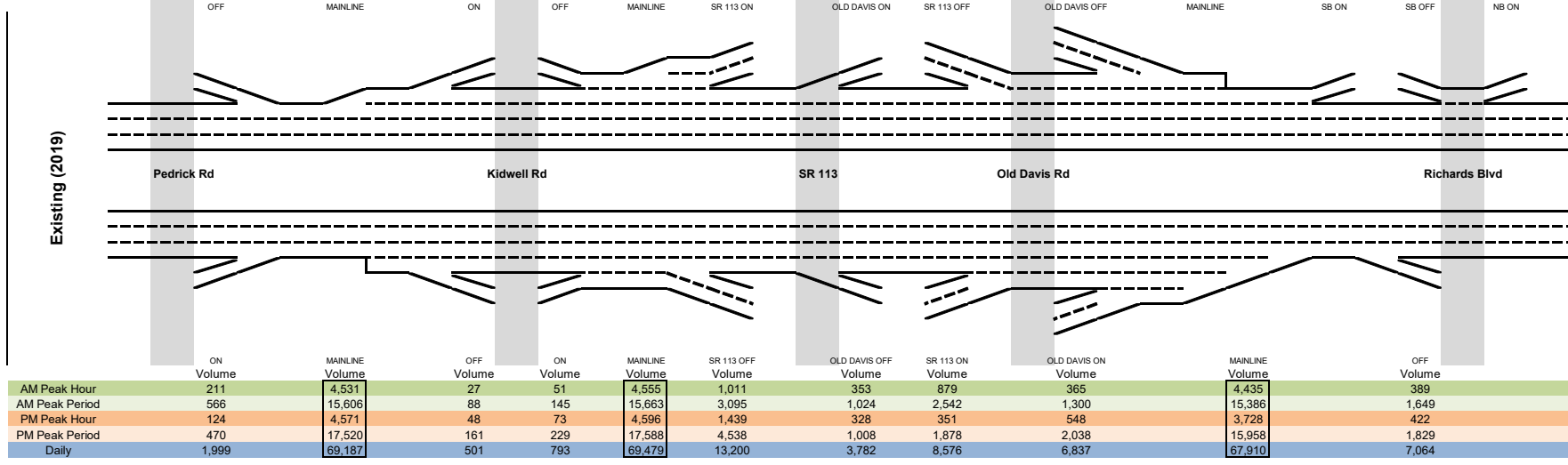
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# **Appendix A:**

## **2019 Stick Diagrams**

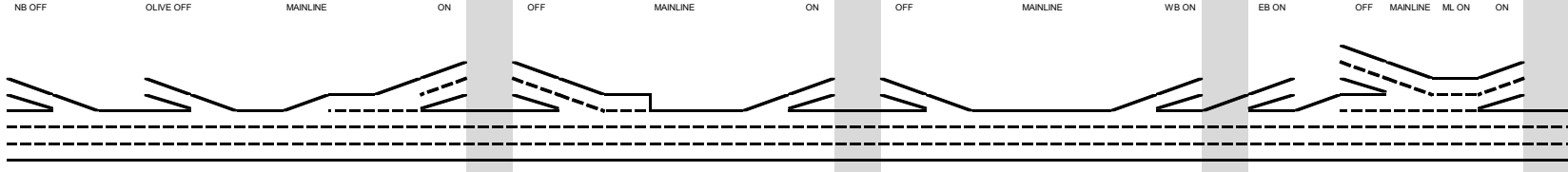
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
AM Peak Hour	204	4,728	37	63	4,754	1,056	29	856	352	4,877	141	105	310
AM Peak Period	614	17,506	79	182	17,609	3,064	141	3,188	1,340	18,932	542	419	1,209
PM Peak Hour	166	4,314	12	38	4,340	907	193	885	204	4,329	265	65	383
PM Peak Period	711	15,208	48	158	15,318	3,449	621	3,573	650	15,471	1,073	262	1,422
Daily	2,652	73,022	273	783	73,532	12,035	1,287	11,764	3,259	75,233	3,777	1,223	4,837



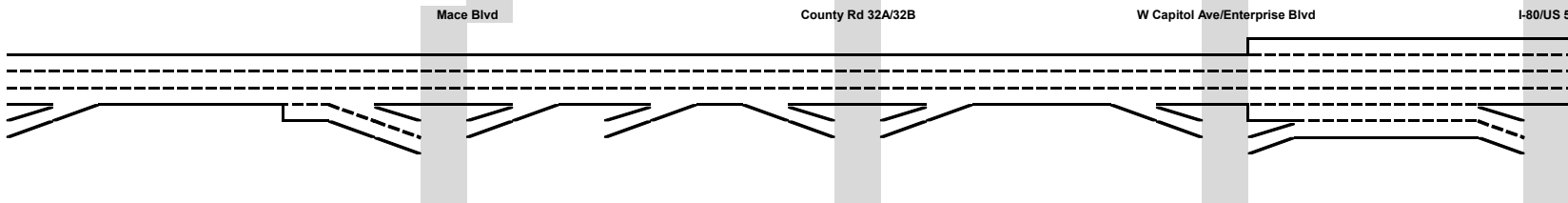
	ON Volume	MAINLINE Volume	OFF Volume	ON Volume	MAINLINE Volume	SR 113 OFF Volume	OLD DAVIS OFF Volume	SR 113 ON Volume	OLD DAVIS ON Volume	MAINLINE Volume	OFF Volume
AM Peak Hour	211	4,531	27	51	4,555	1,011	353	879	365	4,435	389
AM Peak Period	566	15,606	88	145	15,663	3,095	1,024	2,542	1,300	15,386	1,649
PM Peak Hour	124	4,571	48	73	4,596	1,439	328	351	548	3,728	422
PM Peak Period	470	17,520	161	229	17,588	4,538	1,008	1,878	2,038	15,958	1,829
Daily	1,999	69,187	501	793	69,479	13,200	3,782	8,576	6,837	67,910	7,064



	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
AM Peak Hour	299	292	5,122	463	839	5,498	10	253	5,741	798	362	924	5,505	2,721
AM Peak Period	1,093	763	19,456	1,686	3,095	20,865	65	767	21,567	2,190	979	3,065	21,463	10,132
PM Peak Hour	204	93	4,043	381	940	4,602	32	290	4,860	358	150	399	4,751	2,281
PM Peak Period	859	459	14,556	1,555	3,790	16,791	81	1,253	17,963	1,482	538	1,677	17,620	7,986
Daily	3,781	2,105	73,728	6,242	12,055	79,541	295	3,032	82,278	5,269	2,295	10,946	85,660	40,888



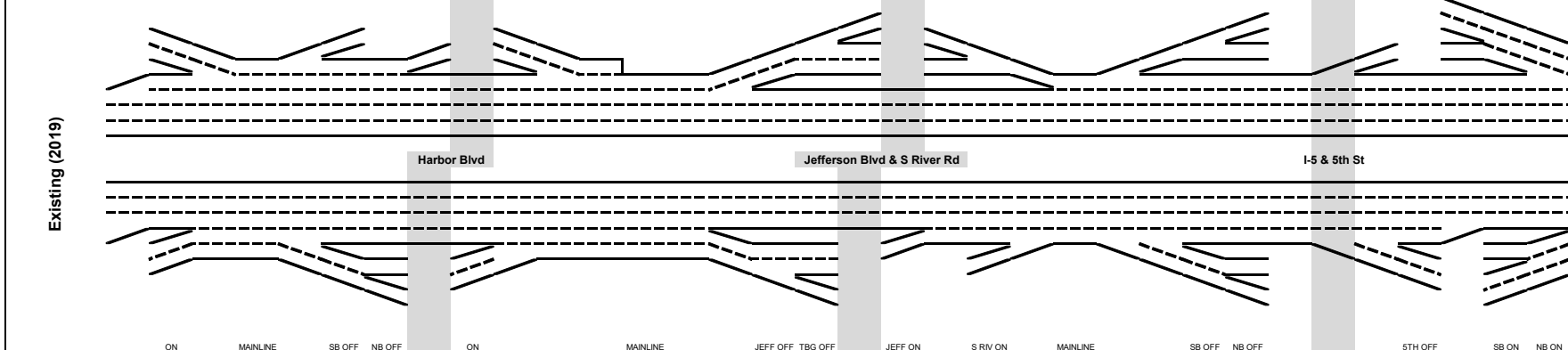
Existing (2019)



	ON Volume	MAINLINE Volume	OFF Volume	SB ON Volume	NB ON Volume	MAINLINE Volume	OFF Volume	ON Volume	MAINLINE Volume	OFF Volume	ON Volume	MAINLINE ML OFF	OFF Volume
AM Peak Hour	242	4,288	314	680	405	5,059	7	299	5,351	302	494	5,543	1,756
AM Peak Period	903	14,640	1,144	2,065	1,345	16,906	36	734	17,604	1,016	1,908	18,496	6,165
PM Peak Hour	375	3,681	153	641	521	4,690	9	633	5,314	423	988	5,879	2,323
PM Peak Period	1,507	15,636	871	2,311	1,667	18,743	36	2,036	20,743	1,710	3,281	22,314	9,903
Daily	5,484	66,330	4,667	7,222	4,889	73,774	200	3,795	77,369	4,625	10,513	83,256	31,108

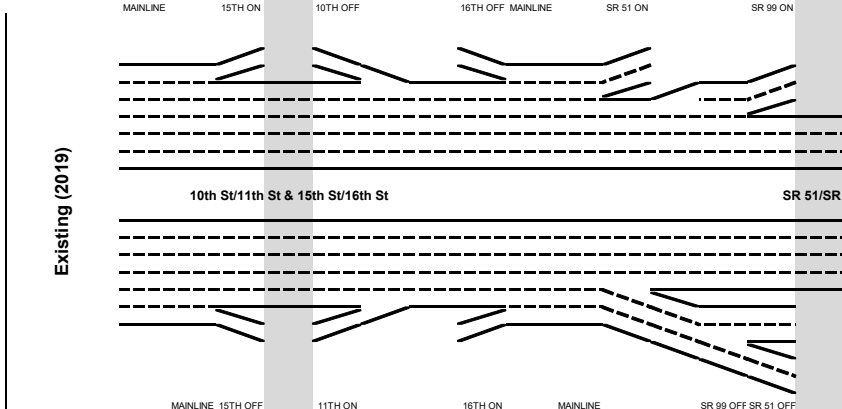
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
AM Peak Hour	1,405	4,189	207	532	1,700	5,150	249	151	674	674	6,267	260	751	242	707	2,671	
AM Peak Period	4,469	15,800	771	1,496	5,982	19,515	915	590	1,999	1,999	23,172	1,065	2,523	752	2,701	9,799	
PM Peak Hour	1,719	4,189	253	510	1,414	4,840	507	797	734	734	5,751	474	474	441	1,816	1,808	
PM Peak Period	5,678	15,312	927	1,756	4,856	17,485	1,388	2,026	2,492	2,492	22,148	1,742	1,755	1,471	6,691	7,401	
Daily	19,293	64,065	3,671	5,255	20,804	75,943	3,715	2,883	8,150	8,150	95,273	6,083	7,782	3,681	18,917	38,613	

OFF MAINLINE SB ON NB ON OFF MAINLINE JEFF ON TBG ON JEFF OFF S RIV OFF MAINLINE SB ON NB ON 5TH ON SB OFF NB OFF



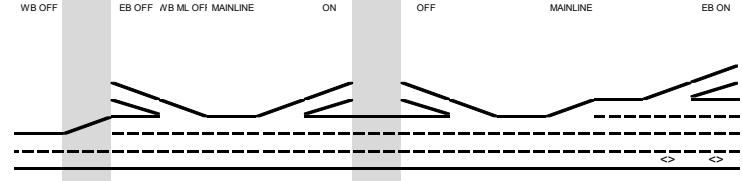
	ON Volume	MAINLINE Volume	SB OFF Volume	NB OFF Volume	ON Volume	MAINLINE Volume	JEFF OFF TBG OFF Volume	JEFF ON Volume	S RIV ON Volume	MAINLINE Volume	SB OFF Volume	NB OFF Volume	5TH OFF Volume	SB ON Volume	NB ON Volume	
AM Peak Hour	1,673	5,460	153	680	933	5,559	300	652	1,717	1,202	7,526	903	423	730	2,240	1,675
AM Peak Period	4,862	17,193	533	2,325	3,408	17,742	1,158	1,887	5,553	3,167	23,417	3,046	1,479	2,105	8,507	5,795
PM Peak Hour	1,855	5,412	200	687	1,118	5,642	551	556	1,432	808	6,775	1,116	150	1,172	1,789	832
PM Peak Period	6,126	18,536	773	2,439	4,430	19,754	1,913	1,572	5,577	2,961	24,807	5,021	974	3,872	7,721	3,556
Daily	18,649	70,797	2,643	8,948	17,200	76,405	5,065	5,046	20,618	10,546	97,458	15,855	5,657	9,192	35,559	17,983

	Volume	Volume	Volume	Volume	Volume	Volume	Volume
AM Peak Hour	8,392	716	1,312	1,021	10,009	1,247	2,508
AM Peak Period	31,332	2,281	3,829	3,283	36,163	4,135	9,531
PM Peak Hour	7,986	843	813	723	8,679	1,267	2,115
PM Peak Period	31,272	3,157	3,017	3,073	34,205	4,893	8,218
Daily	135,257	11,698	12,017	12,041	147,617	20,676	39,797



	MANLINE Volume	15TH OFF Volume	11TH ON Volume	16TH ON Volume	MANLINE Volume	SR 99 OFF SR 51 OFF Volume	SR 51 OFF Volume
AM Peak Hour	9,385	475	572	495	9,977	1,825	1,580
AM Peak Period	31,089	1,963	1,941	1,652	32,719	6,552	6,131
PM Peak Hour	6,958	755	908	624	7,735	2,448	733
PM Peak Period	26,217	2,876	3,182	2,314	28,837	8,919	3,521
Daily	120,296	9,513	9,682	8,474	128,939	34,565	21,757

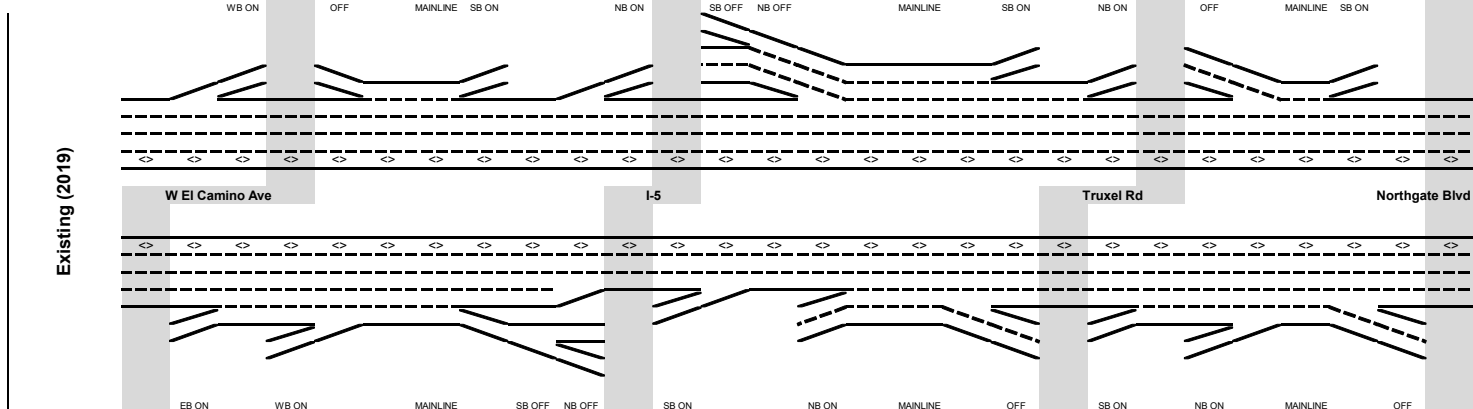
Volume	Volume	Volume	Volume	Volume	Volume	Volume
2,721	1,673	4,393	272	1,546	5,667	533
10,132	4,862	14,994	1,081	5,297	19,210	1,547
2,281	1,855	4,137	904	1,242	4,475	206
7,986	6,126	14,111	2,853	4,155	15,413	809
40,888	18,649	59,537	7,761	16,115	67,891	3,972



EB ON Volume	WB ON Volume	EB ML ON MAINLINE Volume	OFF Volume	ON Volume	MAINLINE Volume	OFF Volume
1,756	1,405	3,161	889	517	2,789	425
6,165	4,469	10,634	2,791	1,928	9,771	1,483
2,323	1,719	4,042	512	1,661	5,191	1,256
9,903	5,678	15,581	1,980	5,441	19,042	4,313
31,108	19,293	50,401	8,945	14,183	55,639	9,458

Existing (2019)

	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
AM Peak Hour	416	815	5,533	1,048	74	2,713	992	8,116	1,196	353	1,061	7,628	412
AM Peak Period	1,247	2,339	18,754	3,365	355	8,974	3,624	27,632	3,566	1,150	3,319	26,235	1,516
PM Peak Hour	383	468	4,353	961	211	2,174	1,280	6,635	1,102	199	1,172	6,505	667
PM Peak Period	1,231	1,814	15,187	3,348	637	8,335	4,951	24,488	4,058	864	4,631	24,197	2,168
Daily	4,319	7,514	67,114	12,405	1,916	32,673	17,918	103,384	14,997	4,286	15,018	99,119	7,159



	EB ON Volume	WB ON Volume	MAINLINE Volume	SB OFF Volume	NB OFF Volume	SB ON Volume	NB ON Volume	MAINLINE Volume	OFF Volume	SB ON Volume	NB ON Volume	MAINLINE Volume	OFF Volume
AM Peak Hour	606	540	3,510	155	680	1,057	2,743	6,475	1,385	667	606	6,363	924
AM Peak Period	1,733	1,279	11,300	540	2,331	3,357	8,254	20,040	4,400	2,071	1,733	19,444	3,058
PM Peak Hour	453	485	4,872	59	1,503	926	2,847	7,083	1,223	557	453	6,870	615
PM Peak Period	1,652	1,714	18,094	261	4,884	3,682	10,424	27,055	5,788	2,356	1,652	25,275	2,493
Daily	5,989	5,248	57,419	1,461	12,885	15,496	35,460	94,029	19,156	9,718	5,989	90,579	11,665

**Appendix B:**  
**Existing Conditions**  
**Operations Analysis Results**

**VISSIM Post-Processor**  
**Average Results from 10 Runs**  
**Volume Validation**

**I-80/US 50 Managed Lanes**  
**Existing Conditions**  
**AM Peak Period**

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 EB: Pedrick Rd Off to On	Mainline	3,760	3,755	-5.0	-0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Pedrick Rd On	On	142	141	-0.4	-0.3%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Pedrick Rd to Kidwell Rd	Mainline	3,902	3,889	-12.7	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd Off	Off	22	22	-0.5	-2.2%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd Off to On	Mainline	3,880	3,862	-17.5	-0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd On	On	36	36	-0.4	-1.2%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd to SR 113	Mainline	3,916	3,898	-17.9	-0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: SR 113 Off	Off	774	773	-1.1	-0.1%	0.0	+/- 15%	Yes	< 5	Yes
I-80 EB: SR 113 Off to Old Davis Rd Off	Mainline	3,142	3,121	-21.0	-0.7%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd Off	Off	256	252	-4.5	-1.8%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd Off to SR 113 On	Mainline	2,886	2,869	-16.5	-0.6%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: SR 113 On	On	636	636	0.7	0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: SR 113 On to Old Davis Rd On	Mainline	3,522	3,499	-22.7	-0.6%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd On	On	325	324	-1.4	-0.4%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd to Richards Blvd	Mainline	3,847	3,819	-27.5	-0.7%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd Off	Off	412	417	4.3	1.0%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd Off to On	Mainline	3,434	3,400	-34.1	-1.0%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd On	On	226	223	-3.2	-1.4%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd to Mace Blvd	Mainline	3,660	3,617	-43.5	-1.2%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd Off	Off	286	280	-6.4	-2.2%	0.4	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd Off to SB On	Mainline	3,374	3,335	-38.8	-1.2%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd SB On	On	516	517	0.7	0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd SB On to NB On	Mainline	3,890	3,851	-39.1	-1.0%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd NB On	On	336	341	4.5	1.3%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd to Chiles Rd	Mainline	4,227	4,178	-48.3	-1.1%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd Off	Off	9	9	-0.2	-1.9%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd Off to On	Mainline	4,218	4,166	-51.3	-1.2%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd On	On	183	183	0.0	0.0%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd to Enterprise Blvd	Mainline	4,401	4,335	-66.4	-1.5%	1.0	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd Off	Off	254	248	-6.4	-2.5%	0.4	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd Off to On	Mainline	4,147	4,084	-63.0	-1.5%	1.0	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd On	On	477	473	-3.7	-0.8%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd to US 50	Mainline	4,624	4,557	-66.7	-1.4%	1.0	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-80 Off	Off	1,541	1,514	-27.7	-1.8%	0.7	+/- 15%	Yes	< 5	Yes
US 50 EB: I-80 Off to On	Mainline	3,083	3,041	-42.1	-1.4%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-80 On	On	1,216	1,223	7.8	0.6%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: I-80 to Harbor Blvd	Mainline	4,298	4,264	-34.3	-0.8%	0.5	+/- 400 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd Off	Off	715	713	-1.6	-0.2%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: Harbor Blvd SB Off	Off	133	132	-1.1	-0.8%	0.1	+/- 100 vph	Yes	< 5	Yes

VISSIM Post-Processor  
Average Results from 10 Runs  
Volume Validation

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
US 50 EB: Harbor Blvd NB Off	Off	581	581	-0.1	0.0%	0.0	+/- 100 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd Off to On	Mainline	3,584	3,549	-34.4	-1.0%	0.6	+/- 400 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd On	On	852	854	2.0	0.2%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: Harbor Blvd to TBG/Jefferson Blvd	Mainline	4,436	4,403	-32.5	-0.7%	0.5	+/- 400 vph	Yes	< 5	Yes
US 50 EB: TBG/Jefferson Blvd Off	Off	761	748	-13.6	-1.8%	0.5	+/- 15%	Yes	< 5	Yes
US 50 EB: Jefferson Blvd Off	Off	290	287	-2.5	-0.9%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 EB: Tower Bridge Gateway Off	Off	472	461	-11.1	-2.4%	0.5	+/- 100 vph	Yes	< 5	Yes
US 50 EB: TBG/Jefferson Blvd Off to On	Mainline	3,675	3,650	-24.1	-0.7%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 EB: Jefferson Blvd On	On	1,388	1,362	-25.9	-1.9%	0.7	+/- 15%	Yes	< 5	Yes
US 50 EB: Jefferson Blvd On to S River Rd On	Mainline	5,063	5,013	-49.9	-1.0%	0.7	+/- 400 vph	Yes	< 5	Yes
US 50 EB: S River Rd On	On	792	789	-2.9	-0.4%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: S River Rd to I-5	Mainline	5,855	5,802	-52.8	-0.9%	0.7	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-5 Off	Off	1,131	1,101	-29.9	-2.6%	0.9	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 SB Off	Off	762	738	-23.4	-3.1%	0.9	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 NB Off	Off	370	363	-6.4	-1.7%	0.3	+/- 100 vph	Yes	< 5	Yes
US 50 EB: I-5 Off to 5th St Off	Mainline	4,723	4,699	-24.1	-0.5%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 5th St Off	Off	526	511	-15.4	-2.9%	0.7	+/- 100 vph	Yes	< 5	Yes
US 50 EB: 5th St Off to I-5 On	Mainline	4,197	4,186	-10.6	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-5 NB On	On	1,449	1,451	2.5	0.2%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 SB On	On	2,127	2,132	5.4	0.3%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 On	On	3,576	3,583	7.9	0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-5 to 15th St	Mainline	7,773	7,770	-2.7	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 15th St Off	Off	491	474	-16.7	-3.4%	0.8	+/- 100 vph	Yes	< 5	Yes
US 50 EB: 15th St Off to 11th St On	Mainline	7,282	7,299	17.4	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 11th St On	On	485	483	-2.5	-0.5%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 EB: 11th St On to 16th St On	Mainline	7,767	7,783	15.7	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 16th St On	On	413	411	-2.4	-0.6%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 EB: 16th St to SR 51/99	Mainline	8,180	8,193	13.3	0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 EB: SR 51/99 Off	Off	3,171	3,161	-10.2	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: SR 99 Off	Off	1,638	1,634	-4.0	-0.2%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: SR 51 Off	Off	1,533	1,527	-6.2	-0.4%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: SR 51/99 Off to 26th St On	Mainline	5,009	5,033	23.6	0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: US 50 On	On	1,117	1,120	3.0	0.3%	0.1	+/- 15%	Yes	< 5	Yes
I-80 EB: US 50 to Reed Ave	Mainline	2,659	2,632	-26.4	-1.0%	0.5	+/- 15%	Yes	< 5	Yes
I-80 EB: Reed Ave Off	Off	698	707	9.0	1.3%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Reed Ave Off to On	Mainline	1,961	1,924	-36.9	-1.9%	0.8	+/- 15%	Yes	< 5	Yes
I-80 EB: Reed Ave On	On	482	474	-7.7	-1.6%	0.4	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Reed Ave to W El Camino Ave	Mainline	2,443	2,394	-48.7	-2.0%	1.0	+/- 15%	Yes	< 5	Yes

**VISSIM Post-Processor**  
**Average Results from 10 Runs**  
**Volume Validation**

**I-80/US 50 Managed Lanes**  
**Existing Conditions**  
**AM Peak Period**

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 EB: W El Camino Ave Off	Off	371	361	-9.3	-2.5%	0.5	+/- 100 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave Off to EB On	Mainline	2,072	2,031	-41.5	-2.0%	0.9	+/- 15%	Yes	< 5	Yes
I-80 EB: W El Camino Ave EB On	On	433	434	0.6	0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave EB On to WB On	Mainline	2,505	2,464	-41.3	-1.6%	0.8	+/- 15%	Yes	< 5	Yes
I-80 EB: W El Camino Ave WB On	On	320	317	-2.8	-0.9%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave to I-5	Mainline	2,825	2,780	-44.7	-1.6%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-5 Off	Off	718	713	-4.8	-0.7%	0.2	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 SB Off	Off	135	134	-1.4	-1.0%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: I-5 NB Off	Off	583	579	-3.4	-0.6%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: I-5 Off to SB On	Mainline	2,107	2,066	-41.4	-2.0%	0.9	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 SB On	On	839	841	2.0	0.2%	0.1	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 SB On to NB On	Mainline	2,946	2,905	-40.9	-1.4%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-5 NB On	On	2,064	2,046	-17.4	-0.8%	0.4	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 to Truxel Rd	Mainline	5,010	4,951	-58.4	-1.2%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd Off	Off	1,100	1,087	-13.1	-1.2%	0.4	+/- 15%	Yes	< 5	Yes
I-80 EB: Truxel Rd Off to SB on	Mainline	3,910	3,863	-46.9	-1.2%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd SB On	On	518	520	2.2	0.4%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd SB On to NB On	Mainline	4,428	4,382	-45.2	-1.0%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd NB On	On	433	436	2.9	0.7%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd to Northgate Blvd	Mainline	4,861	4,815	-45.5	-0.9%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Northgate Blvd Off	Off	765	757	-7.3	-1.0%	0.3	+/- 15%	Yes	< 5	Yes
I-80 EB: Northgate Blvd Off to SB On	Mainline	4,096	4,058	-38.0	-0.9%	0.6	+/- 400 vph	Yes	< 5	Yes
<b>Total</b>		<b>223,445</b>	<b>221,817</b>	<b>-1,628.6</b>	<b>-0.7%</b>	<b>3.5</b>	<b>+/- 5%</b>	<b>Yes</b>	<b>&lt;4</b>	<b>Yes</b>

All Link Flows			
Link Flow Criteria		Link GEH Criteria	
Measure	% Cases	Measure	% Cases
> 85%	100%	> 85%	100%



VISSIM Post-Processor  
Average Results from 10 Runs  
Travel Time

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period

Location	Time	Travel Time (min)		Difference	
		Measured	Modeled	Minutes	Percent
I-80 Eastbound: Kidwell Rd Off-ramp to US 50	6:00 AM	11.0	12.6	-1.63	-14.8%
	7:00 AM	12.3	13.1	-0.89	-7.2%
	8:00 AM	11.7	13.1	-1.37	-11.7%
	9:00 AM	11.4	12.7	-1.21	-10.6%
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	6:00 AM	4.7	5.2	-0.51	-10.8%
	7:00 AM	6.7	7.3	-0.54	-8.1%
	8:00 AM	7.3	7.5	-0.24	-3.4%
	9:00 AM	5.1	5.4	-0.29	-5.7%
I-80 Eastbound: US 50 to Truxel Rd Off-ramp	6:00 AM	5.3	4.9	0.44	8.3%
	7:00 AM	5.5	5.0	0.49	8.9%
	8:00 AM	5.4	5.0	0.45	8.2%
	9:00 AM	5.4	5.0	0.32	5.9%





VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,058	55	99.5%	76	14	103.8%				62.3	0.2	17.0	0.5	B
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,126	47	99.4%							62.3	0.2	19.6	0.5	B
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,109	49	98.8%							62.5	0.2	14.7	0.5	B
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,108	56	98.8%				21	9	92.2%	63.0	0.2	9.5	0.5	A
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,079	50	98.6%							63.0	0.1	14.5	0.5	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,061	61	98.0%	36	10	99.4%	460	43	99.8%	63.3	0.2	11.9	0.4	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,619	52	97.1%							63.4	0.2	12.4	0.3	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,610	53	96.7%				129	22	94.7%	63.4	0.2	11.4	0.5	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,476	54	96.6%							63.5	0.1	11.8	0.4	B
10 I-80 EB: SR 113 On-ramp	Basic	2,462	50	96.1%	405	36	100.0%				63.7	0.1	10.2	0.3	B
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	2,861	60	96.4%							63.7	0.1	11.0	0.4	B
12 I-80 EB: Old Davis Rd On-ramp	Merge	2,857	72	96.3%	229	32	98.9%				63.6	0.1	6.4	0.2	A
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,078	63	96.3%							63.3	0.2	11.9	0.3	B
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,076	57	96.2%							62.5	0.2	15.1	0.4	B
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,068	41	95.9%							62.3	0.2	20.2	0.6	C
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,065	41	95.8%				159	20	94.0%	62.3	0.7	21.6	0.6	C
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	2,898	45	95.7%							62.7	0.2	18.9	0.6	B
18 I-80 EB: Richards Blvd On-ramp	Merge	2,890	46	95.4%	126	23	95.2%				62.6	0.2	17.5	0.4	B
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,009	43	95.2%							62.2	0.1	19.9	0.5	B
20 I-80 EB: Mace Blvd Off-ramp	Diverge	2,974	41	94.1%				153	26	92.8%	62.2	0.3	13.3	0.5	B
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	2,814	43	93.9%							61.1	0.5	19.3	0.7	B
22 I-80 EB: Mace Blvd SB On-ramp	Merge	2,809	40	93.8%	331	37	97.3%				59.4	1.9	18.5	1.0	B
23 I-80 EB: Mace Blvd NB On-ramp	Merge	3,131	41	93.9%	233	25	101.6%				61.2	0.5	20.3	0.7	C
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	3,354	41	94.1%							61.9	0.3	22.8	0.8	C
25 I-80 EB: Chiles Rd Off-ramp	Diverge	3,286	44	92.2%				8	6	96.3%	61.8	0.4	22.3	0.9	C
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	3,268	51	91.9%							61.7	0.5	22.7	1.0	C
27 I-80 EB: Chiles Rd On-ramp	Merge	3,258	54	91.6%	62	14	96.7%				60.9	0.7	21.0	0.9	C
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	3,310	44	91.4%							61.4	0.5	23.6	0.9	C
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	3,225	56	89.1%				97	19	88.5%	59.4	2.0	26.6	1.3	C
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	3,115	67	88.7%							59.4	1.0	23.6	1.1	C
31 I-80 EB: Enterprise Blvd to US 50	Weave	3,105	81	88.4%	400	40	98.7%	1,074	70	89.5%	62.3	0.2	12.5	0.4	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,417	59	89.0%							62.4	0.3	12.7	0.6	B
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,402	48	88.4%							62.2	0.4	16.9	0.9	B
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,398	58	88.3%	770	49	99.2%	577	48	91.8%	62.3	0.5	13.9	0.7	B
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	2,583	63	90.2%							63.2	0.2	13.6	0.6	B
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	2,578	60	90.0%	687	56	98.9%	291	33	92.0%	61.1	0.5	14.2	0.7	B
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	2,951	53	91.0%							61.9	0.3	20.4	0.9	C
38 US 50 EB: Jefferson Blvd On-ramp	Basic	2,931	45	90.4%	954	59	97.1%				60.2	0.2	20.5	0.6	C
39 US 50 EB: S River Rd On-ramp	Merge	3,882	57	91.9%	535	45	101.2%				59.9	0.2	18.0	0.6	B
40 US 50 EB: I-5 Off-ramp	Diverge	4,411	63	92.8%				712	45	91.9%	61.8	1.1	19.1	0.6	B
41 US 50 EB: 5th St Off-ramp	Diverge	3,693	56	92.8%				193	29	93.0%	60.2	1.8	13.5	0.7	B
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,493	49	92.6%							60.6	0.5	18.3	0.6	B
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,490	50	92.5%							59.1	2.4	25.0	1.6	C
44 US 50 EB: I-5 to 15th St	Weave	3,480	141	92.3%	3,627	105	100.0%	317	37	91.4%	53.2	2.2	28.3	1.4	D
45 US 50 EB: 15th St to 11th St	Basic	6,744	109	95.6%							57.1	1.8	29.3	1.3	D
46 US 50 EB: 11th St On-Ramp	Merge	6,731	104	95.4%	291	42	98.5%				56.8	2.1	31.8	2.3	D
47 US 50 EB: 16th St to SR 51/SR 99	Weave	7,007	92	95.3%	238	27	99.1%	2,372	69	95.7%	61.2	0.4	23.8	0.4	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,280	44	99.1%	205	32	97.3%				60.7	0.8	23.2	0.6	C
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,482	46	98.9%							60.9	0.5	26.5	0.7	C
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,479	52	98.9%							61.5	0.4	19.6	0.5	B
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,478	59	98.8%				25	9	93.7%	62.5	0.2	13.4	0.6	B
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,450	62	98.8%							62.5	0.2	19.2	0.4	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,441	68	98.6%	50	15	98.4%	995	60	98.4%	62.9	0.2	15.5	0.3	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,494	60	98.6%							63.1	0.3	14.8	0.4	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,495	60	98.6%				332	40	94.1%	63.1	0.2	14.7	0.6	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,164	57	99.1%							63.4	0.1	13.3	0.3	B
10 I-80 EB: SR 113 On-ramp	Basic	3,162	54	99.1%	883	57	100.5%				63.5	0.2	12.6	0.3	B
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	4,044	69	99.4%							63.5	0.2	13.7	0.3	B
12 I-80 EB: Old Davis Rd On-ramp	Merge	4,043	76	99.3%	361	44	99.0%				63.4	0.2	9.3	0.2	A
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,403	60	99.3%							62.5	0.4	15.1	0.3	B
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,404	61	99.3%							60.9	0.7	19.3	0.4	B
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,400	50	99.2%							60.5	0.7	25.8	0.6	C
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,401	51	99.2%				388	43	99.8%	60.4	1.6	27.3	0.8	C
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	4,013	53	99.2%							61.8	0.4	23.0	0.5	C
18 I-80 EB: Richards Blvd On-ramp	Merge	4,012	45	99.2%	239	34	98.6%				61.5	0.5	21.4	0.6	C
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,251	54	99.1%							57.5	6.0	26.0	4.3	C
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,250	57	99.1%				306	40	97.4%	45.0	13.9	24.2	9.0	C
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,942	62	99.2%							34.4	16.0	46.0	17.2	F
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,939	87	99.1%	680	46	100.0%				33.7	9.2	49.4	12.6	F
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,616	73	99.2%	407	44	100.4%				57.3	1.5	26.5	0.8	C
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	5,019	76	99.2%							61.2	0.3	28.2	0.5	D
25 I-80 EB: Chiles Rd Off-ramp	Diverge	5,005	68	98.9%				7	5	101.4%	61.1	0.4	27.6	1.4	C
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	4,996	64	98.9%							60.9	0.5	28.3	1.2	D
27 I-80 EB: Chiles Rd On-ramp	Merge	4,997	59	98.9%	294	34	98.4%				55.2	2.6	30.0	2.3	D
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	5,285	53	98.8%							60.0	0.4	30.8	0.8	D
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,238	60	97.9%				276	33	91.3%	53.0	5.4	37.9	4.8	E
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,956	59	98.2%							56.4	1.7	30.9	1.6	D
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,953	86	98.1%	479	38	97.0%	1,688	97	96.1%	61.7	0.2	15.9	0.3	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,746	58	98.9%							57.4	11.3	18.1	6.9	B
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,731	120	98.5%							48.5	15.2	31.6	20.4	D
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,718	201	98.2%	1,671	88	99.9%	828	59	99.2%	30.4	17.5	48.7	22.3	F
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,508	103	97.5%							26.7	18.7	55.0	19.5	F
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,466	149	96.5%	936	47	100.3%	833	77	87.4%	29.3	5.9	40.1	5.6	E
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	4,465	91	96.9%							28.7	3.7	53.3	3.2	F
38 US 50 EB: Jefferson Blvd On-ramp	Basic	4,408	114	95.7%	1,632	45	95.0%				26.1	3.6	59.7	4.8	F
39 US 50 EB: S River Rd On-ramp	Merge	6,010	204	95.0%	1,179	68	98.1%				27.7	3.3	71.6	11.0	F
40 US 50 EB: I-5 Off-ramp	Diverge	7,140	118	94.9%				1,213	77	91.5%	29.9	3.2	48.8	3.8	F
41 US 50 EB: 5th St Off-ramp	Diverge	5,879	90	94.8%				671	48	92.0%	31.4	2.6	32.5	1.9	D
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	5,184	65	94.8%							28.3	4.0	45.9	5.1	F
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	5,168	65	94.5%							30.7	2.2	55.7	3.4	F
44 US 50 EB: I-5 to 15th St	Weave	5,143	391	94.0%	3,936	154	100.5%	435	43	91.6%	41.0	2.8	37.7	2.1	E
45 US 50 EB: 15th St to 11th St	Basic	8,645	158	97.0%							46.0	3.7	37.3	2.3	E
46 US 50 EB: 11th St On-Ramp	Merge	8,627	177	96.8%	560	38	97.8%				47.6	3.8	44.6	4.7	F
47 US 50 EB: 16th St to SR 51/SR 99	Weave	9,181	159	96.8%	481	37	97.2%	3,260	122	95.7%	60.8	0.4	25.7	1.0	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,307	53	103.9%	186	24	99.8%				60.4	0.5	24.1	0.9	C
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,493	54	103.7%							60.7	0.3	27.7	1.0	C
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,495	53	103.8%							61.5	0.2	20.4	0.8	C
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,496	63	103.8%				19	9	96.0%	62.5	0.1	13.8	0.7	B
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,478	61	103.9%							62.5	0.1	19.8	0.7	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,485	74	104.0%	34	11	102.7%	1,005	59	99.0%	62.8	0.2	15.9	0.7	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,513	61	105.6%							63.1	0.2	15.3	0.8	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,516	66	105.6%				345	40	101.5%	62.9	0.4	14.9	0.9	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,169	62	106.1%							63.3	0.1	13.6	0.7	B
10 I-80 EB: SR 113 On-ramp	Basic	3,174	70	106.2%	782	63	99.8%				63.4	0.1	12.5	0.5	B
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,956	85	104.9%							63.4	0.1	13.5	0.6	B
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,958	100	104.9%	416	29	99.7%				63.3	0.1	9.1	0.4	A
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,375	75	104.4%							62.6	0.3	15.1	0.6	B
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,376	74	104.5%							61.1	0.4	19.3	0.7	B
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,381	71	104.6%							57.7	9.3	26.6	7.0	C
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,380	88	104.6%				610	51	103.0%	53.9	11.8	32.1	13.7	D
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,772	98	104.9%							61.6	1.1	21.7	1.0	C
18 I-80 EB: Richards Blvd On-ramp	Merge	3,775	65	105.0%	275	26	100.3%				61.6	0.3	20.0	1.0	C
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,047	62	104.6%							61.1	0.5	23.4	1.0	C
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,057	50	104.8%				375	44	98.1%	59.2	4.7	15.7	1.8	B
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,686	47	105.6%							55.2	7.8	23.6	5.0	C
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,688	59	105.7%	638	55	101.1%				46.2	9.3	30.1	8.6	D
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,330	59	105.1%	416	42	99.9%				57.6	1.7	25.6	0.7	C
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	4,747	57	104.6%							61.2	0.3	27.2	0.6	C
25 I-80 EB: Chiles Rd Off-ramp	Diverge	4,771	59	105.1%				9	6	94.0%	61.0	0.3	26.9	1.0	C
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	4,761	67	105.2%							60.7	0.5	27.5	1.3	C
27 I-80 EB: Chiles Rd On-ramp	Merge	4,761	62	105.2%	256	32	102.0%				56.4	2.1	27.9	1.8	C
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	5,022	59	105.1%							57.7	5.3	31.9	5.7	D
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,071	106	106.1%				375	41	101.2%	44.9	12.6	49.2	16.3	F
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,694	95	106.5%							54.5	3.1	29.7	1.9	D
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,695	103	106.5%	527	49	99.9%	1,854	80	101.7%	61.3	0.4	14.8	0.5	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,371	69	108.3%							56.8	10.7	16.0	5.0	B
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,385	184	108.7%							52.2	13.6	24.1	9.6	C
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,399	257	109.2%	1,520	111	101.5%	866	73	104.1%	40.4	18.7	35.1	21.2	E
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,105	101	108.6%							30.8	17.3	43.7	17.3	F
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,143	127	109.6%	955	54	100.1%	1,243	84	100.0%	32.8	9.9	37.0	8.8	E
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,954	94	113.3%							29.2	4.0	51.8	5.0	F
38 US 50 EB: Jefferson Blvd On-ramp	Basic	4,021	130	115.2%	1,618	49	92.3%				25.2	2.3	60.8	3.7	F
39 US 50 EB: S River Rd On-ramp	Merge	5,667	277	108.1%	922	64	100.1%				28.9	4.2	72.7	10.3	F
40 US 50 EB: I-5 Off-ramp	Diverge	6,636	159	107.7%				1,402	89	102.3%	26.1	4.9	55.4	7.3	F
41 US 50 EB: 5th St Off-ramp	Diverge	5,277	120	110.1%				785	67	95.6%	28.1	3.8	33.3	2.8	D
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	4,510	97	113.5%							23.4	1.5	51.6	2.4	F
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	4,521	92	113.8%							27.2	1.0	58.7	1.0	F
44 US 50 EB: I-5 to 15th St	Weave	4,538	582	114.2%	3,479	167	103.7%	585	39	100.4%	39.6	5.0	35.2	3.4	E
45 US 50 EB: 15th St to 11th St	Basic	7,439	173	110.3%							46.3	5.2	33.5	2.8	D
46 US 50 EB: 11th St On-Ramp	Merge	7,461	171	110.6%	602	48	101.0%				49.1	5.0	42.4	6.2	E
47 US 50 EB: 16th St to SR 51/SR 99	Weave	8,070	171	109.9%	482	41	101.4%	3,661	149	106.7%	61.0	0.3	22.8	0.9	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,376	46	96.4%	98	18	101.6%				62.4	0.2	16.4	0.6	B
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,474	49	96.6%							62.4	0.2	19.0	0.7	B
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,474	55	96.6%							62.6	0.2	14.2	0.5	B
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,474	63	96.6%				20	9	113.3%	63.0	0.2	9.2	0.4	A
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,455	56	96.5%							63.1	0.2	14.0	0.5	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,462	57	96.7%	23	8	93.2%	631	51	103.9%	63.4	0.1	11.5	0.4	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,861	54	95.4%							63.5	0.2	11.5	0.5	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,863	57	95.5%				200	34	102.5%	63.4	0.2	10.5	0.8	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,663	50	95.0%							63.5	0.1	10.6	0.4	B
10 I-80 EB: SR 113 On-ramp	Basic	2,661	64	94.9%	474	38	100.1%				63.7	0.1	9.3	0.3	A
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,138	71	95.8%							63.7	0.1	10.0	0.3	B
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,138	82	95.7%	289	38	100.8%				63.6	0.1	6.0	0.3	A
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,428	62	96.2%							63.3	0.1	10.9	0.4	B
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,428	60	96.2%							62.6	0.3	13.8	0.6	B
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,430	56	96.2%							62.3	0.4	18.5	0.8	B
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,430	54	96.2%				509	45	102.0%	62.4	0.3	20.2	0.7	C
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	2,922	51	95.3%							63.2	0.2	15.6	0.5	B
18 I-80 EB: Richards Blvd On-ramp	Merge	2,924	53	95.4%	251	25	98.4%				62.8	0.4	15.3	0.4	B
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,176	51	95.7%							62.6	0.3	17.4	0.3	B
20 I-80 EB: Mace Blvd Off-ramp	Diverge	3,186	52	96.0%				285	31	100.7%	62.2	0.8	11.7	0.4	B
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	2,905	48	95.6%							61.9	0.6	16.1	0.4	B
22 I-80 EB: Mace Blvd SB On-ramp	Merge	2,905	46	95.7%	420	46	101.4%				60.6	0.6	15.8	0.5	B
23 I-80 EB: Mace Blvd NB On-ramp	Merge	3,328	49	96.4%	307	32	104.6%				61.8	0.6	18.2	0.6	B
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	3,639	53	97.2%							62.4	0.2	20.5	0.5	C
25 I-80 EB: Chiles Rd Off-ramp	Diverge	3,652	47	97.5%				11	7	100.9%	62.0	0.3	20.2	0.5	C
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	3,646	49	97.6%							62.0	0.2	20.7	0.7	C
27 I-80 EB: Chiles Rd On-ramp	Merge	3,650	48	97.7%	121	22	101.5%				61.0	0.7	19.3	0.8	B
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	3,776	49	98.0%							61.7	0.3	21.9	0.8	C
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	3,804	52	98.7%				242	26	103.9%	57.8	3.7	26.5	2.5	C
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	3,573	57	98.7%							59.4	1.4	21.5	1.2	C
31 I-80 EB: Enterprise Blvd to US 50	Weave	3,583	71	99.0%	486	46	101.2%	1,439	73	103.7%	61.6	0.9	11.9	0.5	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,640	54	97.3%							62.3	0.3	11.6	0.6	B
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,647	50	97.6%							61.8	0.4	15.6	0.8	B
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,648	70	97.6%	932	51	101.9%	582	43	103.1%	62.4	0.3	13.2	0.5	B
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	3,006	60	98.2%							62.9	0.3	13.4	0.6	B
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	3,010	72	98.3%	838	54	101.5%	624	47	116.9%	62.2	0.3	13.8	0.5	B
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,239	47	96.6%							62.5	0.3	17.9	0.6	B
38 US 50 EB: Jefferson Blvd On-ramp	Basic	3,242	49	96.6%	1,245	110	113.1%				58.8	0.7	21.2	0.8	C
39 US 50 EB: S River Rd On-ramp	Merge	4,491	88	100.8%	520	45	100.9%				59.4	0.6	21.4	0.8	C
40 US 50 EB: I-5 Off-ramp	Diverge	5,019	94	101.0%				1,079	79	102.3%	60.8	1.8	23.8	1.4	C
41 US 50 EB: 5th St Off-ramp	Diverge	3,948	80	100.8%				394	38	113.9%	58.1	4.8	16.3	2.1	B
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,565	62	99.9%							55.6	10.2	18.7	5.7	B
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,570	68	100.0%							50.8	10.3	27.6	8.5	C
44 US 50 EB: I-5 to 15th St	Weave	3,585	160	100.4%	3,291	122	96.7%	559	49	100.1%	46.1	5.9	28.5	4.3	D
45 US 50 EB: 15th St to 11th St	Basic	6,367	137	99.2%							51.5	5.6	27.6	3.2	C
46 US 50 EB: 11th St On-Ramp	Merge	6,378	148	99.4%	479	42	100.2%				53.1	4.9	37.0	6.0	E
47 US 50 EB: 16th St to SR 51/SR 99	Weave	6,873	154	99.7%	442	44	100.0%	3,350	144	99.5%	61.6	0.3	20.0	0.5	B

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
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VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vp/ln)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	1,074	28	89.5%							63.3	0.2	10.9	0.6	A
62 I-80 EB: US 50 On-ramp	Basic	1,068	25	89.1%	1,064	73	100.0%				61.9	0.5	15.6	0.9	B
63 I-80 EB: US 50 to Reed Ave	Basic	2,128	46	94.0%							62.8	0.4	15.3	0.9	B
64 I-80 EB: Reed Ave Off-ramp	Diverge	2,125	50	93.9%				706	46	97.9%	62.2	0.5	16.3	0.9	B
65 I-80 EB: Reed Ave Off to On-ramp	Basic	1,417	39	91.9%							63.5	0.2	10.0	0.6	A
66 I-80 EB: Reed Ave On-ramp	Merge	1,413	37	91.6%	301	36	97.3%				60.5	0.2	11.5	0.4	B
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	1,712	38	92.5%							62.9	0.1	12.2	0.5	B
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	1,702	44	92.0%							63.2	0.2	12.0	0.5	B
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	1,701	44	91.9%				184	26	92.8%	63.3	0.1	11.9	0.6	B
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	1,514	40	91.6%							63.6	0.2	10.4	0.4	A
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	1,509	42	91.3%	344	37	99.5%				60.3	0.4	10.2	0.3	A
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	1,852	47	92.6%	175	25	98.0%				62.0	0.3	10.4	0.4	A
73 I-80 EB: W El Camino Ave to I-5	Basic	2,023	48	92.9%							63.2	0.2	10.7	0.3	A
74 I-80 EB: I-5 Off-ramp	Basic	2,023	48	92.9%				503	49	93.9%	62.5	0.5	10.8	0.4	A
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	1,511	40	92.1%							62.6	0.3	10.4	0.3	A
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	1,503	36	91.6%							62.8	0.3	15.1	0.5	B
77 I-80 EB: I-5 SB On-ramp	Merge	1,502	33	91.5%	541	36	99.8%				60.8	1.0	17.9	0.7	B
78 I-80 EB: I-5 to Truxel Rd	Weave	2,038	55	93.4%	1,604	79	99.0%	702	40	96.4%	62.4	0.3	19.6	0.5	C
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	2,933	53	95.4%							61.9	0.3	20.9	0.5	C
80 I-80 EB: Truxel Rd SB On-ramp	Basic	2,930	57	95.2%	237	31	100.4%				62.4	0.2	15.9	0.4	B
81 I-80 EB: Truxel Rd NB On-ramp	Merge	3,160	60	95.4%	354	33	102.4%				63.0	0.1	15.3	0.4	B
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	3,508	63	95.9%							63.0	0.1	18.4	0.4	C
83 I-80 EB: Northgate Blvd Off-ramp	Basic	3,499	66	95.7%				653	49	97.1%	61.6	0.8	18.2	0.5	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.



VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	1,687	34	96.1%							62.7	0.4	14.0	1.0	B
62 I-80 EB: US 50 On-ramp	Basic	1,683	34	95.9%	1,414	79	100.6%				61.3	0.3	18.5	0.7	C
63 I-80 EB: US 50 to Reed Ave	Basic	3,093	55	97.8%							62.3	0.1	18.2	0.7	C
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,090	53	97.7%				899	63	101.1%	61.2	1.1	19.5	0.8	C
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,185	55	96.1%							62.8	0.3	12.6	0.7	B
66 I-80 EB: Reed Ave On-ramp	Merge	2,183	50	96.1%	512	44	99.0%				58.9	1.0	15.2	0.7	B
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,690	51	96.4%							62.1	0.3	16.0	0.5	B
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,679	47	96.1%							62.7	0.2	15.8	0.5	B
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,679	48	96.0%				385	35	90.6%	62.6	0.2	15.6	0.8	B
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,289	44	96.8%							63.2	0.2	13.1	0.5	B
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	2,290	49	96.9%	603	55	99.5%				59.1	0.5	13.4	0.6	B
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,889	62	97.3%	530	38	98.1%				60.3	0.3	16.3	0.7	B
73 I-80 EB: W El Camino Ave to I-5	Basic	3,416	70	97.3%							62.5	0.2	15.5	0.5	B
74 I-80 EB: I-5 Off-ramp	Basic	3,416	72	97.3%				790	81	94.6%	61.5	0.6	15.7	0.5	B
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,618	58	97.9%							60.6	0.8	15.6	0.5	B
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,614	48	97.7%							60.4	1.2	22.8	0.7	C
77 I-80 EB: I-5 SB On-ramp	Merge	2,605	49	97.4%	1,043	64	98.7%				51.6	4.6	31.6	3.4	D
78 I-80 EB: I-5 to Truxel Rd	Weave	3,635	71	97.4%	2,695	135	98.3%	1,342	81	96.9%	57.6	2.5	30.6	2.0	D
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	4,976	72	97.8%							57.8	1.4	31.0	1.2	D
80 I-80 EB: Truxel Rd SB On-ramp	Basic	4,970	74	97.7%	649	38	97.4%				60.5	0.4	23.9	0.4	C
81 I-80 EB: Truxel Rd NB On-ramp	Merge	5,614	82	97.5%	599	47	98.8%				61.5	0.2	24.0	0.4	C
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,203	82	97.5%							61.5	0.1	27.5	0.4	D
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,193	82	97.3%				901	53	97.5%	55.2	2.5	30.4	1.9	D

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	1,854	33	101.8%							62.2	0.3	15.7	0.7	B
62 I-80 EB: US 50 On-ramp	Basic	1,852	32	101.7%	1,203	52	100.6%				61.6	0.3	17.5	0.5	B
63 I-80 EB: US 50 to Reed Ave	Basic	3,063	43	101.5%							62.3	0.3	17.3	0.5	B
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,068	41	101.7%				743	44	105.1%	61.0	1.5	18.3	0.8	C
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,328	40	100.8%							63.1	0.2	12.7	0.4	B
66 I-80 EB: Reed Ave On-ramp	Merge	2,331	40	100.9%	534	40	99.1%				59.0	0.5	15.1	0.6	B
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,866	52	100.6%							62.2	0.3	16.0	0.5	B
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,870	47	100.7%							62.5	0.3	15.8	0.5	B
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,870	50	100.7%				515	44	99.7%	62.1	0.7	15.9	0.7	B
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,357	41	101.0%							63.1	0.2	12.7	0.3	B
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	2,358	43	101.1%	481	54	100.9%				59.3	0.5	12.5	0.5	B
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,843	54	101.2%	342	39	99.4%				60.8	0.3	14.5	0.5	B
73 I-80 EB: W El Camino Ave to I-5	Basic	3,186	59	101.0%							62.5	0.3	13.7	0.4	B
74 I-80 EB: I-5 Off-ramp	Basic	3,186	59	101.0%				966	62	102.1%	61.1	0.8	14.0	0.4	B
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,232	49	101.1%							61.6	0.4	12.6	0.3	B
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,239	41	101.4%							60.2	3.0	19.3	1.0	C
77 I-80 EB: I-5 SB On-ramp	Merge	2,248	37	101.8%	961	55	100.0%				51.5	8.5	28.7	6.9	D
78 I-80 EB: I-5 to Truxel Rd	Weave	3,221	60	101.6%	2,062	90	100.5%	1,375	60	101.2%	60.6	0.8	23.8	0.6	C
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	3,925	59	101.6%							60.9	0.5	23.3	0.5	C
80 I-80 EB: Truxel Rd SB On-ramp	Basic	3,932	51	101.8%	708	44	103.0%				61.3	0.2	19.6	0.3	C
81 I-80 EB: Truxel Rd NB On-ramp	Merge	4,649	71	102.2%	485	37	101.7%				62.4	0.2	19.4	0.5	C
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	5,150	78	102.4%							62.4	0.2	22.7	0.4	C
83 I-80 EB: Northgate Blvd Off-ramp	Basic	5,164	72	102.7%				811	65	100.6%	57.4	3.3	24.4	1.8	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	1,439	27	103.7%							62.9	0.7	12.1	0.6	B
62 I-80 EB: US 50 On-ramp	Basic	1,443	24	103.9%	801	64	99.5%				62.9	0.3	12.7	0.5	B
63 I-80 EB: US 50 to Reed Ave	Basic	2,244	36	102.3%							63.3	0.3	12.6	0.5	B
64 I-80 EB: Reed Ave Off-ramp	Diverge	2,246	43	102.4%				479	45	101.1%	63.0	0.3	12.9	0.5	B
65 I-80 EB: Reed Ave Off to On-ramp	Basic	1,770	39	103.0%							63.4	0.3	9.9	0.4	A
66 I-80 EB: Reed Ave On-ramp	Merge	1,769	40	102.9%	551	44	97.8%				59.4	0.8	12.5	0.6	B
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,320	47	101.6%							62.6	0.3	13.1	0.6	B
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,326	46	101.9%							63.0	0.2	13.1	0.5	B
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,327	48	102.0%				361	38	105.4%	62.9	0.4	13.1	0.6	B
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	1,969	45	101.5%							63.4	0.3	10.8	0.5	A
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	1,966	41	101.4%	306	33	100.8%				61.8	0.5	9.6	0.5	A
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,273	51	101.4%	221	35	102.1%				62.9	0.3	9.8	0.6	A
73 I-80 EB: W El Camino Ave to I-5	Basic	2,495	54	101.5%							63.2	0.3	10.3	0.5	A
74 I-80 EB: I-5 Off-ramp	Basic	2,496	56	101.6%				592	38	106.8%	62.6	0.7	10.4	0.5	A
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	1,905	44	100.0%							62.7	0.3	9.9	0.6	A
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	1,907	38	100.1%							62.8	0.3	14.5	0.7	B
77 I-80 EB: I-5 SB On-ramp	Merge	1,908	37	100.2%	820	57	102.9%				59.7	1.4	18.4	1.0	C
78 I-80 EB: I-5 to Truxel Rd	Weave	2,727	64	101.0%	1,823	99	99.2%	929	56	100.0%	62.2	0.3	18.3	0.6	C
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	3,621	57	100.3%							62.3	0.3	18.7	0.7	C
80 I-80 EB: Truxel Rd SB On-ramp	Basic	3,620	66	100.3%	486	40	101.1%				62.1	0.3	15.3	0.6	B
81 I-80 EB: Truxel Rd NB On-ramp	Merge	4,106	69	100.4%	305	34	100.7%				63.1	0.2	13.9	0.9	B
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	4,409	73	100.3%							63.1	0.2	17.2	0.8	B
83 I-80 EB: Northgate Blvd Off-ramp	Basic	4,405	73	100.3%				665	50	101.3%	62.3	0.5	17.0	0.8	B

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

Vissim Post-Processor  
Average Results from 10 Runs  
Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)					Worst Mvmt.
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS	
4 Richards Blvd/I-80 EB Ramps	Signal	649	643	99.1%	19	623	691	0.2	18.3	2.7	15.4	23.9	B	
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	528	514	97.4%	23	479	563	0.6	18.7	2.6	13.9	22.8	B	
6 Enterprise Blvd/Lake Rd	Signal	1,255	1,262	100.5%	41	1,201	1,339	0.2	8.4	1.7	6.4	11.2	A	
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,298	1,298	100.0%	36	1,235	1,344	0.0	11.3	2.6	9.0	18.4	B	
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,267	1,273	100.4%	28	1,239	1,317	0.2	13.1	1.5	11.0	16.0	B	

Network Summary

Total Demand Volume (veh/hr)	4,997
Total Volume Served (veh/hr)	4,990
Percent Served	99.9%
GEH Statistic	0.1

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	236	238	101.0%	3.7	0.7	A
	Right Turn	37	45	122.2%	2.8	1.0	A
	Subtotal	273	284	103.9%	3.5	0.7	A
SB	Left Turn	83	80	96.9%	58.4	3.7	E
	Through	104	121	116.5%	2.5	1.0	A
	Right Turn						
	Subtotal	187	202	107.8%	26.2	3.4	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	116	96	82.8%	53.1	6.1	D
	Through						
	Right Turn	73	62	84.8%	5.9	0.8	A
	Subtotal	189	158	83.6%	34.6	5.7	C
Total		649	643	99.1%	18.3	2.7	B

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	25	30	119.6%	59.6	10.7	E
	Through	1	0	20.0%	0.0	0.0	A
	Right Turn	5	2	48.0%	3.6	3.6	A
	Subtotal	31	33	104.8%	54.5	9.9	D
SB	Left Turn	6	4	73.3%	32.5	34.8	C
	Through	7	7	95.7%	40.6	11.8	D
	Right Turn	44	44	100.5%	9.7	4.4	A
	Subtotal	57	55	97.0%	17.2	7.8	B
EB	Left Turn	59	55	92.9%	49.3	5.5	D
	Through	121	123	101.7%	9.1	2.4	A
	Right Turn	42	38	90.2%	3.7	1.8	A
	Subtotal	222	216	97.2%	18.0	3.3	B
WB	Left Turn	10	10	100.0%	59.9	17.2	E
	Through	199	193	97.1%	12.3	3.3	B
	Right Turn	9	8	83.3%	2.2	2.0	A
	Subtotal	218	211	96.7%	14.9	3.8	B
Total		528	514	97.4%	19.1	2.6	B

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	38	39	102.1%	18.0	5.2	B
	Through	451	463	102.5%	7.3	1.2	A
	Right Turn	1	1	120.0%	6.9	3.0	A
	Subtotal	490	503	102.6%	8.2	1.5	A
SB	Left Turn	5	5	92.0%	4.6	7.5	A
	Through	555	552	99.4%	7.5	2.6	A
	Right Turn	95	99	104.1%	4.1	1.8	A
	Subtotal	655	655	100.0%	6.9	2.4	A
EB	Left Turn	101	94	93.3%	17.8	2.2	B
	Through						
	Right Turn	3	4	126.7%	6.3	4.7	A
	Subtotal	104	98	94.2%	17.5	2.2	B
WB	Left Turn	1	1	130.0%	7.7	17.1	A
	Through	1	1	100.0%	3.8	12.1	A
	Right Turn	4	4	95.0%	6.6	4.6	A
	Subtotal	6	6	101.7%	9.7	7.5	A
Total		1,255	1,262	100.5%	8.4	1.7	A

Intersection 7 Enterprise Blvd/I-80 EB Ramps Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	338	339	100.4%	14.9	2.6	B
	Through	218	220	100.8%	2.7	1.3	A
	Right Turn						
	Subtotal	556	559	100.5%	10.2	2.1	B
SB	Left Turn						
	Through	565	578	102.3%	13.3	4.3	B
	Right Turn	67	64	95.7%	7.4	1.1	A
	Subtotal	632	642	101.6%	12.6	3.8	B
EB	Left Turn	20	18	89.5%	20.0	8.9	B
	Through						
	Right Turn	90	79	87.7%	8.7	1.8	A
	Subtotal	110	97	88.0%	10.6	2.0	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,298	1,298	100.0%	11.3	2.7	B

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

Intersection 8                      Driveway-I-80 WB Ramps/W Capitol Ave                      Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	702	711	101.3%	13.8	1.6	B
	Through	32	33	102.2%	13.6	4.3	B
	Right Turn	30	30	99.0%	3.0	1.8	A
	Subtotal	764	774	101.3%	13.3	1.5	B
SB	Left Turn	4	4	110.0%	18.0	13.9	B
	Through						
	Right Turn	17	19	111.2%	8.3	1.3	A
	Subtotal	21	23	111.0%	11.4	3.7	B
EB	Left Turn	28	22	79.6%	22.1	6.4	C
	Through	59	59	100.7%	14.9	4.2	B
	Right Turn	141	141	100.2%	1.6	0.4	A
	Subtotal	228	223	97.8%	6.5	1.6	A
WB	Left Turn						
	Through	250	248	99.2%	18.3	2.4	B
	Right Turn	4	4	107.5%	9.7	10.1	A
	Subtotal	254	252	99.4%	18.2	2.4	B
Total		1,267	1,273	100.4%	13.1	1.5	B

Vissim Post-Processor  
Average Results from 10 Runs  
Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
7 to 8 AM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	1,282	1,354	105.6%	39	1,275	1,416	2.0	23.3	2.3	20.0	26.6	C
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,041	1,061	101.9%	30	1,013	1,104	0.6	22.9	3.2	15.4	26.5	C
6 Enterprise Blvd/Lake Rd	Signal	1,652	1,628	98.6%	32	1,573	1,679	0.6	12.1	2.0	10.5	16.6	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,757	1,724	98.1%	40	1,671	1,785	0.8	14.8	2.5	11.6	20.2	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	2,062	2,016	97.7%	37	1,956	2,054	1.0	18.4	2.0	15.5	21.2	B

Network Summary

Total Demand Volume (veh/hr)	7,794
Total Volume Served (veh/hr)	7,783
Percent Served	99.9%
GEH Statistic	0.1

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.



Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
7 to 8 AM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	465	512	110.1%	15.4	4.0	B
	Right Turn	74	78	105.0%	9.2	5.0	A
	Subtotal	539	590	109.4%	14.6	3.9	B
SB	Left Turn	164	161	98.2%	57.9	5.5	E
	Through	206	218	105.7%	5.7	2.0	A
	Right Turn						
	Subtotal	370	379	102.4%	28.9	3.8	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	229	225	98.3%	46.5	4.9	D
	Through						
	Right Turn	144	161	111.5%	10.9	1.5	B
	Subtotal	373	386	103.4%	31.1	3.3	C
Total		1,282	1,354	105.6%	23.3	2.3	C

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	50	58	116.0%	52.1	8.9	D
	Through	2	1	55.0%	2.7	8.5	A
	Right Turn	10	6	55.0%	5.2	4.7	A
	Subtotal	62	65	104.2%	48.9	9.2	D
SB	Left Turn	11	10	92.7%	51.5	23.6	D
	Through	14	15	105.0%	41.1	12.6	D
	Right Turn	87	89	102.2%	12.9	4.3	B
	Subtotal	112	114	101.6%	21.7	7.8	C
EB	Left Turn	116	116	100.3%	47.5	5.6	D
	Through	238	241	101.1%	16.9	4.9	B
	Right Turn	83	82	99.3%	9.7	3.5	A
	Subtotal	437	439	100.5%	23.3	4.5	C
WB	Left Turn	19	20	104.2%	60.5	18.8	E
	Through	393	407	103.7%	17.6	4.3	B
	Right Turn	18	16	90.6%	3.9	1.8	A
	Subtotal	430	444	103.1%	18.9	4.4	B
Total		1,041	1,061	101.9%	23.1	3.2	C

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
7 to 8 AM

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	67	66	98.2%	25.5	5.6	C
	Through	681	679	99.7%	12.3	2.3	B
	Right Turn	1	1	130.0%	12.7	3.9	B
	Subtotal	749	746	99.6%	13.4	2.5	B
SB	Left Turn	10	9	89.0%	20.6	10.7	C
	Through	638	614	96.2%	9.3	2.0	A
	Right Turn	96	99	102.6%	5.4	1.1	A
	Subtotal	744	721	97.0%	9.0	1.8	A
EB	Left Turn	113	117	103.5%	22.8	2.7	C
	Through	3	4	126.7%	13.6	11.0	B
	Right Turn	30	28	94.3%	9.3	0.7	A
	Subtotal	146	149	102.1%	20.1	2.2	C
WB	Left Turn	5	5	100.0%	21.3	26.2	C
	Through	3	3	83.3%	13.4	15.7	B
	Right Turn	5	5	90.0%	8.9	6.7	A
	Subtotal	13	12	92.3%	18.5	12.7	B
<b>Total</b>		<b>1,652</b>	<b>1,628</b>	<b>98.6%</b>	<b>12.2</b>	<b>2.0</b>	<b>B</b>

**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	349	345	98.9%	20.6	3.5	C
	Through	450	454	100.8%	5.0	1.5	A
	Right Turn						
	Subtotal	799	799	100.0%	11.2	1.9	B
SB	Left Turn						
	Through	511	504	98.6%	18.8	5.6	B
	Right Turn	145	148	101.9%	14.2	3.5	B
	Subtotal	656	652	99.4%	17.7	4.8	B
EB	Left Turn	69	56	81.2%	27.8	4.5	C
	Through						
	Right Turn	233	218	93.4%	16.6	3.3	B
	Subtotal	302	274	90.6%	18.7	3.1	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
<b>Total</b>		<b>1,757</b>	<b>1,724</b>	<b>98.1%</b>	<b>14.8</b>	<b>2.5</b>	<b>B</b>

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
7 to 8 AM

Intersection 8                      Driveway-I-80 WB Ramps/W Capitol Ave                      Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	823	829	100.7%	20.4	3.0	C
	Through	52	51	97.3%	23.6	6.2	C
	Right Turn	49	48	98.6%	6.8	3.5	A
	Subtotal	924	928	100.4%	20.0	2.9	B
SB	Left Turn	6	8	126.7%	40.8	13.1	D
	Through						
	Right Turn	27	25	92.2%	13.2	4.3	B
	Subtotal	33	33	98.5%	20.1	6.0	C
EB	Left Turn	46	26	55.9%	30.4	8.9	C
	Through	97	94	96.9%	16.7	3.6	B
	Right Turn	362	352	97.2%	3.9	0.8	A
	Subtotal	505	472	93.4%	7.7	1.2	A
WB	Left Turn						
	Through	593	577	97.3%	25.3	2.9	C
	Right Turn	7	7	94.3%	14.9	11.9	B
	Subtotal	600	584	97.3%	25.2	2.8	C
Total		2,062	2,016	97.7%	18.5	2.0	B

Vissim Post-Processor  
Average Results from 10 Runs  
Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
8 to 9 AM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	1,925	1,949	101.2%	43	1,893	2,015	0.5	61.9	21.6	25.8	100.3	E
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,659	1,643	99.0%	40	1,555	1,683	0.4	31.9	3.4	27.4	38.6	C
6 Enterprise Blvd/Lake Rd	Signal	1,552	1,585	102.1%	29	1,549	1,637	0.8	10.1	1.6	7.9	12.2	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,682	1,714	101.9%	39	1,644	1,757	0.8	18.0	4.6	12.0	25.3	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,661	1,667	100.4%	28	1,624	1,718	0.2	15.3	1.8	12.6	19.0	B

Network Summary

Total Demand Volume (veh/hr)	8,479
Total Volume Served (veh/hr)	8,558
Percent Served	100.9%
GEH Statistic	0.9

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
8 to 9 AM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	653	676	103.5%	26.0	5.9	C
	Right Turn	85	80	93.9%	17.8	6.0	B
	Subtotal	738	756	102.4%	25.1	5.6	C
SB	Left Turn	191	195	102.3%	60.3	5.7	E
	Through	372	397	106.6%	10.2	1.7	B
	Right Turn						
	Subtotal	563	592	105.2%	25.9	2.6	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	426	410	96.2%	145.5	62.9	F
	Through						
	Right Turn	198	191	96.6%	111.5	63.8	F
	Subtotal	624	601	96.4%	135.1	62.9	F
Total		1,925	1,949	101.2%	61.9	21.6	E

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	78	94	120.6%	57.6	9.4	E
	Through	9	4	45.6%	34.5	34.6	C
	Right Turn	32	17	52.8%	11.1	4.7	B
	Subtotal	119	115	96.7%	50.0	7.1	D
SB	Left Turn	25	24	94.8%	48.6	18.3	D
	Through	22	20	92.7%	47.0	18.1	D
	Right Turn	129	127	98.6%	13.9	5.6	B
	Subtotal	176	171	97.3%	23.3	6.2	C
EB	Left Turn	196	197	100.3%	45.7	4.6	D
	Through	445	443	99.6%	30.2	4.4	C
	Right Turn	158	158	99.9%	25.6	7.2	C
	Subtotal	799	797	99.8%	33.2	4.0	C
WB	Left Turn	38	40	104.5%	60.8	9.2	E
	Through	506	499	98.6%	27.9	6.2	C
	Right Turn	21	21	97.6%	6.5	5.2	A
	Subtotal	565	559	98.9%	29.2	5.4	C
Total		1,659	1,643	99.0%	32.0	3.5	C

Vissim Post-Processor  
Average Results from 10 Runs  
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I-80/US 50 Managed Lanes  
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Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	57	58	101.8%	23.1	4.0	C
	Through	646	652	101.0%	9.6	1.3	A
	Right Turn	3	4	123.3%	7.1	4.2	A
	Subtotal	706	714	101.1%	10.7	1.4	B
SB	Left Turn	8	8	100.0%	12.1	7.0	B
	Through	627	640	102.0%	8.6	2.5	A
	Right Turn	87	93	106.4%	5.7	2.1	A
	Subtotal	722	740	102.5%	8.4	2.4	A
EB	Left Turn	85	85	100.2%	20.2	2.3	C
	Through						
	Right Turn	18	32	176.7%	9.5	3.6	A
	Subtotal	103	117	113.6%	18.0	2.7	B
WB	Left Turn	4	3	80.0%	6.9	10.2	A
	Through	3	3	90.0%	8.4	12.6	A
	Right Turn	14	8	56.4%	7.9	5.2	A
	Subtotal	21	14	65.7%	10.6	7.1	B
Total		1,552	1,585	102.1%	10.2	1.6	B

Intersection 7 Enterprise Blvd/I-80 EB Ramps Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	404	404	99.9%	19.9	3.5	B
	Through	341	351	103.0%	6.1	1.8	A
	Right Turn						
	Subtotal	745	755	101.3%	13.4	1.8	B
SB	Left Turn						
	Through	442	451	102.1%	18.7	2.5	B
	Right Turn	124	132	106.3%	10.8	1.9	B
	Subtotal	566	583	103.0%	16.8	2.2	B
EB	Left Turn	91	89	97.8%	36.8	15.8	D
	Through						
	Right Turn	280	287	102.6%	25.8	17.6	C
	Subtotal	371	376	101.5%	28.4	17.1	C
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,682	1,714	101.9%	18.0	4.6	B

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
8 to 9 AM

Intersection 8                      Driveway-I-80 WB Ramps/W Capitol Ave                      Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	673	688	102.2%	16.5	1.3	B
	Through	40	40	100.3%	17.2	3.6	B
	Right Turn	45	44	97.3%	4.3	1.9	A
	Subtotal	758	771	101.8%	15.8	1.2	B
SB	Left Turn	6	6	100.0%	25.6	21.2	C
	Through						
	Right Turn	32	29	91.9%	11.3	2.6	B
	Subtotal	38	35	93.2%	15.6	7.6	B
EB	Left Turn	44	36	81.4%	27.1	7.2	C
	Through	121	130	107.4%	14.1	3.6	B
	Right Turn	257	251	97.5%	2.7	0.6	A
	Subtotal	422	416	98.7%	8.6	1.9	A
WB	Left Turn						
	Through	438	439	100.3%	20.6	3.5	C
	Right Turn	5	5	96.0%	14.6	12.0	B
	Subtotal	443	444	100.3%	20.5	3.5	C
Total		1,661	1,667	100.4%	15.3	1.8	B

Vissim Post-Processor  
Average Results from 10 Runs  
Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
9 to 10 AM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	1,540	1,599	103.8%	38	1,533	1,642	1.5	28.5	9.7	20.0	50.7	C
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,327	1,342	101.2%	31	1,308	1,409	0.4	28.3	2.3	23.9	32.0	C
6 Enterprise Blvd/Lake Rd	Signal	1,286	1,290	100.3%	27	1,248	1,322	0.1	8.9	1.1	6.7	10.9	A
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,372	1,388	101.1%	29	1,356	1,444	0.4	11.5	0.8	10.0	12.5	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,361	1,372	100.8%	45	1,324	1,483	0.3	11.8	1.0	10.4	13.6	B

Network Summary

Total Demand Volume (veh/hr)	6,886
Total Volume Served (veh/hr)	6,991
Percent Served	101.5%
GEH Statistic	1.3

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.



Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
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**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	522	539	103.3%	18.4	2.9	B
	Right Turn	68	75	110.4%	12.1	3.4	B
	Subtotal	590	614	104.1%	17.7	2.8	B
SB	Left Turn	153	176	114.9%	56.5	4.0	E
	Through	298	292	98.1%	6.8	2.4	A
	Right Turn						
	Subtotal	451	468	103.8%	24.6	2.8	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	341	356	104.4%	54.4	22.6	D
	Through						
	Right Turn	158	161	101.8%	23.4	22.9	C
	Subtotal	499	517	103.5%	44.1	22.5	D
Total		1,540	1,599	103.8%	28.5	9.7	C

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	62	77	124.8%	55.7	10.1	E
	Through	7	6	88.6%	23.0	18.4	C
	Right Turn	26	16	61.2%	9.7	2.7	A
	Subtotal	95	100	104.7%	46.7	10.3	D
SB	Left Turn	20	19	94.5%	60.2	18.7	E
	Through	18	16	90.0%	48.4	21.1	D
	Right Turn	103	107	103.5%	13.8	3.6	B
	Subtotal	141	142	100.5%	22.1	2.6	C
EB	Left Turn	157	159	101.2%	47.0	4.3	D
	Through	356	364	102.1%	26.3	4.3	C
	Right Turn	126	130	102.9%	21.3	5.2	C
	Subtotal	639	652	102.1%	30.7	3.4	C
WB	Left Turn	30	30	98.7%	68.6	13.0	E
	Through	405	401	99.0%	21.8	2.4	C
	Right Turn	17	19	108.8%	4.1	2.4	A
	Subtotal	452	449	99.4%	23.5	2.8	C
Total		1,327	1,342	101.2%	28.4	2.3	C

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
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**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	52	54	104.0%	17.0	2.8	B
	Through	599	601	100.3%	8.4	1.2	A
	Right Turn	7	7	104.3%	7.1	5.8	A
	Subtotal	658	662	100.7%	9.1	1.2	A
SB	Left Turn	19	19	97.9%	15.0	3.7	B
	Through	469	466	99.3%	7.2	1.7	A
	Right Turn	46	53	114.1%	4.0	1.5	A
	Subtotal	534	537	100.5%	7.2	1.6	A
EB	Left Turn	64	62	97.3%	18.1	3.7	B
	Through	2	2	95.0%	3.7	9.1	A
	Right Turn	12	10	85.8%	8.4	3.2	A
	Subtotal	78	75	95.5%	16.8	3.3	B
WB	Left Turn	8	8	101.3%	18.5	12.1	B
	Through	4	4	97.5%	25.3	21.8	C
	Right Turn	4	4	105.0%	5.6	4.1	A
	Subtotal	16	16	101.3%	24.6	11.0	C
Total		1,286	1,290	100.3%	9.0	1.1	A

**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	365	364	99.8%	15.2	1.6	B
	Through	302	304	100.8%	4.1	1.5	A
	Right Turn						
	Subtotal	667	669	100.3%	10.2	1.1	B
SB	Left Turn						
	Through	357	355	99.3%	13.9	2.2	B
	Right Turn	115	122	105.7%	8.6	1.0	A
	Subtotal	472	476	100.9%	12.6	1.4	B
EB	Left Turn	56	61	109.1%	20.1	3.3	C
	Through						
	Right Turn	177	182	102.6%	10.1	2.8	B
	Subtotal	233	243	104.2%	12.5	2.9	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,372	1,388	101.1%	11.5	0.8	B

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
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Intersection 8

Driveway-I-80 WB Ramps/W Capitol Ave

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	551	557	101.2%	13.3	1.3	B
	Through	32	31	97.5%	13.3	4.1	B
	Right Turn	36	40	110.8%	2.5	1.5	A
	Subtotal	619	629	101.5%	12.7	1.3	B
SB	Left Turn	5	5	102.0%	17.1	13.1	B
	Through						
	Right Turn	26	26	100.8%	9.0	3.2	A
	Subtotal	31	31	101.0%	11.2	4.4	B
EB	Left Turn	36	27	74.7%	21.6	5.4	C
	Through	98	100	101.5%	10.3	2.7	B
	Right Turn	219	227	103.5%	1.9	0.4	A
	Subtotal	353	353	100.0%	5.8	1.1	A
WB	Left Turn						
	Through	354	356	100.5%	16.4	2.4	B
	Right Turn	4	3	80.0%	7.5	9.5	A
	Subtotal	358	359	100.3%	16.3	2.3	B
Total		1,361	1,372	100.8%	11.8	1.0	B

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

PM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 EB: Pedrick Rd Off to On	Mainline	4,263	4,248	-14	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Pedrick Rd On	On	118	118	0	0.2%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Pedrick Rd to Kidwell Rd	Mainline	4,380	4,373	-7	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd Off	Off	40	41	1	1.5%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd Off to On	Mainline	4,340	4,337	-3	-0.1%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd On	On	57	56	-2	-2.6%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Kidwell Rd to SR 113	Mainline	4,397	4,393	-4	-0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 EB: SR 113 Off	Off	1,135	1,148	14	1.2%	0.4	+/- 15%	Yes	< 5	Yes
I-80 EB: SR 113 Off to Old Davis Rd Off	Mainline	3,263	3,249	-14	-0.4%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd Off	Off	252	259	7	2.7%	0.4	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd Off to SR 113 On	Mainline	3,011	2,992	-18	-0.6%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: SR 113 On	On	470	470	0	0.0%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: SR 113 On to Old Davis Rd On	Mainline	3,480	3,463	-17	-0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd On	On	510	512	2	0.4%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Old Davis Rd to Richards Blvd	Mainline	3,990	3,977	-13	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd Off	Off	457	462	5	1.0%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd Off to On	Mainline	3,532	3,517	-15	-0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd On	On	377	374	-3	-0.8%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Richards Blvd to Mace Blvd	Mainline	3,909	3,901	-8	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd Off	Off	218	211	-7	-3.2%	0.5	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd Off to SB On	Mainline	3,691	3,700	8	0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd SB On	On	578	580	2	0.4%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd SB On to NB On	Mainline	4,269	4,286	17	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd NB On	On	417	419	2	0.5%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Mace Blvd to Chiles Rd	Mainline	4,686	4,719	34	0.7%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd Off	Off	9	10	1	11.4%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd Off to On	Mainline	4,677	4,713	36	0.8%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd On	On	509	511	2	0.3%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Chiles Rd to Enterprise Blvd	Mainline	5,186	5,234	49	0.9%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd Off	Off	428	427	0	-0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd Off to On	Mainline	4,758	4,809	51	1.1%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Enterprise Blvd On	On	820	808	-12	-1.5%	0.4	+/- 15%	Yes	< 5	Yes
I-80 EB: Enterprise Blvd to US 50	Mainline	5,579	5,617	39	0.7%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-80 Off	Off	2,476	2,465	-11	-0.4%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: I-80 Off to On	Mainline	3,103	3,160	57	1.8%	1.0	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-80 On	On	1,531	1,537	6	0.4%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: I-80 to Harbor Blvd	Mainline	4,634	4,697	62	1.3%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd Off	Branch Off	803	799	-4	-0.5%	0.1	+/- 15%	Yes	< 5	Yes

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

PM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
US 50 EB: Harbor Blvd SB Off	Off	193	191	-2	-1.1%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd NB Off	Off	610	608	-2	-0.3%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd Off to On	Mainline	3,831	3,903	72	1.9%	1.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: Harbor Blvd On	On	1,108	1,106	-1	-0.1%	0.0	+/- 15%	Yes	< 5	Yes
US 50 EB: Harbor Blvd to TBG/Jefferson Blvd	Mainline	4,939	5,009	71	1.4%	1.0	+/- 400 vph	Yes	< 5	Yes
US 50 EB: TBG/Jefferson Blvd Off	Branch Off	871	876	5	0.6%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: Jefferson Blvd Off	Off	478	482	3	0.7%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 EB: Tower Bridge Gateway Off	Off	393	395	2	0.5%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 EB: TBG/Jefferson Blvd Off to On	Mainline	4,068	4,144	76	1.9%	1.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: Jefferson Blvd On	On	1,394	1,382	-12	-0.9%	0.3	+/- 15%	Yes	< 5	Yes
US 50 EB: Jefferson Blvd On to S River Rd On	Mainline	5,462	5,527	65	1.2%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 EB: S River Rd On	On	740	741	1	0.1%	0.0	+/- 15%	Yes	< 5	Yes
US 50 EB: S River Rd to I-5	Mainline	6,202	6,271	69	1.1%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-5 Off	Branch Off	1,499	1,508	9	0.6%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 SB Off	Off	1,255	1,261	6	0.5%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 NB Off	Off	244	247	3	1.2%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 EB: I-5 Off to 5th St Off	Mainline	4,703	4,767	63	1.3%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 5th St Off	Off	968	977	9	0.9%	0.3	+/- 15%	Yes	< 5	Yes
US 50 EB: 5th St Off to I-5 On	Mainline	3,735	3,798	63	1.7%	1.0	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-5 NB On	On	889	889	0	0.0%	0.0	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 SB On	On	1,930	1,939	9	0.5%	0.2	+/- 15%	Yes	< 5	Yes
US 50 EB: I-5 On	Branch On	2,819	2,828	9	0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 EB: I-5 to 15th St	Mainline	6,555	6,627	72	1.1%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 15th St Off	Off	719	720	1	0.1%	0.0	+/- 15%	Yes	< 5	Yes
US 50 EB: 15th St Off to 11th St On	Mainline	5,836	5,903	67	1.2%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 11th St On	On	796	795	-1	-0.1%	0.0	+/- 15%	Yes	< 5	Yes
US 50 EB: 11th St On to 16th St On	Mainline	6,631	6,694	63	0.9%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 EB: 16th St On	On	579	576	-3	-0.4%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 EB: 16th St to SR 51/99	Mainline	7,210	7,270	60	0.8%	0.7	+/- 400 vph	Yes	< 5	Yes
US 50 EB: SR 51/99 Off	Branch Off	3,110	3,132	22	0.7%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 EB: SR 99 Off	Off	2,230	2,249	19	0.8%	0.4	+/- 15%	Yes	< 5	Yes
US 50 EB: SR 51 Off	Off	880	884	4	0.4%	0.1	+/- 15%	Yes	< 5	Yes
US 50 EB: SR 51/99 Off to 26th St On	Mainline	4,100	4,137	38	0.9%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 EB: US 50 On	On	1,420	1,428	8	0.6%	0.2	+/- 15%	Yes	< 5	Yes
I-80 EB: US 50 to Reed Ave	Mainline	3,895	3,895	0	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Reed Ave Off	Off	495	490	-5	-1.1%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Reed Ave Off to On	Mainline	3,400	3,406	5	0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Reed Ave On	On	1,360	1,364	4	0.3%	0.1	+/- 15%	Yes	< 5	Yes

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

PM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 EB: Reed Ave to W El Camino Ave	Mainline	4,761	4,772	11	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave Off	Off	1,078	1,072	-6	-0.5%	0.2	+/- 15%	Yes	< 5	Yes
I-80 EB: W El Camino Ave Off to EB On	Mainline	3,683	3,699	17	0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave EB On	On	413	411	-2	-0.6%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave EB On to WB On	Mainline	4,095	4,110	15	0.4%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave WB On	On	429	427	-1	-0.3%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: W El Camino Ave to I-5	Mainline	4,524	4,537	14	0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-5 Off	Branch Off	1,286	1,277	-9	-0.7%	0.3	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 SB Off	Off	65	63	-2	-3.3%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 EB: I-5 NB Off	Off	1,221	1,214	-7	-0.6%	0.2	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 Off to SB On	Mainline	3,237	3,262	25	0.8%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-5 SB On	On	921	924	3	0.4%	0.1	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 SB On to NB On	Mainline	4,158	4,186	29	0.7%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 EB: I-5 NB On	On	2,606	2,600	-6	-0.2%	0.1	+/- 15%	Yes	< 5	Yes
I-80 EB: I-5 to Truxel Rd	Mainline	6,764	6,786	23	0.3%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd Off	Off	1,447	1,453	6	0.4%	0.2	+/- 15%	Yes	< 5	Yes
I-80 EB: Truxel Rd Off to SB on	Mainline	5,317	5,335	18	0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd SB On	On	589	589	0	0.0%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd SB On to NB On	Mainline	5,906	5,926	20	0.3%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd NB On	On	413	414	1	0.2%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Truxel Rd to Northgate Blvd	Mainline	6,319	6,343	25	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 EB: Northgate Blvd Off	Off	623	628	5	0.7%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 EB: Northgate Blvd Off to SB On	Mainline	5,696	5,716	20	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
<b>Total</b>		<b>253,439</b>	<b>254,752</b>	<b>1,313</b>	<b>0.5%</b>	<b>2.6</b>	<b>+/- 5%</b>	<b>Yes</b>	<b>&lt;4</b>	<b>Yes</b>

All Link Flows			
Link Flow Criteria		Link GEH Criteria	
Measure	% Cases	Measure	% Cases
> 85%	100%	> 85%	100%

VISSIM Post-Processor  
 Average Results from 10 Runs  
 Travel Time

I-80/US 50 Managed Lanes  
 Existing Conditions  
 PM Peak Period

Location	Time	Travel Time (min)		Difference	
		Measured	Modeled	Minutes	Percent
I-80 Eastbound: Kidwell Rd Off-ramp to US 50	3:00 PM	19.9	18.3	1.65	8.3%
	4:00 PM	23.2	22.9	0.29	1.2%
	5:00 PM	19.7	21.4	-1.69	-8.6%
	6:00 PM	15.5	15.0	0.44	2.9%
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	3:00 PM	7.6	7.7	-0.07	-0.9%
	4:00 PM	11.1	12.1	-1.00	-9.0%
	5:00 PM	12.0	11.4	0.57	4.8%
	6:00 PM	7.4	6.7	0.74	10.0%
I-80 Eastbound: US 50 to Truxel Rd Off-ramp	3:00 PM	4.8	5.8	-1.04	-21.7%
	4:00 PM	6.7	7.5	-0.83	-12.5%
	5:00 PM	7.4	7.8	-0.37	-4.9%
	6:00 PM	4.7	5.8	-1.06	-22.5%

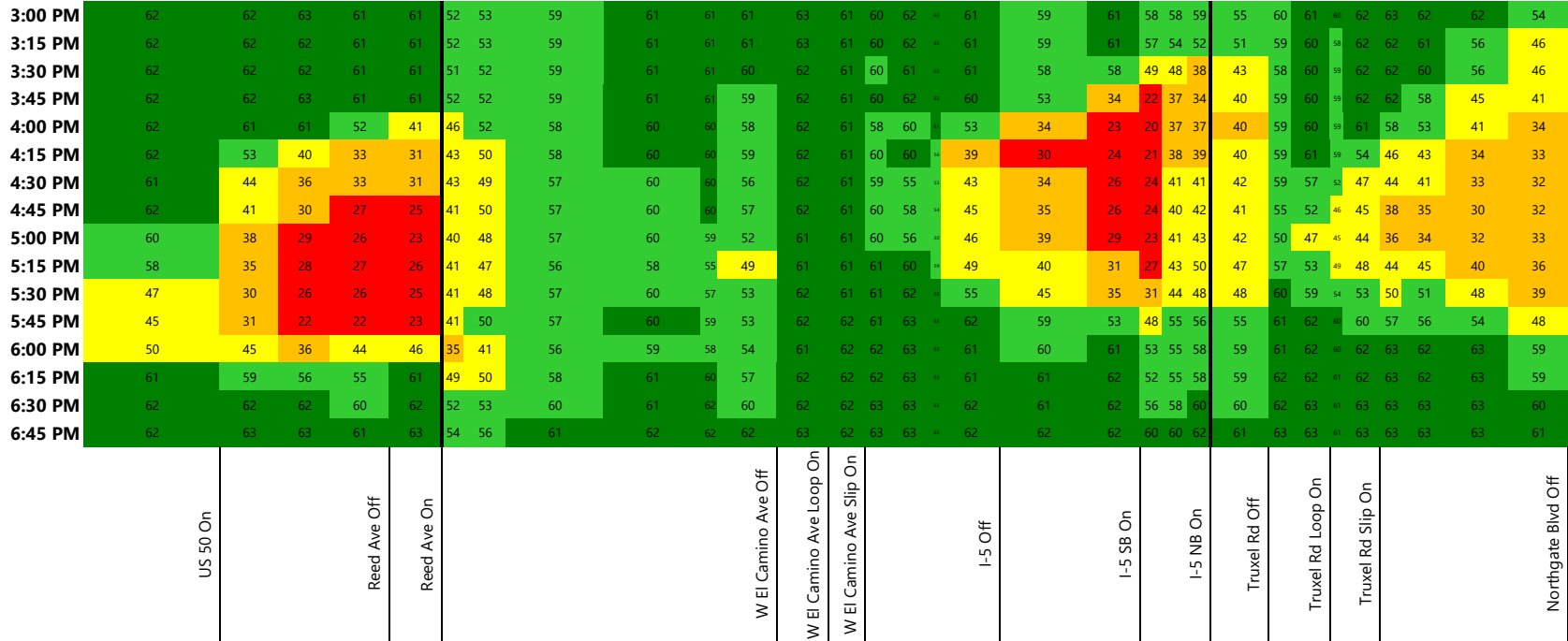




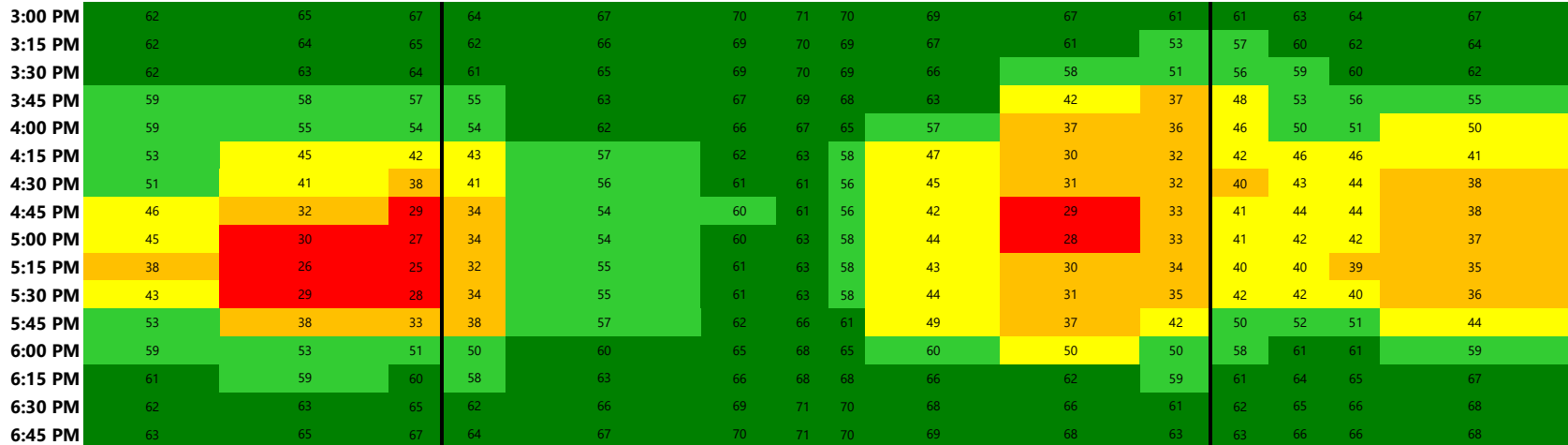
VISSIM Post-Processor  
Average Results from 10 Runs  
Average Link Speed

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period

I-80 Eastbound - Modeled



I-80 Eastbound - Measured



VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,781	67	104.5%	140	24	103.6%				59.5	1.4	24.6	1.1	C
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,927	68	104.6%							60.3	0.6	28.1	1.1	D
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,927	69	104.6%							61.2	0.4	20.8	0.8	C
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,927	76	104.6%				53	12	110.8%	62.5	0.2	14.6	0.8	B
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,878	73	104.7%							62.5	0.2	20.1	0.7	C
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,873	84	104.6%	61	12	98.2%	1,208	77	109.7%	62.7	0.2	16.2	0.5	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,726	61	102.9%							63.1	0.1	15.2	0.4	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,726	60	102.9%				324	36	108.2%	63.0	0.2	14.9	0.6	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,405	58	102.5%							63.3	0.1	13.8	0.4	B
10 I-80 EB: SR 113 On-ramp	Basic	3,404	55	102.4%	555	43	100.8%				57.6	10.7	14.9	8.3	B
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,943	146	101.8%							46.2	22.5	24.2	19.1	C
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,926	220	101.4%	624	50	100.3%				25.0	16.9	57.7	39.2	F
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,429	278	98.5%							13.5	3.7	61.5	9.6	F
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,378	169	97.4%							16.0	1.4	61.1	3.2	F
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,316	135	96.0%							20.1	1.2	64.1	2.4	F
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,302	104	95.7%				380	42	98.5%	19.7	0.8	65.2	1.3	F
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,891	54	94.7%							17.3	0.6	68.0	1.3	F
18 I-80 EB: Richards Blvd On-ramp	Merge	3,847	65	93.6%	353	36	98.4%				18.2	0.6	62.1	0.9	F
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,164	69	93.2%							19.3	0.6	65.9	0.8	F
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,000	47	89.5%				178	29	91.4%	19.5	0.5	44.6	0.8	F
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,803	42	89.0%							19.0	0.4	63.9	0.8	F
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,787	53	88.6%	620	42	98.1%				21.3	0.4	72.8	2.4	F
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,395	23	89.6%	408	38	96.6%				34.9	0.4	47.2	0.6	F
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	4,799	21	90.1%							60.2	0.3	26.6	0.2	C
25 I-80 EB: Chiles Rd Off-ramp	Diverge	4,793	34	90.0%				10	6	90.0%	50.3	7.3	31.8	5.4	D
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	4,778	35	89.9%							34.7	3.2	45.6	4.0	F
27 I-80 EB: Chiles Rd On-ramp	Merge	4,762	34	89.6%	493	37	96.9%				32.2	0.4	51.8	0.9	F
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	5,232	36	89.8%							60.6	0.3	29.1	0.3	D
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,223	42	89.7%				314	31	92.8%	59.0	2.1	29.5	1.0	D
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,906	40	89.4%							60.9	0.7	27.0	0.6	C
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,904	75	89.4%	1,022	72	97.4%	2,263	83	91.5%	59.5	0.8	16.9	0.4	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,662	63	90.1%							59.0	9.9	16.3	4.7	B
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,647	72	89.8%							54.9	15.9	25.8	15.4	C
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,631	107	89.4%	1,588	75	99.3%	698	51	95.7%	44.8	20.2	32.2	19.3	D
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,472	122	90.7%							25.4	16.6	56.4	26.9	F
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,404	167	89.3%	1,312	67	99.3%	667	43	94.0%	18.9	3.3	58.8	6.1	F
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	4,880	65	88.0%							26.5	2.7	59.6	3.6	F
38 US 50 EB: Jefferson Blvd On-ramp	Basic	4,835	96	87.2%	1,337	71	99.0%				33.3	4.9	46.3	5.1	F
39 US 50 EB: S River Rd On-ramp	Merge	6,160	115	89.3%	748	51	100.5%				34.0	9.2	58.2	16.9	F
40 US 50 EB: I-5 Off-ramp	Diverge	6,890	103	90.2%				1,647	74	90.3%	35.6	7.9	51.0	9.8	F
41 US 50 EB: 5th St Off-ramp	Diverge	5,233	87	90.0%				823	55	92.4%	39.4	17.9	26.6	8.9	C
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	4,396	78	89.2%							32.3	19.5	43.2	17.3	F
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	4,387	139	89.1%							36.1	9.0	42.0	8.9	E
44 US 50 EB: I-5 to 15th St	Weave	4,376	314	88.8%	2,959	132	96.3%	471	44	88.4%	22.4	4.6	56.3	8.2	F
45 US 50 EB: 15th St to 11th St	Basic	6,587	217	88.3%							25.9	1.0	48.4	1.6	F
46 US 50 EB: 11th St On-Ramp	Merge	6,532	209	87.5%	835	40	95.1%				27.2	1.2	85.8	3.5	F
47 US 50 EB: 16th St to SR 51/SR 99	Weave	7,322	104	87.8%	595	35	95.6%	2,998	79	88.4%	54.1	0.4	23.7	0.3	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,428	46	99.6%	119	24	95.7%				60.9	0.7	21.9	0.8	C
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,549	46	99.5%							61.1	0.4	25.2	0.8	C
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,555	50	99.7%							61.7	0.3	18.7	0.6	B
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,555	56	99.7%				49	11	102.3%	62.6	0.1	12.8	0.6	B
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,507	56	99.6%							62.6	0.3	18.2	0.6	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,515	66	99.8%	71	15	97.5%	1,424	77	98.9%	62.7	0.3	14.5	0.5	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,165	52	100.3%							63.2	0.2	12.9	0.3	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,167	55	100.3%				333	41	101.5%	63.1	0.2	12.6	0.5	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,834	46	100.2%							63.4	0.2	11.6	0.3	B
10 I-80 EB: SR 113 On-ramp	Basic	2,842	56	100.5%	356	39	101.5%				47.2	21.3	24.8	21.6	C
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,218	219	101.2%							32.4	25.5	37.5	25.7	E
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,230	334	101.6%	550	53	100.4%				15.6	10.0	84.7	30.9	F
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,836	299	102.9%							11.6	0.4	65.7	1.7	F
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,858	129	103.5%							15.3	0.5	62.2	1.1	F
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,872	97	103.9%							19.7	0.8	64.7	1.8	F
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,874	60	103.9%				429	38	101.7%	19.4	0.7	65.6	1.1	F
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,445	32	104.2%							16.5	0.4	69.2	1.1	F
18 I-80 EB: Richards Blvd On-ramp	Merge	3,448	40	104.3%	368	29	98.2%				17.9	0.6	63.0	1.3	F
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,813	29	103.6%							19.2	0.5	66.2	0.7	F
20 I-80 EB: Mace Blvd Off-ramp	Diverge	3,815	38	103.6%				159	27	103.8%	19.4	0.7	45.1	0.7	F
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,653	43	103.5%							18.9	0.6	64.3	1.3	F
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,655	61	103.6%	647	34	100.9%				21.0	0.4	73.0	1.7	F
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,303	31	103.2%	489	29	93.8%				32.9	2.9	49.3	3.0	F
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	4,791	30	102.1%							40.5	4.3	39.9	3.1	E
25 I-80 EB: Chiles Rd Off-ramp	Diverge	4,709	32	100.4%				12	6	131.1%	33.4	1.6	46.6	1.6	F
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	4,688	30	100.1%							30.4	1.1	51.1	1.3	F
27 I-80 EB: Chiles Rd On-ramp	Merge	4,689	27	100.2%	629	38	99.3%				32.4	0.6	52.1	1.2	F
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	5,319	29	100.1%							60.6	0.2	29.3	0.2	D
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,313	36	100.0%				409	45	96.7%	59.2	2.2	29.8	1.4	D
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,904	41	100.3%							61.2	0.5	27.0	0.4	C
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,909	79	100.4%	968	75	97.9%	2,283	77	98.3%	58.0	6.1	17.1	4.2	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,597	154	101.1%							35.8	23.9	38.5	25.9	E
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,526	172	99.2%							32.6	25.8	60.0	36.2	F
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,513	512	98.8%	1,769	113	95.4%	829	76	93.3%	23.9	19.4	65.5	27.0	F
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,430	137	98.0%							18.7	15.9	79.1	25.4	F
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,435	147	98.1%	1,120	54	100.2%	954	86	86.2%	19.1	1.4	57.5	3.4	F
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	4,569	81	100.8%							21.7	2.0	66.0	2.7	F
38 US 50 EB: Jefferson Blvd On-ramp	Basic	4,538	86	100.1%	1,419	70	99.1%				28.8	4.2	51.3	4.9	F
39 US 50 EB: S River Rd On-ramp	Merge	5,951	99	99.7%	804	52	99.5%				26.1	4.2	75.5	12.8	F
40 US 50 EB: I-5 Off-ramp	Diverge	6,745	97	99.6%				1,329	84	105.0%	25.1	4.5	65.6	5.8	F
41 US 50 EB: 5th St Off-ramp	Diverge	5,410	92	98.2%				1,101	84	93.9%	24.1	2.3	37.2	1.8	E
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	4,288	57	98.9%							19.2	0.4	55.7	0.9	F
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	4,281	90	98.7%							25.6	1.3	55.4	2.4	F
44 US 50 EB: I-5 to 15th St	Weave	4,266	326	98.4%	2,164	100	82.6%	586	59	77.6%	20.7	0.9	56.3	1.9	F
45 US 50 EB: 15th St to 11th St	Basic	5,803	71	93.6%							25.2	0.6	48.0	1.2	F
46 US 50 EB: 11th St On-Ramp	Merge	5,803	79	93.6%	904	12	99.5%				25.8	2.5	97.0	4.1	F
47 US 50 EB: 16th St to SR 51/SR 99	Weave	6,695	94	94.2%	630	46	101.0%	2,893	77	90.9%	23.2	5.5	49.9	9.1	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,317	54	97.2%	97	14	103.6%				60.8	0.9	21.9	1.1	C
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,416	58	97.4%							61.3	0.5	25.2	0.9	C
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,426	55	97.6%							61.9	0.4	18.7	0.6	B
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,426	61	97.6%				37	12	95.9%	62.8	0.2	12.8	0.7	B
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,393	65	97.7%							62.8	0.2	18.3	0.6	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,394	68	97.8%	51	14	96.0%	1,243	72	97.4%	62.9	0.3	14.6	0.5	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,206	57	98.0%							63.4	0.2	13.1	0.5	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,208	60	98.0%				214	32	101.8%	63.4	0.1	12.5	0.7	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,997	55	97.9%							63.5	0.2	12.3	0.5	B
10 I-80 EB: SR 113 On-ramp	Basic	2,997	61	97.9%	369	34	99.7%				61.8	6.0	10.3	2.1	B
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,368	113	98.1%							54.2	17.3	16.6	16.4	B
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,375	200	98.3%	430	36	99.2%				39.7	24.2	39.8	40.7	E
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,856	301	99.8%							31.9	25.5	43.0	26.8	F
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,878	150	100.3%							24.8	17.4	50.0	18.2	F
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,917	170	101.3%							24.4	8.6	57.0	13.0	F
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,929	146	101.6%				534	52	102.2%	21.4	3.2	61.3	6.7	F
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,423	63	102.4%							16.3	0.5	69.0	1.3	F
18 I-80 EB: Richards Blvd On-ramp	Merge	3,455	59	103.3%	393	37	100.7%				17.8	0.6	64.4	1.3	F
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,872	42	103.7%							19.1	0.6	66.3	0.9	F
20 I-80 EB: Mace Blvd Off-ramp	Diverge	3,899	40	104.4%				208	32	95.7%	19.4	0.5	45.1	0.6	F
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,696	48	105.1%							19.3	0.5	65.2	0.8	F
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,694	58	105.0%	597	46	101.7%				20.3	1.2	73.5	3.8	F
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,299	32	104.8%	459	32	108.3%				31.9	2.9	50.4	3.3	F
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	4,760	29	105.1%							38.5	2.7	41.5	2.1	E
25 I-80 EB: Chiles Rd Off-ramp	Diverge	4,776	37	105.5%				9	7	107.5%	34.4	1.2	45.8	1.2	F
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	4,767	31	105.5%							31.3	1.1	50.2	1.5	F
27 I-80 EB: Chiles Rd On-ramp	Merge	4,765	32	105.4%	553	39	101.5%				32.2	0.2	51.9	0.5	F
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	5,319	32	105.0%							60.6	0.4	29.4	0.4	D
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,322	41	105.1%				508	46	96.9%	57.5	2.8	30.7	1.8	D
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,814	41	106.0%							61.1	0.6	26.4	0.3	C
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,811	67	106.0%	764	56	99.8%	2,717	79	97.1%	57.0	5.0	17.3	3.5	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,863	194	114.1%							34.9	24.7	42.1	31.1	E
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,953	207	117.7%							32.5	25.9	60.5	37.1	F
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,984	440	118.9%	1,794	295	106.5%	994	177	106.2%	24.5	20.4	67.0	31.3	F
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	3,863	162	118.6%							16.5	16.6	83.5	26.6	F
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	3,930	239	120.7%	1,052	65	99.6%	1,211	188	109.4%	18.1	4.8	61.1	10.1	F
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,895	132	121.5%							18.7	1.4	69.1	1.8	F
38 US 50 EB: Jefferson Blvd On-ramp	Basic	3,924	106	122.4%	1,427	112	99.5%				24.9	3.2	54.6	4.1	F
39 US 50 EB: S River Rd On-ramp	Merge	5,353	134	115.4%	812	58	101.1%				28.3	3.1	81.6	13.3	F
40 US 50 EB: I-5 Off-ramp	Diverge	6,169	126	113.3%				1,450	69	107.2%	32.8	7.2	58.2	8.0	F
41 US 50 EB: 5th St Off-ramp	Diverge	4,736	97	115.8%				1,234	59	105.6%	27.8	5.3	32.5	4.1	D
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,546	83	121.3%							19.8	5.5	53.1	9.7	F
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,569	99	122.1%							23.1	5.0	59.5	8.0	F
44 US 50 EB: I-5 to 15th St	Weave	3,605	103	123.4%	2,872	285	110.0%	981	83	110.0%	20.0	0.9	52.4	2.0	F
45 US 50 EB: 15th St to 11th St	Basic	5,626	109	121.2%							24.2	0.5	44.7	1.8	F
46 US 50 EB: 11th St On-Ramp	Merge	5,637	104	121.5%	842	48	105.9%				24.9	4.0	98.9	7.4	F
47 US 50 EB: 16th St to SR 51/SR 99	Weave	6,491	99	119.4%	590	47	100.4%	3,244	80	117.6%	21.7	3.3	52.1	6.2	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,466	51	96.6%	115	20	98.3%				62.3	0.2	17.8	0.4	B
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,581	53	96.6%							62.3	0.2	20.5	0.5	C
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,583	43	96.7%							62.6	0.2	15.3	0.3	B
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,584	49	96.7%				24	9	91.2%	63.1	0.1	10.1	0.4	B
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,559	55	96.7%							63.2	0.1	15.1	0.3	B
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,566	67	96.9%	40	9	97.6%	720	52	99.7%	63.3	0.2	12.2	0.3	B
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,894	54	96.5%							63.6	0.1	11.8	0.3	B
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,895	57	96.5%				165	29	96.5%	63.6	0.1	11.1	0.5	B
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,729	52	96.5%							63.7	0.1	11.1	0.4	B
10 I-80 EB: SR 113 On-ramp	Basic	2,726	58	96.4%	598	42	98.5%				63.9	0.1	9.9	0.3	A
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,323	68	96.7%							63.6	0.1	10.8	0.4	B
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,322	83	96.7%	442	35	101.8%				60.0	11.2	11.7	13.7	B
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,776	193	97.6%							56.6	16.2	17.9	16.6	B
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,787	107	97.9%							54.6	16.7	21.8	14.5	C
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,799	127	98.2%							54.5	14.0	27.1	13.4	C
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,802	113	98.3%				505	53	101.1%	50.6	11.7	29.5	11.2	D
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,304	59	98.1%							46.8	19.4	31.2	18.9	D
18 I-80 EB: Richards Blvd On-ramp	Merge	3,319	60	98.5%	382	43	99.6%				45.8	20.0	32.1	19.2	D
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,718	65	99.1%							31.4	8.7	48.5	12.2	F
20 I-80 EB: Mace Blvd Off-ramp	Diverge	3,891	96	103.7%				299	40	97.6%	22.5	2.1	42.0	3.2	E
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,632	89	105.4%							20.3	0.6	64.1	1.0	F
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,663	95	106.3%	456	45	101.0%				22.0	1.0	66.9	2.5	F
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,147	90	106.4%	320	39	106.6%				33.6	1.6	47.8	1.6	F
24 I-80 EB: Mace Blvd to Chiles Rd	Basic	4,490	85	106.9%							40.4	4.5	40.2	3.2	E
25 I-80 EB: Chiles Rd Off-ramp	Diverge	4,599	80	109.6%				11	7	121.1%	36.4	2.4	43.8	2.4	F
26 I-80 EB: Chiles Rd Off to On-ramp	Basic	4,609	87	110.0%							33.1	1.1	48.2	1.0	F
27 I-80 EB: Chiles Rd On-ramp	Merge	4,634	94	110.6%	367	37	105.2%				32.7	0.6	50.6	1.3	F
28 I-80 EB: Chiles Rd to Enterprise Blvd	Basic	5,031	97	110.9%							60.6	0.2	29.3	0.4	D
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,079	101	111.9%				478	45	112.4%	58.9	2.4	30.3	1.6	D
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,610	99	112.1%							61.0	0.8	26.6	0.6	C
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,612	110	112.1%	479	38	100.3%	2,597	109	112.5%	59.3	2.1	14.7	0.7	B
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,502	71	109.7%							63.2	0.3	10.3	0.6	B
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,507	55	109.9%							63.1	0.3	13.7	0.8	B
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,511	71	110.1%	997	52	100.9%	675	35	102.5%	63.2	0.4	12.0	0.3	B
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	2,841	57	108.8%							63.6	0.3	11.8	0.3	B
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	2,844	68	108.9%	941	55	100.7%	674	67	119.9%	50.1	14.5	20.2	9.9	C
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,204	141	107.5%							36.3	21.4	45.1	25.4	F
38 US 50 EB: Jefferson Blvd On-ramp	Basic	3,277	187	109.9%	1,346	81	98.9%				34.9	15.0	42.0	16.5	E
39 US 50 EB: S River Rd On-ramp	Merge	4,643	175	106.9%	601	48	99.1%				33.5	11.7	67.6	25.1	F
40 US 50 EB: I-5 Off-ramp	Diverge	5,280	148	106.7%				1,605	93	103.3%	42.9	6.0	47.7	9.6	F
41 US 50 EB: 5th St Off-ramp	Diverge	3,688	98	108.6%				751	65	117.2%	60.8	1.1	13.9	1.0	B
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	2,940	66	106.8%							62.4	0.5	12.5	0.9	B
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	2,944	72	106.9%							59.6	1.8	17.3	1.7	B
44 US 50 EB: I-5 to 15th St	Weave	2,946	490	107.0%	3,319	285	111.6%	843	88	120.9%	24.8	1.7	48.0	3.3	F
45 US 50 EB: 15th St to 11th St	Basic	5,611	178	111.5%							26.5	0.7	43.3	0.9	F
46 US 50 EB: 11th St On-Ramp	Merge	5,640	147	112.1%	600	42	99.8%				29.1	0.7	83.6	3.0	F
47 US 50 EB: 16th St to SR 51/SR 99	Weave	6,268	106	111.3%	489	40	101.8%	3,396	78	109.2%	58.5	0.4	18.3	0.5	B

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
 3 to 4 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	1,903	1,855	97.5%	39	1,798	1,916	1.1	32.8	2.7	27.6	37.0	C
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,644	1,632	99.3%	33	1,590	1,674	0.3	30.9	3.7	26.0	39.1	C
6 Enterprise Blvd/Lake Rd	Signal	1,630	1,622	99.5%	49	1,522	1,695	0.2	14.6	11.9	7.8	47.8	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,829	1,791	97.9%	53	1,691	1,865	0.9	22.5	16.8	12.0	62.1	C
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,028	1,028	100.0%	33	985	1,080	0.0	13.3	1.2	11.4	15.1	B

Network Summary

Total Demand Volume (veh/hr)	8,034
Total Volume Served (veh/hr)	7,928
Percent Served	98.7%
GEH Statistic	1.2

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	2,263	36	91.5%							62.0	0.4	18.6	0.8	C
62 I-80 EB: US 50 On-ramp	Basic	2,266	32	91.6%	1,465	68	100.3%				61.5	0.4	21.3	0.9	C
63 I-80 EB: US 50 to Reed Ave	Basic	3,728	54	94.8%							62.3	0.4	21.0	0.9	C
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,730	53	94.8%				438	41	95.2%	61.1	0.7	21.9	0.9	C
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,292	47	94.8%							60.8	0.6	18.8	0.9	C
66 I-80 EB: Reed Ave On-ramp	Merge	3,287	49	94.6%	1,251	64	99.5%				51.5	1.6	26.5	1.3	D
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	4,532	48	95.8%							60.2	0.4	25.6	0.8	C
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	4,522	51	95.6%							61.1	0.5	25.0	0.7	C
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	4,522	55	95.6%				785	66	99.6%	58.5	3.8	26.1	2.1	D
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,734	64	94.7%							62.1	0.9	19.6	0.6	C
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	3,732	55	94.6%	371	35	98.4%				61.2	0.3	16.3	0.4	B
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	4,098	62	94.9%	473	42	99.6%				60.8	0.4	17.2	0.6	B
73 I-80 EB: W El Camino Ave to I-5	Basic	4,569	67	95.3%							62.3	0.3	18.0	0.5	C
74 I-80 EB: I-5 Off-ramp	Basic	4,568	67	95.3%				1,072	57	96.2%	60.7	0.8	18.3	0.6	C
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	3,493	52	94.9%							52.9	7.6	19.8	3.8	C
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	3,477	58	94.4%							34.2	10.7	55.3	19.3	F
77 I-80 EB: I-5 SB On-ramp	Merge	3,444	58	93.6%	980	52	99.5%				29.3	1.7	69.4	5.3	F
78 I-80 EB: I-5 to Truxel Rd	Weave	4,390	232	94.1%	2,700	115	94.1%	1,129	60	96.1%	42.9	2.9	41.9	3.9	E
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	5,937	73	93.4%							60.4	0.6	27.9	0.4	D
80 I-80 EB: Truxel Rd SB On-ramp	Basic	5,936	81	93.3%	628	42	99.0%				61.0	0.6	21.9	0.5	C
81 I-80 EB: Truxel Rd NB On-ramp	Merge	6,560	80	93.8%	383	39	101.6%				59.6	3.2	20.6	2.0	C
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,936	89	94.1%							45.3	12.0	38.0	10.9	E
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,910	147	93.8%				673	54	94.8%	41.2	6.1	39.0	5.8	E

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	2,284	46	98.3%							62.1	0.4	18.9	1.0	C
62 I-80 EB: US 50 On-ramp	Basic	2,280	35	98.1%	1,703	96	99.1%				41.3	20.5	41.8	23.2	E
63 I-80 EB: US 50 to Reed Ave	Basic	3,966	79	98.1%							30.4	21.6	61.7	30.2	F
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,930	67	97.2%				451	44	88.1%	26.9	13.9	54.2	15.5	F
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,440	159	97.4%							25.3	11.5	49.0	10.3	F
66 I-80 EB: Reed Ave On-ramp	Merge	3,417	44	96.8%	1,587	34	95.5%				46.6	1.6	31.4	1.0	D
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	5,001	43	96.3%							58.5	0.5	28.7	0.5	D
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	4,992	52	96.2%							60.0	0.5	27.7	0.6	D
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	4,992	54	96.2%				1,127	62	89.7%	56.5	3.1	29.7	2.0	D
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,860	60	98.1%							62.1	0.5	19.9	0.5	C
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	3,857	61	98.0%	451	45	99.6%				60.7	0.3	17.0	0.4	B
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	4,310	75	98.2%	485	44	100.1%				56.7	6.5	20.3	3.2	C
73 I-80 EB: W El Camino Ave to I-5	Basic	4,788	116	98.2%							53.0	17.0	27.8	19.4	D
74 I-80 EB: I-5 Off-ramp	Basic	4,786	154	98.2%				1,458	90	93.4%	38.9	11.1	32.2	9.7	D
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	3,307	190	99.9%							29.5	7.8	43.8	11.2	E
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	3,292	80	99.4%							22.5	1.8	85.1	6.9	F
77 I-80 EB: I-5 SB On-ramp	Merge	3,304	82	99.8%	931	60	100.6%				28.6	2.0	72.8	4.0	F
78 I-80 EB: I-5 to Truxel Rd	Weave	4,239	225	100.1%	2,677	99	94.0%	1,122	64	91.7%	42.8	2.7	40.7	3.8	E
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	5,801	79	99.0%							51.8	14.3	37.2	20.8	E
80 I-80 EB: Truxel Rd SB On-ramp	Basic	5,792	109	98.8%	559	48	100.3%				45.3	18.9	44.1	30.0	E
81 I-80 EB: Truxel Rd NB On-ramp	Merge	6,325	176	98.6%	445	41	98.3%				36.2	14.5	50.6	24.0	F
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,721	147	97.8%							30.4	4.7	56.6	8.5	F
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,700	123	97.5%				589	52	95.8%	31.6	0.5	51.3	0.6	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.



VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	2,716	36	97.1%							45.2	17.4	38.0	19.2	E
62 I-80 EB: US 50 On-ramp	Basic	2,692	40	96.2%	1,362	85	102.5%				30.3	21.5	63.1	28.6	F
63 I-80 EB: US 50 to Reed Ave	Basic	4,044	87	98.0%							21.7	13.7	74.2	22.5	F
64 I-80 EB: Reed Ave Off-ramp	Diverge	4,036	73	97.8%				516	42	102.5%	22.0	3.2	60.2	6.4	F
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,520	98	97.1%							22.8	1.7	51.4	2.5	F
66 I-80 EB: Reed Ave On-ramp	Merge	3,517	40	97.0%	1,541	78	107.9%				44.9	1.4	34.0	1.9	D
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	5,059	79	100.1%							57.3	2.0	30.1	1.5	D
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	5,067	73	100.3%							55.2	6.8	31.1	4.7	D
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	5,067	84	100.3%				1,421	74	101.1%	49.4	6.6	36.4	6.8	E
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,646	101	99.9%							61.7	0.5	18.7	0.5	C
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	3,648	76	100.0%	468	53	100.8%				60.9	0.4	16.2	0.5	B
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	4,117	84	100.1%	430	35	99.3%				57.1	7.6	20.8	5.2	C
73 I-80 EB: W El Camino Ave to I-5	Basic	4,553	119	100.2%							51.0	18.2	29.7	22.1	D
74 I-80 EB: I-5 Off-ramp	Basic	4,554	150	100.2%				1,397	80	106.4%	46.2	15.6	29.8	15.0	D
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	3,185	178	98.5%							39.6	17.4	35.1	18.1	E
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	3,212	92	99.4%							29.5	14.1	68.0	25.1	F
77 I-80 EB: I-5 SB On-ramp	Merge	3,234	112	100.1%	866	68	98.1%				31.7	7.0	63.1	13.4	F
78 I-80 EB: I-5 to Truxel Rd	Weave	4,131	173	100.4%	2,816	183	112.9%	1,825	114	108.2%	43.7	4.0	39.0	5.1	E
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	5,142	106	104.4%							47.4	18.1	43.0	25.9	E
80 I-80 EB: Truxel Rd SB On-ramp	Basic	5,153	122	104.7%	589	40	101.3%				44.7	18.8	44.7	31.2	E
81 I-80 EB: Truxel Rd NB On-ramp	Merge	5,775	172	104.9%	473	41	101.9%				34.9	13.3	51.3	21.6	F
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,306	153	105.7%							32.5	10.2	55.3	12.0	F
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,361	187	106.6%				668	66	110.7%	32.9	1.4	49.6	3.0	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
61 I-80 EB: I-80 On-ramp	Basic	2,598	50	112.5%							49.6	16.3	33.4	16.1	D
62 I-80 EB: US 50 On-ramp	Basic	2,630	56	113.9%	1,180	75	101.0%				45.3	19.9	40.9	24.3	E
63 I-80 EB: US 50 to Reed Ave	Basic	3,841	83	110.4%							35.9	15.9	49.0	22.9	F
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,884	75	111.7%				554	47	109.6%	43.6	6.1	34.9	6.2	D
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,370	68	113.4%							46.1	6.4	29.7	5.8	D
66 I-80 EB: Reed Ave On-ramp	Merge	3,402	71	114.4%	1,076	54	98.4%				38.5	4.4	41.5	6.7	E
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	4,487	71	110.3%							57.8	1.2	29.8	1.3	D
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	4,505	64	110.8%							58.4	4.6	29.2	2.6	D
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	4,506	68	110.8%				956	54	110.7%	53.6	5.1	32.0	3.7	D
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,557	76	111.1%							61.3	0.9	20.3	0.7	C
71 I-80 EB: W El Camino Ave EB On-ramp	Basic	3,561	70	111.2%	353	29	98.5%				61.7	0.4	16.7	0.5	B
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	3,917	73	110.0%	320	39	99.8%				62.6	0.3	16.7	0.9	B
73 I-80 EB: W El Camino Ave to I-5	Basic	4,241	80	109.2%							62.8	0.3	17.7	0.6	B
74 I-80 EB: I-5 Off-ramp	Basic	4,242	86	109.3%				1,182	72	102.3%	61.2	0.6	18.0	0.6	C
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	3,061	54	112.3%							59.6	1.5	16.8	0.8	B
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	3,065	52	112.4%							60.6	2.2	24.7	1.3	C
77 I-80 EB: I-5 SB On-ramp	Merge	3,066	58	112.5%	918	58	103.4%				53.7	5.6	31.2	5.2	D
78 I-80 EB: I-5 to Truxel Rd	Weave	3,984	79	110.2%	2,207	99	99.6%	1,736	95	101.9%	59.1	0.8	26.2	0.7	D
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	4,458	68	108.1%							62.2	0.3	22.8	0.4	C
80 I-80 EB: Truxel Rd SB On-ramp	Basic	4,459	77	108.1%	580	46	99.4%				61.8	0.4	18.6	0.3	C
81 I-80 EB: Truxel Rd NB On-ramp	Merge	5,043	70	107.1%	355	32	99.2%				62.5	0.2	16.2	0.6	B
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	5,401	78	106.6%							62.7	0.2	20.9	0.5	C
83 I-80 EB: Northgate Blvd Off-ramp	Basic	5,402	83	106.6%				581	48	102.9%	59.4	1.0	21.8	0.5	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
3 to 4 PM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	611	626	102.5%	8.2	2.4	A
	Right Turn	133	109	82.1%	5.0	1.8	A
	Subtotal	744	736	98.9%	7.8	2.1	A
SB	Left Turn	260	244	93.8%	56.5	4.1	E
	Through	427	493	115.6%	6.7	1.4	A
	Right Turn						
	Subtotal	687	737	107.3%	23.8	2.2	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	331	268	80.9%	111.7	8.5	F
	Through						
	Right Turn	141	114	80.9%	77.3	9.0	E
	Subtotal	472	382	80.9%	101.7	8.5	F
Total		1,903	1,855	97.5%	32.8	2.7	C

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	141	156	110.5%	52.4	7.6	D
	Through	24	18	76.7%	27.8	16.9	C
	Right Turn	46	33	71.1%	15.5	8.5	B
	Subtotal	211	207	98.1%	44.3	6.3	D
SB	Left Turn	33	33	98.5%	45.9	13.4	D
	Through	10	11	109.0%	39.7	23.8	D
	Right Turn	110	109	99.4%	12.2	3.7	B
	Subtotal	153	153	99.8%	21.3	5.3	C
EB	Left Turn	183	185	101.1%	60.4	4.9	E
	Through	526	521	99.0%	17.8	6.8	B
	Right Turn	56	57	102.5%	10.7	5.7	B
	Subtotal	765	763	99.8%	28.4	5.1	C
WB	Left Turn	20	22	108.5%	58.2	11.3	E
	Through	465	456	98.1%	32.1	6.0	C
	Right Turn	30	31	103.3%	9.1	4.9	A
	Subtotal	515	509	98.8%	32.0	5.9	C
Total		1,644	1,632	99.3%	30.9	3.7	C

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
3 to 4 PM

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	53	56	104.9%	31.8	23.6	C
	Through	947	946	99.9%	16.7	17.8	B
	Right Turn	9	12	128.9%	6.0	3.9	A
	Subtotal	1,009	1,013	100.4%	17.3	17.8	B
SB	Left Turn	35	36	101.7%	24.8	12.4	C
	Through	380	373	98.0%	8.0	1.9	A
	Right Turn	66	63	95.6%	4.1	1.4	A
	Subtotal	481	471	98.0%	8.7	2.2	A
EB	Left Turn	100	98	97.9%	20.3	9.4	C
	Through	3	2	76.7%	4.9	10.7	A
	Right Turn	18	19	103.9%	5.9	0.7	A
	Subtotal	121	119	98.3%	18.1	8.1	B
WB	Left Turn	13	14	104.6%	20.8	5.1	C
	Through	1	1	70.0%	2.4	3.9	A
	Right Turn	5	5	98.0%	4.8	2.9	A
	Subtotal	19	19	101.1%	16.7	5.3	B
Total		1,630	1,622	99.5%	14.6	12.0	B

Intersection 7 Enterprise Blvd/I-80 EB Ramps Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	837	831	99.3%	23.4	15.3	C
	Through	215	217	101.0%	4.1	1.8	A
	Right Turn						
	Subtotal	1,052	1,048	99.6%	19.8	12.5	B
SB	Left Turn						
	Through	227	236	104.0%	21.9	8.9	C
	Right Turn	212	193	91.0%	55.9	90.1	E
	Subtotal	439	429	97.7%	36.2	40.9	D
EB	Left Turn	84	77	91.9%	26.5	5.9	C
	Through						
	Right Turn	254	237	93.1%	9.0	1.5	A
	Subtotal	338	314	92.8%	13.3	2.4	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,829	1,791	97.9%	22.5	16.8	C

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
3 to 4 PM

Intersection 8                      Driveway-I-80 WB Ramps/W Capitol Ave                      Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	362	358	98.9%	14.3	1.4	B
	Through	42	45	106.9%	15.3	3.5	B
	Right Turn	60	64	106.7%	1.4	0.2	A
	Subtotal	464	467	100.6%	12.7	1.3	B
SB	Left Turn	6	7	110.0%	19.6	13.5	B
	Through						
	Right Turn	21	22	104.8%	9.1	1.4	A
	Subtotal	27	29	105.9%	12.0	3.2	B
EB	Left Turn	84	75	89.2%	28.9	5.2	C
	Through	147	150	101.7%	9.4	2.5	A
	Right Turn	83	81	98.0%	1.8	0.5	A
	Subtotal	314	306	97.4%	12.2	2.3	B
WB	Left Turn						
	Through	217	222	102.3%	16.0	1.9	B
	Right Turn	6	5	80.0%	4.6	4.8	A
	Subtotal	223	227	101.7%	15.9	1.8	B
Total		1,028	1,028	100.0%	13.3	1.2	B

Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
 4 to 5 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	2,047	2,013	98.4%	42	1,941	2,104	0.7	36.9	3.8	33.7	46.2	D
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,769	1,785	100.9%	35	1,752	1,862	0.4	29.4	2.7	25.6	34.4	C
6 Enterprise Blvd/Lake Rd	Signal	1,681	1,660	98.7%	35	1,606	1,711	0.5	17.1	15.7	6.5	60.6	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,932	1,897	98.2%	42	1,818	1,937	0.8	25.5	20.7	11.7	64.0	C
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,277	1,256	98.3%	28	1,202	1,300	0.6	16.1	13.0	10.8	53.1	B

Network Summary

Total Demand Volume (veh/hr)	8,706
Total Volume Served (veh/hr)	8,611
Percent Served	98.9%
GEH Statistic	1.0

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
4 to 5 PM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	657	692	105.3%	10.2	2.9	B
	Right Turn	143	117	82.0%	8.8	3.5	A
	Subtotal	800	809	101.1%	10.0	2.8	A
SB	Left Turn	280	251	89.8%	59.9	4.1	E
	Through	459	526	114.5%	9.6	2.7	A
	Right Turn						
	Subtotal	739	777	105.1%	25.2	1.3	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	356	299	84.0%	112.2	18.4	F
	Through						
	Right Turn	152	129	84.5%	79.4	12.9	E
	Subtotal	508	428	84.2%	102.3	16.7	F
Total		2,047	2,013	98.4%	36.9	3.8	D

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	152	178	117.2%	50.9	5.2	D
	Through	26	19	71.2%	31.7	16.7	C
	Right Turn	50	39	77.0%	13.3	6.0	B
	Subtotal	228	235	103.1%	43.8	5.2	D
SB	Left Turn	35	33	94.3%	57.1	17.1	E
	Through	11	11	95.5%	32.2	38.2	C
	Right Turn	118	123	104.2%	10.2	4.0	B
	Subtotal	164	167	101.5%	21.5	6.8	C
EB	Left Turn	197	196	99.4%	52.6	7.8	D
	Through	566	570	100.6%	19.0	5.0	B
	Right Turn	60	58	97.0%	12.3	4.6	B
	Subtotal	823	824	100.1%	26.0	4.6	C
WB	Left Turn	22	23	103.6%	65.4	18.0	E
	Through	500	502	100.3%	31.7	4.7	C
	Right Turn	32	35	109.4%	6.8	2.2	A
	Subtotal	554	559	101.0%	31.5	3.9	C
Total		1,769	1,785	100.9%	29.5	2.9	C

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
4 to 5 PM

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	35	38	107.7%	34.3	26.6	C
	Through	972	950	97.7%	21.2	24.5	C
	Right Turn	14	14	102.1%	11.2	13.1	B
	Subtotal	1,021	1,002	98.1%	21.5	24.3	C
SB	Left Turn	29	33	114.1%	27.7	7.3	C
	Through	483	469	97.2%	6.2	2.2	A
	Right Turn	51	55	108.2%	3.6	2.2	A
	Subtotal	563	558	99.0%	7.3	2.2	A
EB	Left Turn	67	70	104.6%	23.1	8.4	C
	Through	1	1	100.0%	2.2	4.7	A
	Right Turn	12	12	97.5%	5.3	1.2	A
	Subtotal	80	83	103.5%	20.4	5.8	C
WB	Left Turn	6	5	88.3%	18.6	14.2	B
	Through	1	1	80.0%	10.6	17.7	B
	Right Turn	10	11	113.0%	7.3	2.0	A
	Subtotal	17	17	102.4%	14.2	5.6	B
Total		1,681	1,660	98.7%	17.1	15.7	B

Intersection 7 Enterprise Blvd/I-80 EB Ramps Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	772	760	98.4%	25.8	15.9	C
	Through	277	278	100.4%	3.5	0.8	A
	Right Turn						
	Subtotal	1,049	1,038	98.9%	20.0	11.7	B
SB	Left Turn						
	Through	244	246	100.8%	45.2	75.3	D
	Right Turn	216	205	95.0%	108.1	188.2	F
	Subtotal	460	451	98.1%	75.7	129.6	E
EB	Left Turn	104	97	93.6%	24.2	4.6	C
	Through						
	Right Turn	319	311	97.5%	8.6	0.8	A
	Subtotal	423	408	96.5%	11.9	1.6	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,932	1,897	98.2%	25.8	21.2	C



Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
4 to 5 PM

Intersection 8

Driveway-I-80 WB Ramps/W Capitol Ave

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	289	292	100.9%	20.2	20.3	C
	Through	45	43	95.6%	20.8	20.0	C
	Right Turn	65	63	96.9%	2.4	4.5	A
	Subtotal	399	398	99.7%	17.6	18.3	B
SB	Left Turn	6	6	103.3%	17.6	14.6	B
	Through						
	Right Turn	23	24	102.2%	8.8	1.3	A
	Subtotal	29	30	102.4%	11.3	2.9	B
EB	Left Turn	91	79	86.7%	23.2	6.7	C
	Through	159	165	103.8%	8.9	1.2	A
	Right Turn	150	149	99.3%	2.0	0.5	A
	Subtotal	400	393	98.2%	8.9	1.6	A
WB	Left Turn						
	Through	442	428	96.9%	21.5	18.7	C
	Right Turn	7	7	104.3%	29.8	65.4	C
	Subtotal	449	436	97.0%	21.5	19.1	C
Total		1,277	1,256	98.3%	16.1	13.0	B

Vissim Post-Processor  
Average Results from 10 Runs  
Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
5 to 6 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	2,059	2,054	99.8%	64	1,922	2,139	0.1	40.3	5.7	30.8	50.3	D
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,686	1,709	101.3%	44	1,650	1,764	0.5	28.0	3.0	24.1	31.7	C
6 Enterprise Blvd/Lake Rd	Signal	1,536	1,527	99.4%	40	1,456	1,592	0.2	12.1	1.4	9.2	14.1	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,782	1,772	99.4%	40	1,690	1,841	0.2	16.5	6.6	10.4	30.0	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,530	1,513	98.9%	25	1,476	1,546	0.4	16.2	1.5	13.8	18.1	B

Network Summary

Total Demand Volume (veh/hr)	8,593
Total Volume Served (veh/hr)	8,575
Percent Served	99.8%
GEH Statistic	0.2

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
5 to 6 PM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	690	705	102.1%	14.8	2.7	B
	Right Turn	123	102	82.6%	12.0	2.1	B
	Subtotal	813	806	99.2%	14.4	2.4	B
SB	Left Turn	302	291	96.3%	57.5	6.1	E
	Through	432	428	99.0%	9.0	2.7	A
	Right Turn						
	Subtotal	734	719	97.9%	27.8	3.6	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	351	363	103.3%	100.9	18.3	F
	Through						
	Right Turn	161	167	103.7%	72.2	15.3	E
	Subtotal	512	530	103.4%	92.3	17.2	F
<b>Total</b>		<b>2,059</b>	<b>2,054</b>	<b>99.8%</b>	<b>40.3</b>	<b>5.7</b>	<b>D</b>

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	109	126	115.8%	54.4	6.8	D
	Through	27	18	66.3%	50.8	16.6	D
	Right Turn	44	28	63.4%	19.2	7.4	B
	Subtotal	180	172	95.6%	47.2	6.6	D
SB	Left Turn	40	42	105.0%	59.4	17.5	E
	Through	11	11	99.1%	41.8	28.8	D
	Right Turn	143	142	99.0%	12.0	3.4	B
	Subtotal	194	195	100.3%	22.3	4.2	C
EB	Left Turn	173	177	102.0%	57.2	7.4	E
	Through	562	570	101.4%	13.8	3.2	B
	Right Turn	43	44	101.9%	12.0	5.5	B
	Subtotal	778	790	101.6%	24.3	3.0	C
WB	Left Turn	26	28	105.8%	53.4	16.9	D
	Through	484	501	103.6%	29.0	7.8	C
	Right Turn	24	23	96.7%	6.0	3.0	A
	Subtotal	534	552	103.4%	29.1	7.6	C
<b>Total</b>		<b>1,686</b>	<b>1,709</b>	<b>101.3%</b>	<b>28.0</b>	<b>3.0</b>	<b>C</b>

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
5 to 6 PM

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	40	38	96.0%	23.8	4.5	C
	Through	763	757	99.2%	12.3	1.6	B
	Right Turn	11	11	101.8%	4.7	1.6	A
	Subtotal	814	807	99.1%	12.7	1.6	B
SB	Left Turn	21	23	111.4%	23.7	2.6	C
	Through	529	525	99.3%	8.7	2.5	A
	Right Turn	55	58	105.6%	4.8	2.7	A
	Subtotal	605	607	100.3%	9.0	2.3	A
EB	Left Turn	75	74	98.5%	22.6	3.6	C
	Through	8	7	92.5%	18.1	9.9	B
	Right Turn	10	9	89.0%	6.6	3.0	A
	Subtotal	93	90	97.0%	20.7	3.4	C
WB	Left Turn	5	5	106.0%	23.5	14.4	C
	Through	7	6	85.7%	22.1	12.5	C
	Right Turn	12	13	104.2%	8.2	3.2	A
	Subtotal	24	24	99.2%	16.6	3.9	B
Total		1,536	1,527	99.4%	12.1	1.4	B

Intersection 7 Enterprise Blvd/I-80 EB Ramps Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	600	598	99.7%	20.0	6.9	B
	Through	250	256	102.6%	4.7	1.0	A
	Right Turn						
	Subtotal	850	855	100.6%	15.6	5.1	B
SB	Left Turn						
	Through	242	245	101.3%	19.1	3.8	B
	Right Turn	166	166	99.8%	25.3	28.8	C
	Subtotal	408	411	100.7%	22.1	14.5	C
EB	Left Turn	161	145	89.9%	22.0	2.5	C
	Through						
	Right Turn	363	362	99.6%	9.5	2.2	A
	Subtotal	524	506	96.6%	12.8	2.1	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,782	1,772	99.4%	16.5	6.6	B

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
5 to 6 PM

Intersection 8                      Driveway-I-80 WB Ramps/W Capitol Ave                      Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	319	327	102.6%	19.3	2.8	B
	Through	52	53	102.1%	20.7	4.0	C
	Right Turn	38	36	93.7%	1.4	0.4	A
	Subtotal	409	416	101.7%	17.8	2.4	B
SB	Left Turn	9	8	88.9%	31.9	13.5	C
	Through						
	Right Turn	18	18	99.4%	11.1	2.5	B
	Subtotal	27	26	95.9%	17.2	5.2	B
EB	Left Turn	55	53	95.8%	27.4	4.2	C
	Through	155	148	95.4%	9.9	2.4	A
	Right Turn	213	211	99.0%	2.9	0.8	A
	Subtotal	423	411	97.3%	8.0	1.0	A
WB	Left Turn						
	Through	667	656	98.3%	19.7	1.9	B
	Right Turn	4	4	102.5%	14.8	13.6	B
	Subtotal	671	660	98.3%	19.7	2.0	B
Total		1,530	1,513	98.9%	16.2	1.5	B

Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
 6 to 7 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
4 Richards Blvd/I-80 EB Ramps	Signal	1,773	1,831	103.3%	29	1,794	1,883	1.4	32.0	9.8	23.2	54.7	C
5 Research Park Dr/Richards Blvd-Cowell Blvd	Signal	1,451	1,498	103.2%	25	1,456	1,531	1.2	27.5	1.7	25.2	30.6	C
6 Enterprise Blvd/Lake Rd	Signal	992	1,051	106.0%	26	1,023	1,103	1.9	7.2	1.9	4.8	9.8	A
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,178	1,250	106.1%	34	1,204	1,319	2.1	13.0	0.8	12.3	14.5	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	840	874	104.1%	34	823	926	1.2	11.3	0.7	10.3	12.7	B

Network Summary	
Total Demand Volume (veh/hr)	6,234
Total Volume Served (veh/hr)	6,505
Percent Served	104.4%
GEH Statistic	3.4

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

**Intersection 4**                      **Richards Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	594	574	96.5%	14.2	3.2	B
	Right Turn	106	112	105.7%	11.1	3.0	B
	Subtotal	700	686	97.9%	13.7	3.1	B
SB	Left Turn	260	270	103.7%	60.2	3.6	E
	Through	372	369	99.2%	9.4	1.2	A
	Right Turn						
	Subtotal	632	639	101.1%	30.1	2.0	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	302	347	114.9%	62.9	25.6	E
	Through						
	Right Turn	139	160	115.3%	30.5	24.8	C
	Subtotal	441	507	115.0%	53.8	24.9	D
Total		1,773	1,831	103.3%	32.0	9.8	C

**Intersection 5**                      **Research Park Dr/Richards Blvd-Cowell Blvd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	94	115	122.3%	52.2	8.4	D
	Through	23	18	76.1%	45.2	11.9	D
	Right Turn	38	27	71.3%	14.7	7.2	B
	Subtotal	155	160	103.0%	45.6	7.3	D
SB	Left Turn	34	32	94.4%	58.2	11.9	E
	Through	9	9	98.9%	38.6	18.6	D
	Right Turn	123	121	98.5%	11.4	3.7	B
	Subtotal	166	162	97.7%	22.4	4.5	C
EB	Left Turn	149	148	99.3%	60.5	7.8	E
	Through	484	532	109.8%	14.1	3.6	B
	Right Turn	37	37	98.9%	7.5	4.0	A
	Subtotal	670	716	106.9%	24.2	3.5	C
WB	Left Turn	22	24	109.5%	60.7	10.6	E
	Through	417	417	100.0%	26.8	1.7	C
	Right Turn	21	19	89.5%	4.0	1.8	A
	Subtotal	460	460	100.0%	27.9	1.1	C
Total		1,451	1,498	103.2%	27.5	1.7	C

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	30	32	105.7%	15.3	4.2	B
	Through	430	432	100.5%	6.8	2.1	A
	Right Turn	6	7	108.3%	3.5	4.0	A
	Subtotal	466	470	100.9%	7.4	2.3	A
SB	Left Turn	25	25	101.6%	11.4	3.3	B
	Through	386	439	113.8%	6.2	1.5	A
	Right Turn	42	46	109.5%	3.1	2.1	A
	Subtotal	453	511	112.7%	6.1	1.6	A
EB	Left Turn	58	59	100.9%	16.1	1.8	B
	Through						
	Right Turn	9	7	81.1%	5.0	2.8	A
	Subtotal	67	66	98.2%	15.4	1.4	B
WB	Left Turn	1	1	70.0%	3.2	5.6	A
	Through						
	Right Turn	5	4	80.0%	3.4	3.0	A
	Subtotal	6	5	78.3%	5.9	4.4	A
Total		992	1,051	106.0%	7.3	1.9	A

Intersection 7 Enterprise Blvd/I-80 EB Ramps Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	379	379	100.1%	16.7	1.9	B
	Through	114	119	104.5%	5.6	1.6	A
	Right Turn						
	Subtotal	493	498	101.1%	14.2	1.5	B
SB	Left Turn						
	Through	162	175	108.3%	15.0	2.2	B
	Right Turn	98	97	99.1%	9.6	1.0	A
	Subtotal	260	273	104.8%	12.9	1.5	B
EB	Left Turn	134	145	107.9%	17.9	2.5	B
	Through						
	Right Turn	291	335	115.1%	9.2	0.8	A
	Subtotal	425	480	112.8%	11.7	1.1	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,178	1,250	106.1%	13.0	0.8	B



Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

Intersection 8                      Driveway-I-80 WB Ramps/W Capitol Ave                      Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	345	357	103.4%	12.9	1.9	B
	Through	35	35	99.4%	12.9	4.1	B
	Right Turn	25	27	106.0%	1.3	0.8	A
	Subtotal	405	418	103.2%	12.2	1.7	B
SB	Left Turn	6	7	121.7%	24.0	12.9	C
	Through						
	Right Turn	12	14	113.3%	8.6	3.0	A
	Subtotal	18	21	116.1%	12.6	4.0	B
EB	Left Turn	37	37	100.8%	19.6	6.0	B
	Through	127	145	114.5%	9.3	2.6	A
	Right Turn	92	88	95.7%	1.6	0.6	A
	Subtotal	256	271	105.7%	8.1	1.4	A
WB	Left Turn						
	Through	158	160	101.1%	14.1	2.5	B
	Right Turn	3	5	163.3%	3.2	3.5	A
	Subtotal	161	165	102.3%	13.9	2.4	B
Total		840	874	104.1%	11.3	0.7	B

**Vissim Post-Processor**  
**Average Results from 10 Runs**  
**Network Statistics**

**I-80/US 50 Managed Lanes**  
**Existing Conditions**  
**PM Peak Period**

Performance Measure	Vehicle Types	Average	Std. Dev.	Minimum	Maximum
Average Delay (seconds)	All	231.3	11.51	208.8	242.7
Total Delay (hours)	All	7,260	374	6,516	7,657
Average Stopped Delay (seconds)	All	15.9	1.20	13.9	17.9
Total Stopped Delay (hours)	All	498	38	435	559
Total Distance Traveled (miles)	All	566,940	2,343	563,863	570,954
Average Speed (mph)	All	34.5	0.77	33.8	36.1
Average Number of Stops	All	8.9	0.75	7.7	10.1
Total Number of Stops	All	1,009,512	85,692	865,644	1,143,127
Total Travel Time (hours)	All	16,442.3	395.5	15,658.1	16,909.6
Vehicles Active	All	1,976	113	1,839	2,261
Vehicles Arrived	All	111,019	355	110,382	111,530

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

AM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
US 50 WB: 26th St Off to SR 99 On	Mainline	5,249	5,247	-2.3	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
US 50 WB: SR 99 On	On	2,383	2,378	-4.4	-0.2%	0.1	+/- 15%	Yes	< 5	Yes
US 50 WB: SR 99 On to SR 51 On	Mainline	7,632	7,622	-10.0	-0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: SR 51 On	On	1,034	1,059	25.1	2.4%	0.8	+/- 15%	Yes	< 5	Yes
US 50 WB: SR 51/99 to 16th St	Mainline	8,666	8,681	15.1	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 16th St Off	Off	821	821	-0.3	0.0%	0.0	+/- 15%	Yes	< 5	Yes
US 50 WB: 16th St Off to 10th St Off	Mainline	7,845	7,861	15.9	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 10th St Off	Off	957	952	-5.2	-0.5%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: 10th St Off to 15th St On	Mainline	6,888	6,910	22.0	0.3%	0.3	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 15th St On	On	570	570	0.2	0.0%	0.0	+/- 100 vph	Yes	< 5	Yes
US 50 WB: 15th St to I-5	Mainline	7,458	7,480	22.2	0.3%	0.3	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 Off	Off	3,125	3,110	-15.4	-0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 NB Off	Off	2,450	2,440	-9.8	-0.4%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: I-5 SB Off	Off	675	670	-5.6	-0.8%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 WB: I-5 Off to 5th St On	Mainline	4,333	4,371	38.0	0.9%	0.6	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 5th St On	On	188	189	0.7	0.4%	0.0	+/- 100 vph	Yes	< 5	Yes
US 50 WB: 5th St On to I-5 On	Mainline	4,521	4,559	38.4	0.8%	0.6	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 SB On	On	266	263	-3.0	-1.1%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 WB: I-5 NB On	On	1,211	1,215	4.4	0.4%	0.1	+/- 15%	Yes	< 5	Yes
US 50 WB: I-5 On	On	1,477	1,478	1.4	0.1%	0.0	+/- 15%	Yes	< 5	Yes
US 50 WB: I-5 to Jefferson Blvd	Mainline	5,998	6,037	38.6	0.6%	0.5	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd/Delta Ln Off	Off	1,291	1,272	-18.1	-1.4%	0.5	+/- 15%	Yes	< 5	Yes
US 50 WB: Delta Ln Off	Off	500	489	-11.1	-2.2%	0.5	+/- 100 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd Off	Off	791	784	-7.0	-0.9%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: Jefferson Blvd Off to On	Mainline	4,708	4,765	57.9	1.2%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd On	On	229	231	2.0	0.9%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 WB: Tower Bridge Gateway On	On	148	145	-2.9	-2.0%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 WB: TBG/Jefferson Blvd On	On	376	375	-0.9	-0.2%	0.0	+/- 100 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd to Harbor Blvd	Mainline	5,084	5,141	56.9	1.1%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd Off	Off	1,496	1,499	3.6	0.2%	0.1	+/- 15%	Yes	< 5	Yes
US 50 WB: Harbor Blvd Off to NB On	Mainline	3,588	3,643	54.5	1.5%	0.9	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd NB On	On	374	371	-3.3	-0.9%	0.2	+/- 100 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd NB On to SB On	Mainline	3,962	4,013	50.7	1.3%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd SB On	On	193	191	-1.5	-0.8%	0.1	+/- 100 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd to I-80	Mainline	4,155	4,204	49.5	1.2%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-80 Off	Off	1,117	1,106	-10.8	-1.0%	0.3	+/- 15%	Yes	< 5	Yes
US 50 WB: I-80 Off to On	Mainline	3,038	3,092	54.8	1.8%	1.0	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-80 On	On	2,533	2,533	-0.3	0.0%	0.0	+/- 15%	Yes	< 5	Yes

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

AM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 WB: I-80 to W Capitol Ave	Mainline	5,571	5,625	54.4	1.0%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave Off	Off	766	768	1.7	0.2%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: W Capitol Ave Off to EB On	Mainline	4,804	4,843	39.2	0.8%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave EB On	On	245	243	-1.8	-0.7%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave EB On to WB On	Mainline	5,049	5,085	35.7	0.7%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave WB On	On	548	540	-7.5	-1.4%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave to County Rd 32A	Mainline	5,597	5,623	26.6	0.5%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A Off	Off	192	190	-1.6	-0.8%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A Off to On	Mainline	5,405	5,430	25.0	0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A On	On	16	16	0.1	0.3%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A to Mace Blvd	Mainline	5,421	5,442	21.1	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Mace Blvd Off	Off	774	767	-6.6	-0.8%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: Mace Blvd Off to On	Mainline	4,647	4,673	25.4	0.5%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Mace Blvd On	On	422	419	-2.4	-0.6%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Mace Blvd to Olive Dr	Mainline	5,069	5,089	20.3	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Olive Dr Off	Off	191	188	-2.9	-1.5%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Olive Dr to Richards Blvd	Mainline	4,878	4,900	21.9	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd NB Off	Off	273	266	-7.6	-2.8%	0.5	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd NB Off to On	Mainline	4,605	4,633	28.0	0.6%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd NB On	On	302	297	-4.8	-1.6%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd NB On to SB Off	Mainline	4,907	4,930	23.1	0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd SB Off	Off	105	101	-3.3	-3.2%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd SB Off to On	Mainline	4,802	4,827	24.3	0.5%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd SB On	On	136	140	4.1	3.0%	0.4	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd to Old Davis Rd	Mainline	4,938	4,962	24.1	0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd Off	Off	335	338	2.5	0.7%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd Off to SR 113 Off	Mainline	4,603	4,623	20.6	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: SR 113 Off	Off	797	781	-15.7	-2.0%	0.6	+/- 15%	Yes	< 5	Yes
I-80 WB: SR 113 Off to Old Davis Rd On	Mainline	3,806	3,839	32.9	0.9%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd On	On	35	35	-0.5	-1.6%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd On to SR 113 On	Mainline	3,841	3,871	30.0	0.8%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: SR 113 On	On	766	762	-4.4	-0.6%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: SR 113 to Kidwell Rd	Mainline	4,607	4,633	25.6	0.6%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd Off	Off	46	44	-1.2	-2.6%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd Off to On	Mainline	4,562	4,584	22.5	0.5%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd On	On	20	19	-0.5	-2.7%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd to Pedrick Rd	Mainline	4,581	4,602	20.5	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Pedrick Rd Off	Off	154	157	3.3	2.1%	0.3	+/- 100 vph	Yes	< 5	Yes

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

AM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 WB: Pedrick Rd Off to On	Mainline	4,428	4,445	17.3	0.4%	0.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Northgate Blvd NB On to SB On	Mainline	6,180	6,181	1.0	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Northgate Blvd SB On	On	379	379	-0.4	-0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Northgate Blvd to Truxel Rd	Mainline	6,559	6,560	0.5	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd Off	Off	830	836	6.7	0.8%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: Truxel Rd Off to NB On	Mainline	5,729	5,718	-11.3	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd NB On	On	288	286	-1.6	-0.5%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd NB On to SB On	Mainline	6,017	6,004	-12.9	-0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd SB On	On	892	887	-4.8	-0.5%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: Truxel Rd to I-5	Mainline	6,908	6,891	-17.8	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 Off	Off	3,150	3,141	-8.3	-0.3%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 NB Off	Off	906	903	-2.6	-0.3%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: I-5 SB Off	Off	2,244	2,238	-5.8	-0.3%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: I-5 Off to NB On	Mainline	3,759	3,748	-11.3	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 NB On	On	89	88	-0.5	-0.6%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: I-5 NB On to SB On	Mainline	3,848	3,836	-12.0	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 SB On	On	841	843	1.9	0.2%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: I-5 to W El Camino Ave	Mainline	4,689	4,679	-10.1	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave Off	Off	585	586	0.8	0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave Off to WB On	Mainline	4,104	4,094	-9.3	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave WB On	On	312	311	-0.9	-0.3%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave WB On to EB On	Mainline	4,416	4,405	-10.4	-0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave EB On	On	387	388	0.6	0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave to Reed Ave	Mainline	4,802	4,794	-8.4	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Reed Ave Off	Off	1,324	1,319	-5.3	-0.4%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: Reed Ave to On	Mainline	3,478	3,475	-2.6	-0.1%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Reed Ave On	On	270	273	2.3	0.9%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Reed Ave to US 50	Mainline	3,748	3,748	-0.5	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 WB: US 50 Off	Off	1,216	1,217	1.3	0.1%	0.0	+/- 15%	Yes	< 5	Yes
Total		287,512	288,319	807.4	0.3%	1.5	+/- 5%	Yes	<4	Yes

All Link Flows			
Link Flow Criteria		Link GEH Criteria	
Measure	% Cases	Measure	% Cases
> 85%	100%	> 85%	100%

VISSIM Post-Processor  
 Average Results from 10 Runs  
 Travel Time

I-80/US 50 Managed Lanes  
 Existing Conditions  
 AM Peak Period

Location	Time	Travel Time (min)		Difference	
		Measured	Modeled	Minutes	Percent
I-80 Westbound: US 50 to Kidwell Rd	6:00 AM	12.3	13.7	-1.41	-11.4%
	7:00 AM	12.4	17.0	-4.60	-37.0%
	8:00 AM	13.1	16.0	-2.89	-22.1%
	9:00 AM	13.2	13.9	-0.74	-5.6%
US 50 Westbound: SR 51 to I-80	6:00 AM	4.1	4.3	-0.20	-4.8%
	7:00 AM	4.5	4.5	-0.03	-0.7%
	8:00 AM	4.5	4.5	0.01	0.2%
	9:00 AM	4.3	4.4	-0.08	-1.8%
I-80 Westbound: Truxel Rd to US 50	6:00 AM	3.7	3.8	-0.07	-1.9%
	7:00 AM	4.2	3.9	0.27	6.4%
	8:00 AM	4.1	4.1	0.06	1.6%
	9:00 AM	3.7	3.7	0.03	0.9%



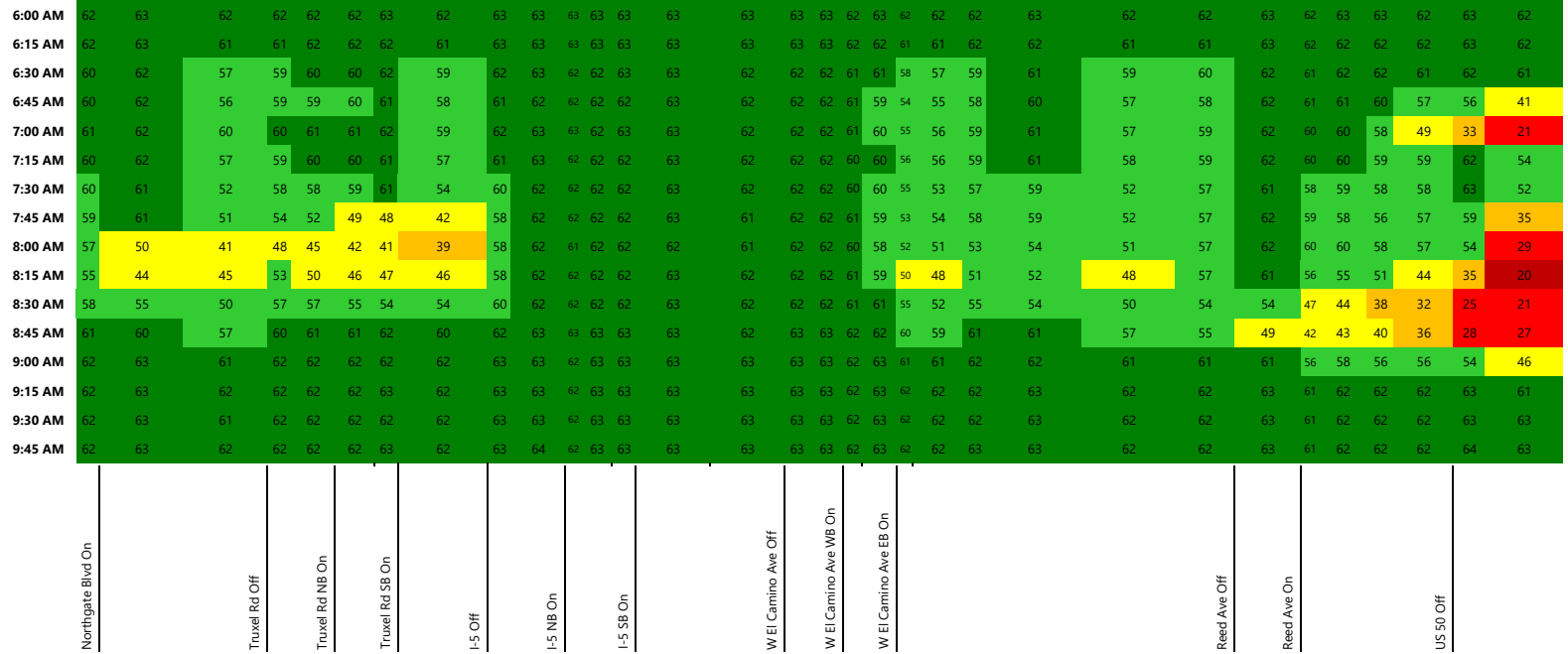
VISSIM Post-Processor  
Average Results from 10 Runs  
Average Link Speed

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period

I-80 Westbound - Modeled

Direction of Travel

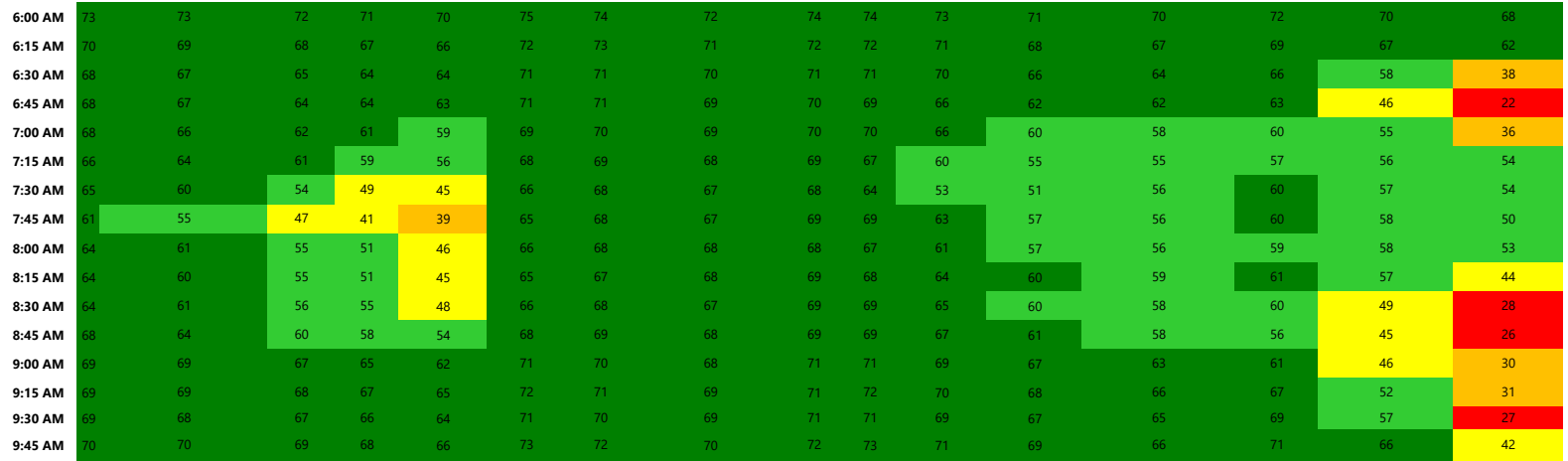
Modeled



I-80 Westbound - Observed

Direction of Travel

Observed





VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	5,013	144	99.5%	2,691	85	102.5%				54.4	10.8	35.5	9.1	E
102 US 50 WB: SR 51 to 16th St	Weave	7,702	109	100.5%	907	59	113.7%				55.5	6.2	31.3	4.8	D
103 US 50 WB: 10th St Off-Ramp	Diverge	7,976	102	101.7%				640	48	100.3%	55.3	2.6	29.3	2.1	D
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	7,336	100	101.8%							60.0	0.9	25.4	0.7	C
105 US 50 WB: 15th St to I-5	Weave	7,336	104	101.8%	372	39	98.3%	3,127	99	100.8%	60.6	1.1	22.3	0.8	C
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,570	71	101.9%							62.6	0.4	19.3	0.5	B
107 US 50 WB: 5th St On-Ramp	Merge	4,566	70	101.8%	102	22	96.5%				62.5	0.3	17.0	0.6	B
108 US 50 WB: I-5 On-Ramp	Merge	4,664	105	101.6%	1,540	83	100.2%				58.5	2.8	23.0	0.8	C
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	6,199	106	101.2%				822	53	98.9%	52.2	12.9	33.2	12.1	D
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	5,375	91	101.5%							59.2	1.1	32.1	0.9	D
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	5,374	72	101.5%	329	42	98.9%				62.2	0.2	21.8	0.6	C
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	5,698	70	101.2%							61.6	0.4	24.3	0.6	C
113 US 50 WB: Lane Add to Harbor Blvd	Basic	5,696	68	101.2%							61.6	0.3	19.5	0.4	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	5,694	80	101.2%				1,693	90	100.9%	62.3	0.3	18.9	0.4	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	4,003	57	101.3%							63.0	0.3	16.6	0.3	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	4,003	57	101.3%	278	27	99.3%				62.2	0.1	14.2	0.2	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	4,279	63	101.1%	184	25	98.7%				62.5	0.3	10.3	0.5	B
118 US 50 WB: I-80 EB Off-Ramp	Basic	4,461	67	101.0%				1,053	58	99.0%	62.7	0.4	14.6	0.5	B
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	3,406	45	101.6%							37.0	14.8	27.0	10.3	C
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	3,345	89	99.8%							18.7	11.0	70.9	25.9	F
121 I-80 WB: US 50 to W Capitol Ave	Weave	3,294	118	98.3%	2,704	96	92.9%	720	56	94.2%	21.8	4.0	60.3	8.9	F
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	5,197	72	94.5%							24.3	1.3	55.6	2.2	F
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	5,178	59	94.2%							25.5	1.4	71.4	2.7	F
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	5,161	54	93.8%	137	18	97.4%				27.0	1.9	55.7	3.1	F
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	5,286	45	93.7%	332	36	96.5%				36.6	2.3	46.3	2.3	F
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,607	49	93.7%							59.8	0.3	33.0	0.6	D
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	5,586	46	93.3%				165	23	94.8%	58.6	1.9	33.2	1.4	D
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	5,418	45	93.2%							59.3	1.2	32.3	1.0	D
129 I-80 WB: County Rd 32A On-Ramp	Merge	5,414	42	93.2%	24	10	103.0%				57.4	4.1	29.3	2.7	D
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,436	47	93.2%							59.1	0.5	32.3	0.5	D
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	5,406	47	92.7%				704	48	91.9%	58.0	5.3	21.3	2.6	C
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	4,698	48	92.7%							60.9	0.6	27.2	0.6	C
133 I-80 WB: Mace Blvd On-Ramp	Merge	4,685	48	92.4%	223	30	101.0%				59.9	0.5	14.2	0.5	B
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	4,907	44	92.8%							59.8	0.5	21.9	0.6	C
135 I-80 WB: Lane Drop to Olive Dr	Basic	4,906	42	92.7%							60.3	0.5	29.0	0.8	D
136 I-80 WB: Olive Dr Off-Ramp	Diverge	4,891	47	92.5%				68	14	96.2%	60.3	0.4	28.3	0.9	D
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,820	53	92.4%							60.5	0.4	28.3	0.8	D
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	4,820	55	92.4%				152	25	88.9%	59.8	1.5	28.1	1.6	D
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	4,664	55	92.4%							60.5	0.6	27.3	1.0	C
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	4,659	58	92.3%	141	27	96.4%	39	11	90.2%	59.4	0.8	27.2	1.0	C
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	4,754	58	92.3%							59.9	0.8	28.4	0.9	D
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	4,753	57	92.3%	91	19	98.9%				62.2	0.3	20.9	0.6	C
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,834	63	92.2%							62.5	0.2	20.8	0.6	C
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	4,823	71	92.0%				268	32	94.8%	62.6	0.1	13.9	0.7	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	4,552	79	91.8%				507	47	91.0%	62.4	0.3	12.2	0.7	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	4,041	68	91.8%							62.8	0.2	17.4	0.6	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	4,033	66	91.6%	16	7	100.0%				63.0	0.2	12.8	0.6	B
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	4,045	69	91.5%							62.7	0.2	17.4	0.7	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	4,039	70	91.4%	600	51	98.3%	43	13	99.1%	62.7	0.2	16.8	0.7	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	4,579	76	91.9%							62.4	0.3	20.4	0.8	C

Notes: Average density reported for the analysis area only; for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	5,394	170	92.1%	1,994	142	79.5%				24.1	4.1	92.0	8.7	F
102 US 50 WB: SR 51 to 16th St	Weave	7,339	183	87.8%	1,236	85	99.1%				42.5	3.9	39.1	4.2	E
103 US 50 WB: 10th St Off-Ramp	Diverge	7,628	141	88.8%				1,176	61	89.6%	53.6	2.1	27.9	2.2	C
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	6,455	124	88.7%							60.5	0.6	22.2	0.9	C
105 US 50 WB: 15th St to I-5	Weave	6,460	120	88.8%	696	56	97.2%	3,015	152	89.3%	61.3	0.7	19.5	0.7	B
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,147	75	89.9%							63.0	0.3	16.9	0.7	B
107 US 50 WB: 5th St On-Ramp	Merge	4,150	72	90.0%	246	29	101.7%				62.2	0.2	17.5	0.9	B
108 US 50 WB: I-5 On-Ramp	Merge	4,400	98	90.6%	1,461	77	100.0%				57.9	1.3	24.3	1.1	C
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	5,860	87	92.7%				1,373	65	90.5%	56.7	6.2	26.4	3.8	C
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,486	66	93.4%							60.7	0.7	25.7	1.0	C
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	4,504	83	93.8%	400	39	99.9%				62.6	0.3	18.4	0.5	B
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,912	68	94.4%							62.0	0.4	20.4	0.7	C
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,917	69	94.5%							61.8	0.4	16.4	0.6	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	4,921	77	94.6%				1,599	97	94.0%	62.6	0.2	16.0	0.5	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	3,327	64	95.0%							63.4	0.1	13.7	0.6	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	3,328	59	95.1%	528	48	99.2%				60.8	0.2	12.9	0.4	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	3,856	73	95.6%	212	29	102.4%				58.5	6.8	11.7	1.8	B
118 US 50 WB: I-80 EB Off-Ramp	Basic	4,061	160	95.8%				1,341	68	95.5%	40.0	14.2	22.5	7.8	C
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	2,687	176	94.8%							13.1	14.3	72.0	29.3	F
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	2,635	82	92.9%							8.3	0.7	112.3	4.5	F
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,629	154	92.7%	2,742	98	100.8%	861	60	93.2%	14.0	1.3	73.2	4.8	F
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	4,498	75	97.1%							15.0	0.3	71.0	1.1	F
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	4,491	51	97.0%							16.2	0.5	87.7	1.1	F
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	4,484	53	96.8%	351	37	96.9%				18.8	0.6	75.5	1.8	F
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	4,827	49	96.7%	732	49	91.7%				35.6	0.6	51.1	0.7	F
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,558	33	96.0%							60.0	0.4	31.8	0.7	D
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	5,570	49	96.2%				244	35	96.4%	59.2	0.5	31.8	1.1	D
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	5,323	43	96.1%							60.1	0.7	30.7	0.8	D
129 I-80 WB: County Rd 32A On-Ramp	Merge	5,327	45	96.2%	10	6	95.0%				59.8	0.5	28.0	0.5	D
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,342	45	96.3%							59.6	0.5	31.3	0.8	D
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	5,372	50	96.8%				774	54	92.3%	59.8	2.2	20.6	1.0	C
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	4,598	51	97.6%							61.2	0.3	26.7	0.6	C
133 I-80 WB: Mace Blvd On-Ramp	Merge	4,607	65	97.8%	455	37	98.3%				59.1	2.2	12.5	0.7	B
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	5,057	51	97.7%							59.8	0.9	21.9	0.6	C
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,058	51	97.8%							60.4	0.5	29.1	0.6	D
136 I-80 WB: Olive Dr Off-Ramp	Diverge	5,058	49	97.8%				226	30	77.5%	59.4	2.2	29.2	1.4	D
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,828	47	98.9%							60.3	0.7	28.6	0.8	D
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	4,827	49	98.9%				247	32	82.5%	60.2	0.6	28.0	0.9	C
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	4,580	51	99.9%							60.6	0.6	27.5	1.1	C
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	4,585	51	100.1%	310	29	100.0%	83	16	79.0%	59.3	0.5	27.5	1.0	C
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	4,814	50	100.6%							59.5	0.5	29.1	1.1	D
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	4,814	50	100.6%	145	24	102.8%				62.1	0.2	21.4	0.7	C
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,962	61	100.7%							62.5	0.2	21.4	0.7	C
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	4,966	60	100.8%				332	37	94.3%	62.4	0.3	14.6	0.7	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	4,635	64	101.3%				755	55	88.2%	62.5	0.3	12.7	0.4	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	3,883	53	104.4%							62.8	0.2	17.6	0.5	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	3,890	58	104.6%	29	11	100.7%				62.8	0.2	13.2	0.4	B
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	3,923	55	104.6%							62.7	0.2	17.7	0.4	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,924	56	104.7%	1,051	64	99.6%	52	16	82.5%	62.5	0.1	18.1	0.4	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	4,918	66	103.7%							62.4	0.1	20.6	0.5	C

Notes: Average density reported for the analysis area only; for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	5,588	175	105.4%	2,091	157	91.3%				24.2	3.7	86.0	6.7	F
102 US 50 WB: SR 51 to 16th St	Weave	7,681	152	101.2%	1,089	64	98.8%				42.9	3.2	40.1	2.9	E
103 US 50 WB: 10th St Off-Ramp	Diverge	7,797	140	100.3%				1,177	81	103.8%	54.0	2.6	27.4	1.9	C
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	6,618	114	99.7%							60.8	0.6	22.0	1.1	C
105 US 50 WB: 15th St to I-5	Weave	6,619	116	99.7%	676	55	103.5%	3,103	136	101.4%	61.4	0.8	19.6	1.0	B
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,202	76	99.4%							62.8	0.2	16.9	0.6	B
107 US 50 WB: 5th St On-Ramp	Merge	4,202	70	99.4%	239	24	102.1%				62.3	0.3	18.0	0.8	B
108 US 50 WB: I-5 On-Ramp	Merge	4,440	98	99.5%	1,330	63	100.0%				56.4	4.1	26.9	4.4	C
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	5,778	95	99.7%				1,563	78	99.2%	55.4	5.9	26.8	3.4	C
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,215	77	99.9%							61.5	0.8	23.3	1.0	C
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	4,214	76	99.9%	372	39	100.8%				62.6	0.2	16.8	0.9	B
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,586	68	100.0%							62.4	0.3	18.8	0.7	B
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,583	74	99.9%							62.3	0.3	15.0	0.6	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	4,582	84	99.9%				1,390	79	101.2%	62.7	0.3	14.7	0.5	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	3,197	62	99.5%							63.3	0.1	12.8	0.5	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	3,198	63	99.5%	423	36	98.7%				61.4	0.3	11.9	0.6	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	3,622	73	99.5%	204	32	96.3%				54.7	10.1	11.7	4.6	B
118 US 50 WB: I-80 EB Off-Ramp	Basic	3,836	179	99.6%				1,172	69	98.1%	35.1	19.1	29.1	15.7	D
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	2,701	177	101.6%							11.3	9.0	82.6	29.5	F
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	2,814	89	105.9%							9.1	1.1	108.0	9.8	F
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,869	147	107.9%	2,660	131	103.3%	815	66	107.5%	16.2	1.6	72.0	4.7	F
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	4,760	79	106.4%							17.8	0.8	66.1	1.5	F
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	4,769	58	106.6%							18.7	0.9	84.2	2.3	F
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	4,772	53	106.6%	253	23	98.5%				20.9	1.0	68.6	2.4	F
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	5,033	47	106.4%	615	45	105.9%				34.9	0.5	50.6	1.2	F
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,650	43	106.3%							59.9	0.5	31.5	0.5	D
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	5,643	41	106.2%				178	26	107.1%	58.4	2.3	31.8	1.3	D
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	5,474	45	106.4%							59.6	1.0	30.8	0.7	D
129 I-80 WB: County Rd 32A On-Ramp	Merge	5,471	45	106.3%	14	6	99.3%				59.3	2.4	26.2	1.7	C
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,480	51	106.2%							59.5	0.5	30.7	0.5	D
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	5,452	50	105.6%				851	47	103.7%	60.8	0.4	19.7	0.3	B
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	4,607	48	106.1%							61.4	0.2	25.1	0.5	C
133 I-80 WB: Mace Blvd On-Ramp	Merge	4,605	49	106.1%	588	47	100.9%				59.1	2.6	12.7	0.8	B
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	5,200	52	105.6%							59.3	0.7	22.1	0.7	C
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,202	48	105.6%							60.3	0.3	29.1	0.7	D
136 I-80 WB: Olive Dr Off-Ramp	Diverge	5,206	47	105.7%				306	27	110.0%	57.9	3.8	30.5	2.7	D
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,904	50	105.6%							60.0	1.1	27.5	0.9	C
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	4,901	51	105.5%				351	32	99.5%	59.0	3.1	27.6	1.7	C
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	4,547	55	105.9%							60.9	1.4	25.1	1.0	C
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	4,544	54	105.8%	434	31	98.4%	151	19	93.5%	57.3	2.2	26.8	1.0	C
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	4,827	56	105.6%							59.5	1.2	27.4	0.9	C
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	4,828	56	105.6%	152	22	100.1%				62.2	0.3	20.3	0.5	C
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,982	67	105.4%							62.5	0.3	20.1	0.5	C
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	4,981	65	105.4%				424	36	97.8%	62.6	0.2	15.5	0.4	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	4,558	75	106.2%				1,053	53	100.5%	62.8	0.3	12.2	0.3	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	3,503	59	108.0%							63.1	0.2	14.5	0.7	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	3,502	57	108.0%	43	13	94.3%				63.0	0.2	10.7	0.6	B
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	3,545	54	107.8%							63.1	0.1	14.6	0.6	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,550	59	107.9%	793	54	99.1%	41	11	153.0%	63.0	0.2	15.1	0.3	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	4,322	59	106.4%							62.7	0.2	17.7	0.5	B

Notes: Average density reported for the analysis area only; for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	4,992	231	103.9%	2,738	400	130.0%				30.0	8.1	69.1	13.0	F
102 US 50 WB: SR 51 to 16th St	Weave	7,767	162	112.4%	1,004	61	101.6%				46.7	3.2	37.9	3.2	E
103 US 50 WB: 10th St Off-Ramp	Diverge	8,042	166	112.1%							54.6	2.8	29.2	2.6	D
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	7,226	150	112.3%							59.5	1.0	25.0	1.1	C
105 US 50 WB: 15th St to I-5	Weave	7,224	155	112.3%	538	57	100.8%				60.7	0.6	21.9	0.7	C
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,567	104	114.0%							62.6	0.4	18.9	1.0	B
107 US 50 WB: 5th St On-Ramp	Merge	4,566	98	114.0%	168	25	98.5%				62.2	0.3	18.0	0.4	B
108 US 50 WB: I-5 On-Ramp	Merge	4,733	130	113.3%	1,582	83	100.2%				56.9	1.9	26.0	1.8	C
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	6,311	118	109.7%							55.1	6.0	29.8	4.5	D
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,980	93	110.3%							59.9	1.0	28.5	1.5	D
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	4,970	102	110.1%	400	43	99.4%				62.3	0.3	19.8	1.1	B
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	5,370	82	109.2%							62.0	0.4	22.2	1.0	C
113 US 50 WB: Lane Add to Harbor Blvd	Basic	5,368	82	109.1%							61.9	0.4	17.8	0.8	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	5,366	92	109.1%							62.3	0.4	17.5	0.7	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	4,046	68	109.7%							63.0	0.3	16.7	0.7	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	4,043	75	109.6%	254	32	99.4%				62.2	0.3	14.3	0.6	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	4,295	76	108.9%	165	26	99.8%				62.7	0.2	9.2	0.4	A
118 US 50 WB: I-80 EB Off-Ramp	Basic	4,458	80	108.5%							59.9	7.8	15.7	2.6	B
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	3,598	76	108.9%							53.1	19.1	24.0	18.8	C
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	3,586	72	108.5%							48.6	21.6	37.5	31.0	E
121 I-80 WB: US 50 to W Capitol Ave	Weave	3,577	137	108.2%	2,025	126	105.3%				40.0	21.6	40.5	24.2	E
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	4,941	166	107.2%							30.5	13.5	48.4	17.8	F
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	4,944	100	107.2%							25.7	5.4	67.8	12.5	F
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	4,956	84	107.5%	230	33	105.2%				24.0	2.6	60.8	5.4	F
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	5,193	73	107.5%	481	51	102.9%				36.0	2.2	48.6	3.0	F
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,678	50	107.2%							59.7	0.4	32.0	0.9	D
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	5,684	57	107.3%							58.7	1.7	31.8	1.5	D
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	5,505	59	107.5%							59.7	0.8	30.9	1.2	D
129 I-80 WB: County Rd 32A On-Ramp	Merge	5,508	61	107.5%	18	7	100.6%				59.6	0.7	29.8	1.7	D
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,527	65	107.5%							59.5	0.5	31.4	0.6	D
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	5,538	61	107.7%							59.4	2.4	20.2	0.6	C
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	4,792	51	107.2%							60.9	0.4	26.7	0.4	C
133 I-80 WB: Mace Blvd On-Ramp	Merge	4,794	54	107.3%	410	42	97.8%				58.3	2.6	14.6	1.6	B
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	5,204	55	106.4%							59.0	0.7	22.4	0.5	C
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,202	57	106.4%							60.2	0.4	29.4	0.5	D
136 I-80 WB: Olive Dr Off-Ramp	Diverge	5,201	53	106.4%							59.5	1.2	29.5	0.8	D
137 I-80 WB: Olive Dr to Richards Blvd	Basic	5,049	51	105.9%							59.9	0.8	29.0	0.9	D
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	5,052	56	106.0%							58.5	2.0	29.2	1.5	D
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	4,742	55	105.4%							60.3	0.8	27.3	1.0	C
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	4,743	54	105.5%	305	35	97.8%				58.3	1.1	27.4	1.0	C
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	4,912	53	104.5%							59.7	0.6	28.5	1.0	D
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	4,912	51	104.5%	171	25	108.6%				62.2	0.3	21.2	0.6	C
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	5,078	63	104.6%							62.4	0.3	21.1	0.5	C
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	5,077	62	104.5%							62.3	0.6	14.8	0.5	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	4,748	73	103.5%							62.4	0.5	12.8	0.4	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	3,936	59	102.0%							62.9	0.2	16.7	0.5	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	3,930	59	101.9%	50	14	100.4%				62.8	0.2	12.7	0.4	B
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	3,976	59	101.7%							62.9	0.2	16.9	0.4	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,971	66	101.6%	602	62	100.7%				62.7	0.2	16.9	0.5	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	4,525	70	101.5%							62.5	0.2	19.2	0.6	B

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	4,565	67	91.6%	20	9	91.8%				61.3	0.8	15.0	0.9	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,583	61	91.5%							55.9	3.0	22.9	1.7	C
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	4,582	61	91.5%							58.9	1.7	29.0	1.6	D
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	4,576	60	91.4%				159	23	93.8%	60.7	0.4	28.0	1.1	D
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	5,789	71	98.9%	345	31	100.3%	486	47	99.3%	59.2	1.8	29.7	1.8	D
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	5,596	73	98.1%							59.4	1.4	34.1	1.5	D
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	5,583	78	97.8%	372	33	100.3%				59.9	0.8	27.4	1.0	C
164 I-80 WB: Truxel Rd to I-5	Weave	5,942	89	97.8%	643	52	98.9%	2,914	130	97.9%	59.8	0.8	24.4	0.8	C
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	3,639	64	97.0%							62.5	0.3	20.3	0.6	C
166 I-80 WB: I-5 NB On-Ramp	Merge	3,632	60	96.8%	82	18	100.4%				61.8	0.4	17.0	0.5	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	3,704	58	96.6%	798	55	98.6%	336	31	95.9%	62.4	0.3	21.3	0.5	C
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	4,137	60	96.4%							62.0	0.4	23.8	0.7	C
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	4,132	58	96.3%	283	34	98.0%				55.3	4.9	18.4	2.3	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	4,410	78	96.3%	270	33	99.7%				55.3	4.9	18.4	2.3	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	4,668	59	96.2%							58.1	1.8	24.3	1.1	C
172 I-80 WB: Lane Drop to Reed Ave	Basic	4,663	57	96.1%							58.9	1.0	31.9	1.3	D
173 I-80 WB: Reed Ave Off-Ramp	Diverge	4,628	64	95.4%				1,284	66	95.1%	58.4	2.2	32.1	1.8	D
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	3,329	60	95.1%							61.9	0.5	22.0	1.0	C
175 I-80 WB: Reed Ave On-Ramp	Merge	3,320	57	94.8%	184	31	99.1%				61.6	0.9	19.0	1.1	B
176 I-80 WB: Reed Ave to US 50	Basic	3,495	60	94.8%							60.1	4.2	23.6	2.6	C
177 I-80 WB: US 50 Off-Ramp	Diverge	3,491	58	94.7%				739	57	95.2%	57.5	8.2	24.9	5.9	C
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	2,739	36	94.1%							55.9	11.1	21.1	7.2	C
179 I-80 WB: Lane Drop to US 50	Basic	2,733	35	93.8%							40.9	15.2	45.9	17.2	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	4,922	61	103.8%	38	11	102.2%				61.5	0.7	15.3	0.5	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,954	57	103.7%							56.7	2.0	23.0	1.0	C
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	4,956	52	103.7%							58.9	1.1	29.5	1.1	D
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	4,956	55	103.7%				197	31	96.7%	60.5	0.6	28.7	1.0	D
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	6,977	62	96.7%	409	37	99.3%	1,012	66	95.4%	55.9	2.9	34.1	2.6	D
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	6,324	77	96.3%							52.1	10.8	41.2	10.6	E
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	6,311	126	96.1%	347	36	98.4%				48.7	15.0	37.8	15.1	E
164 I-80 WB: Truxel Rd to I-5	Weave	6,626	263	95.7%	1,180	65	98.6%	3,507	137	94.6%	49.3	11.3	34.7	11.8	D
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	4,229	105	95.9%							62.2	0.4	20.6	0.6	C
166 I-80 WB: I-5 NB On-Ramp	Merge	4,229	92	95.9%	74	14	100.0%				61.9	0.4	16.8	0.5	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	4,304	90	96.0%	1,054	64	100.5%	759	64	93.2%	62.3	0.2	21.4	0.4	C
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	4,600	75	97.5%							62.2	0.3	22.9	1.3	C
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	4,603	74	97.6%	415	34	99.9%				53.8	3.8	19.1	2.3	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	5,013	81	97.6%	533	48	99.9%				53.8	3.8	19.1	2.3	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	5,538	68	97.7%							57.2	1.7	24.9	1.2	C
172 I-80 WB: Lane Drop to Reed Ave	Basic	5,539	68	97.7%							55.5	5.6	35.2	5.5	E
173 I-80 WB: Reed Ave Off-Ramp	Diverge	5,527	86	97.5%				1,499	75	97.0%	57.0	2.8	33.3	2.0	D
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	4,034	73	97.9%							61.6	0.5	22.6	1.1	C
175 I-80 WB: Reed Ave On-Ramp	Merge	4,032	58	97.8%	279	33	102.6%				59.3	1.7	22.5	0.7	C
176 I-80 WB: Reed Ave to US 50	Basic	4,312	64	98.2%							56.2	3.6	26.8	2.8	C
177 I-80 WB: US 50 Off-Ramp	Diverge	4,310	62	98.1%				1,571	80	93.9%	49.3	12.7	29.9	10.3	D
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	2,739	43	100.7%							32.9	13.7	33.8	12.5	D
179 I-80 WB: Lane Drop to US 50	Basic	2,742	41	100.8%							21.0	4.1	72.7	13.5	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
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VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	4,330	56	106.6%	8	5	86.7%				62.0	0.5	14.4	0.5	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,346	59	106.8%							59.5	1.4	18.8	0.8	B
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	4,350	49	106.8%							60.7	0.6	24.6	0.8	C
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	4,358	48	107.0%				153	25	118.8%	61.5	0.3	24.3	0.6	C
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	7,074	126	103.9%	380	42	99.4%	1,153	89	105.6%	48.9	7.7	42.0	9.0	E
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	6,364	147	104.4%							45.2	14.7	50.4	19.8	F
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	6,383	217	104.7%	221	28	99.5%				41.9	18.8	48.4	24.6	F
164 I-80 WB: Truxel Rd to I-5	Weave	6,640	328	105.1%	988	72	100.1%	3,378	148	106.9%	45.5	10.9	39.9	13.1	E
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	4,331	107	104.5%							61.8	0.6	21.3	1.1	C
166 I-80 WB: I-5 NB On-Ramp	Merge	4,335	95	104.6%	84	18	102.0%				61.5	0.5	17.5	1.2	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	4,422	92	104.7%	862	65	101.2%	800	64	106.8%	62.3	0.3	21.3	0.9	C
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	4,497	89	103.9%							62.2	0.3	22.2	1.0	C
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	4,499	90	104.0%	339	32	102.3%				49.9	10.2	22.0	7.3	C
170 I-80 WB: W El Camino EB On-Ramp	Merge	4,846	111	104.0%	504	37	100.6%				49.9	10.2	22.0	7.3	C
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	5,362	97	103.9%							50.9	12.4	30.5	11.3	D
172 I-80 WB: Lane Drop to Reed Ave	Basic	5,367	78	104.0%							50.4	11.4	40.4	12.0	E
173 I-80 WB: Reed Ave Off-Ramp	Diverge	5,401	91	104.7%				1,441	80	104.5%	54.5	10.2	35.0	11.2	D
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	3,963	89	104.8%							48.7	20.6	33.6	24.9	D
175 I-80 WB: Reed Ave On-Ramp	Merge	3,963	128	104.8%	295	40	100.6%				43.3	23.2	41.7	34.2	E
176 I-80 WB: Reed Ave to US 50	Basic	4,246	164	104.3%							38.0	20.2	50.9	29.9	F
177 I-80 WB: US 50 Off-Ramp	Diverge	4,246	83	104.2%				1,583	96	105.7%	32.1	18.4	53.5	22.1	F
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	2,659	67	103.3%							24.7	20.4	50.6	21.4	F
179 I-80 WB: Lane Drop to US 50	Basic	2,655	78	103.1%							21.0	15.9	80.8	27.7	F

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
AM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	4,519	73	101.4%	11	6	100.9%				62.0	0.5	13.8	0.5	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,530	62	101.4%							58.2	2.7	20.6	1.5	C
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	4,525	54	101.3%							60.1	1.0	26.6	1.2	C
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	4,517	54	101.1%				117	28	105.6%	60.7	1.3	26.2	0.9	C
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	4,883	65	100.8%	381	36	100.6%	695	49	102.7%	61.8	0.4	20.6	0.7	C
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	4,591	68	100.9%							61.9	0.3	23.2	0.9	C
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	4,595	64	101.0%	204	23	99.8%				61.9	0.4	18.5	0.7	B
164 I-80 WB: Truxel Rd to I-5	Weave	4,807	73	101.1%	738	59	100.5%	2,766	102	100.4%	62.2	0.4	16.5	0.5	B
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	2,792	52	102.2%							63.3	0.3	13.8	0.4	B
166 I-80 WB: I-5 NB On-Ramp	Merge	2,795	50	102.3%	113	20	96.5%				62.4	0.3	12.3	0.3	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	2,912	53	102.2%	659	50	100.4%	448	43	105.2%	63.2	0.2	14.5	0.4	B
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	3,142	54	102.1%							63.1	0.2	15.6	0.5	B
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	3,145	50	102.1%	205	26	97.6%				61.5	0.5	11.7	0.3	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	3,352	51	101.9%	244	32	100.2%				61.5	0.5	11.7	0.3	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	3,605	47	102.1%							62.1	0.4	15.5	0.5	B
172 I-80 WB: Lane Drop to Reed Ave	Basic	3,606	50	102.1%							61.7	0.2	21.0	0.6	C
173 I-80 WB: Reed Ave Off-Ramp	Diverge	3,619	59	102.5%				1,052	71	102.9%	61.3	0.4	22.3	0.8	C
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	2,575	53	102.6%							60.9	6.2	15.8	2.5	B
175 I-80 WB: Reed Ave On-Ramp	Merge	2,587	50	103.1%	332	35	100.6%				57.8	9.8	18.2	6.9	B
176 I-80 WB: Reed Ave to US 50	Basic	2,938	73	103.4%							55.9	10.8	20.9	6.8	C
177 I-80 WB: US 50 Off-Ramp	Diverge	2,945	60	103.7%				974	79	106.5%	56.1	11.6	21.1	8.7	C
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	1,987	44	103.2%							54.2	14.2	15.6	8.1	B
179 I-80 WB: Lane Drop to US 50	Basic	1,997	47	103.7%							46.5	19.3	32.5	22.2	D

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
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Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
 6 to 7 AM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	303	337	111.3%	12	320	353	1.9	6.0	2.2	2.5	10.0	A
2 E St-Richards Blvd/First St	Signal	503	548	108.8%	15	528	564	1.9	21.0	2.1	17.8	23.8	C
3 Richards Blvd/Olive Dr	Signal	595	636	106.9%	19	607	660	1.7	17.4	2.2	13.4	20.0	B
6 Enterprise Blvd/Lake Rd	Signal	1,255	1,233	98.2%	42	1,170	1,309	0.6	7.7	1.2	5.7	9.6	A
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,298	1,265	97.5%	42	1,200	1,332	0.9	9.9	1.3	7.9	12.0	A
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,267	1,221	96.4%	28	1,182	1,267	1.3	28.2	7.9	14.5	38.9	C

Network Summary

Total Demand Volume (veh/hr)	5,221
Total Volume Served (veh/hr)	5,241
Percent Served	100.4%
GEH Statistic	0.3

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	2	2	115.0%	39.4	37.9	D
	Through	2	2	95.0%	17.2	35.0	B
	Right Turn	1	1	90.0%	2.4	3.8	A
	Subtotal	5	5	102.0%	37.2	29.5	D
SB	Left Turn	7	8	115.7%	57.4	42.1	E
	Through	1	1	50.0%	14.1	38.2	B
	Right Turn	3	2	80.0%	6.8	9.9	A
	Subtotal	11	11	100.0%	45.0	28.6	D
EB	Left Turn	1	1	100.0%	16.5	29.2	B
	Through	74	102	137.4%	7.2	2.6	A
	Right Turn	1	1	60.0%	0.3	1.1	A
	Subtotal	76	103	135.9%	8.0	2.3	A
WB	Left Turn	3	3	110.0%	33.2	36.1	C
	Through	197	202	102.5%	1.0	1.2	A
	Right Turn	11	13	115.5%	1.0	0.5	A
	Subtotal	211	218	103.3%	2.2	1.7	A
<b>Total</b>		<b>303</b>	<b>337</b>	<b>111.3%</b>	<b>6.3</b>	<b>2.2</b>	<b>A</b>

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	204	211	103.2%	19.1	2.9	B
	Through	31	34	109.4%	22.6	7.4	C
	Right Turn	92	95	103.6%	3.6	2.1	A
	Subtotal	327	340	103.9%	15.2	2.1	B
SB	Left Turn	2	1	60.0%	3.0	9.4	A
	Through	32	32	100.9%	48.4	10.3	D
	Right Turn	3	2	80.0%	2.2	5.5	A
	Subtotal	37	36	97.0%	47.6	11.3	D
EB	Left Turn	2	2	115.0%	60.3	49.4	E
	Through	4	4	90.0%	33.5	38.8	C
	Right Turn	73	104	142.9%	11.3	4.2	B
	Subtotal	79	110	139.5%	14.6	4.7	B
WB	Left Turn	52	54	103.1%	55.6	10.5	E
	Through	5	5	106.0%	34.5	32.1	C
	Right Turn	3	3	90.0%	9.6	14.6	A
	Subtotal	60	62	102.7%	53.0	8.8	D
<b>Total</b>		<b>503</b>	<b>548</b>	<b>108.8%</b>	<b>21.6</b>	<b>1.9</b>	<b>C</b>

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

**Intersection 3**                      **Richards Blvd/Olive Dr**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	20	19	95.5%	53.7	25.5	D
	Through	261	272	104.2%	11.2	2.0	B
	Right Turn	15	16	105.3%	3.0	3.0	A
	Subtotal	296	307	103.6%	13.5	2.6	B
SB	Left Turn	9	7	78.9%	31.8	18.8	C
	Through	146	179	122.4%	3.3	1.8	A
	Right Turn	4	3	75.0%	1.0	2.2	A
	Subtotal	159	189	118.7%	4.5	1.2	A
EB	Left Turn	8	8	95.0%	30.8	27.4	C
	Through	2	3	135.0%	27.8	37.1	C
	Right Turn	17	15	85.9%	6.6	6.2	A
	Subtotal	27	25	92.2%	18.5	9.6	B
WB	Left Turn	43	45	104.2%	50.7	9.3	D
	Through	9	9	102.2%	51.3	32.4	D
	Right Turn	61	62	101.3%	41.0	12.5	D
	Subtotal	113	116	102.5%	45.8	9.8	D
Total		595	636	106.9%	17.6	2.3	B

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	38	40	105.8%	16.4	2.8	B
	Through	451	456	101.1%	6.2	1.4	A
	Right Turn	1	1	110.0%	5.4	3.5	A
	Subtotal	490	497	101.4%	7.1	1.4	A
SB	Left Turn	5	5	92.0%	10.1	10.2	B
	Through	555	537	96.7%	7.0	1.5	A
	Right Turn	95	90	95.2%	4.7	1.8	A
	Subtotal	655	632	96.4%	6.7	1.4	A
EB	Left Turn	101	95	93.8%	18.2	3.8	B
	Through						
	Right Turn	3	3	103.3%	4.2	5.5	A
	Subtotal	104	98	94.0%	18.0	3.7	B
WB	Left Turn	1	2	190.0%	4.7	6.4	A
	Through	1	1	100.0%	3.8	8.1	A
	Right Turn	4	4	90.0%	4.0	4.2	A
	Subtotal	6	7	108.3%	8.2	5.2	A
Total		1,255	1,233	98.2%	7.7	1.2	A

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 AM

**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	338	334	98.8%	13.8	1.6	B
	Through	218	220	100.9%	3.0	0.9	A
	Right Turn						
	Subtotal	556	554	99.6%	9.4	1.1	A
SB	Left Turn						
	Through	565	540	95.6%	11.0	1.9	B
	Right Turn	67	61	90.3%	6.5	1.2	A
	Subtotal	632	601	95.0%	10.6	1.7	B
EB	Left Turn	20	18	89.5%	20.7	8.0	C
	Through						
	Right Turn	90	93	103.1%	7.3	1.1	A
	Subtotal	110	111	100.6%	9.5	2.1	A
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,298	1,265	97.5%	10.0	1.3	A

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	702	663	94.5%	39.0	13.6	D
	Through	32	30	93.4%	39.7	15.6	D
	Right Turn	30	27	91.0%	30.1	17.0	C
	Subtotal	764	720	94.3%	38.7	13.6	D
SB	Left Turn	4	3	82.5%	6.1	10.3	A
	Through						
	Right Turn	17	19	111.8%	10.7	3.2	B
	Subtotal	21	22	106.2%	11.2	3.8	B
EB	Left Turn	28	26	93.9%	22.3	6.5	C
	Through	59	60	102.4%	10.2	3.2	B
	Right Turn	141	137	97.3%	1.1	0.3	A
	Subtotal	228	224	98.2%	6.3	1.0	A
WB	Left Turn						
	Through	250	250	100.2%	15.1	3.0	B
	Right Turn	4	4	105.0%	3.9	4.7	A
	Subtotal	254	255	100.2%	15.0	2.9	B
Total		1,267	1,221	96.4%	28.2	7.9	C

Vissim Post-Processor  
Average Results from 10 Runs  
Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
7 to 8 AM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	592	595	100.5%	15	575	621	0.1	5.4	2.2	2.4	9.2	A
2 E St-Richards Blvd/First St	Signal	992	1,005	101.4%	22	977	1,039	0.4	26.4	3.0	22.4	32.6	C
3 Richards Blvd/Olive Dr	Signal	1,171	1,180	100.8%	26	1,152	1,220	0.3	25.8	4.3	20.9	34.7	C
6 Enterprise Blvd/Lake Rd	Signal	1,652	1,648	99.8%	39	1,591	1,731	0.1	11.4	1.6	9.6	15.0	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,757	1,736	98.8%	47	1,657	1,833	0.5	12.3	1.3	10.1	14.6	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	2,062	1,971	95.6%	51	1,898	2,053	2.0	39.9	4.4	31.4	43.5	D

Network Summary

Total Demand Volume (veh/hr)	8,226
Total Volume Served (veh/hr)	8,135
Percent Served	98.9%
GEH Statistic	1.0

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
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**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	3	3	106.7%	26.7	33.4	C
	Through	3	3	93.3%	9.5	19.7	A
	Right Turn	2	1	65.0%	3.3	4.2	A
	Subtotal	8	7	91.3%	20.2	24.5	C
SB	Left Turn	13	12	93.8%	45.9	21.1	D
	Through	1	1	80.0%	8.9	28.3	A
	Right Turn	6	7	113.3%	8.1	3.3	A
	Subtotal	20	20	99.0%	33.5	14.6	C
EB	Left Turn	1	1	80.0%	30.9	47.4	C
	Through	146	154	105.7%	10.0	4.0	A
	Right Turn	1	1	130.0%	0.7	1.5	A
	Subtotal	148	156	105.7%	10.6	3.9	B
WB	Left Turn	6	6	91.7%	30.1	37.7	C
	Through	388	385	99.3%	0.9	1.4	A
	Right Turn	22	21	95.5%	1.0	0.9	A
	Subtotal	416	412	99.0%	1.5	1.6	A
Total		592	595	100.5%	5.5	2.3	A

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	403	397	98.6%	24.7	4.4	C
	Through	62	65	105.0%	25.1	6.9	C
	Right Turn	182	183	100.4%	11.1	3.8	B
	Subtotal	647	645	99.7%	21.0	4.1	C
SB	Left Turn	3	4	116.7%	37.5	32.7	D
	Through	64	63	99.1%	50.1	7.4	D
	Right Turn	6	6	103.3%	6.9	3.9	A
	Subtotal	73	73	100.1%	46.4	4.9	D
EB	Left Turn	3	4	133.3%	42.2	40.3	D
	Through	7	8	111.4%	57.4	29.2	E
	Right Turn	145	156	107.4%	13.0	1.6	B
	Subtotal	155	168	108.1%	16.6	2.1	B
WB	Left Turn	103	106	103.0%	60.5	9.1	E
	Through	9	9	97.8%	54.6	22.9	D
	Right Turn	5	5	92.0%	18.3	26.9	B
	Subtotal	117	120	102.1%	58.1	8.4	E
Total		992	1,005	101.4%	26.5	2.9	C

Vissim Post-Processor  
Average Results from 10 Runs  
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**Intersection 3**                      **Richards Blvd/Olive Dr**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	39	39	99.2%	70.7	11.0	E
	Through	516	506	98.0%	25.5	7.1	C
	Right Turn	30	28	92.7%	8.8	6.2	A
	Subtotal	585	572	97.8%	27.2	6.9	C
SB	Left Turn	17	18	104.7%	39.7	20.9	D
	Through	288	296	102.7%	6.4	3.3	A
	Right Turn	8	10	121.3%	2.7	4.3	A
	Subtotal	313	323	103.3%	8.2	4.1	A
EB	Left Turn	15	17	110.0%	35.3	24.5	D
	Through	4	4	95.0%	28.6	27.2	C
	Right Turn	33	35	106.7%	10.9	6.7	B
	Subtotal	52	56	106.7%	21.1	9.8	C
WB	Left Turn	84	87	103.5%	47.4	6.4	D
	Through	17	16	92.9%	56.2	19.2	E
	Right Turn	120	127	105.5%	44.3	9.1	D
	Subtotal	221	229	103.8%	46.8	6.1	D
Total		1,171	1,180	100.8%	25.9	4.3	C

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	67	67	100.6%	21.5	4.1	C
	Through	681	683	100.4%	11.0	2.3	B
	Right Turn	1	1	130.0%	11.8	4.6	B
	Subtotal	749	752	100.4%	11.9	2.2	B
SB	Left Turn	10	9	93.0%	20.5	8.1	C
	Through	638	621	97.4%	9.7	1.7	A
	Right Turn	96	101	105.2%	6.6	2.0	A
	Subtotal	744	732	98.3%	9.4	1.6	A
EB	Left Turn	113	118	104.5%	20.5	3.0	C
	Through	3	4	123.3%	14.2	11.8	B
	Right Turn	30	30	98.7%	10.2	2.0	B
	Subtotal	146	151	103.7%	18.4	2.4	B
WB	Left Turn	5	6	124.0%	16.9	16.4	B
	Through	3	2	73.3%	9.5	14.6	A
	Right Turn	5	4	88.0%	4.8	5.7	A
	Subtotal	13	13	98.5%	17.0	12.4	B
Total		1,652	1,648	99.8%	11.5	1.6	B





Vissim Post-Processor  
 Average Results from 10 Runs  
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Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	820	901	109.8%	22	867	950	2.7	9.1	1.7	6.3	11.5	A
2 E St-Richards Blvd/First St	Signal	1,313	1,404	106.9%	33	1,362	1,462	2.5	32.4	4.6	25.5	39.7	C
3 Richards Blvd/Olive Dr	Signal	1,475	1,548	104.9%	34	1,505	1,625	1.9	60.0	17.2	36.0	95.9	E
6 Enterprise Blvd/Lake Rd	Signal	1,552	1,595	102.8%	35	1,541	1,663	1.1	9.4	1.9	7.5	13.5	A
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,682	1,718	102.1%	46	1,639	1,804	0.9	13.5	1.1	12.1	15.6	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,661	1,724	103.8%	46	1,668	1,827	1.5	46.6	10.0	20.7	54.4	D

Network Summary

Total Demand Volume (veh/hr)	8,503
Total Volume Served (veh/hr)	8,889
Percent Served	104.5%
GEH Statistic	4.1

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
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**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	5	4	84.0%	26.8	34.7	C
	Through	1	1	90.0%	9.1	28.8	A
	Right Turn	6	6	91.7%	7.6	4.8	A
	Subtotal	12	11	88.3%	19.4	16.1	B
SB	Left Turn	22	21	96.4%	53.6	13.9	D
	Through	10	10	95.0%	45.1	29.4	D
	Right Turn	28	30	107.1%	14.8	3.7	B
	Subtotal	60	61	101.2%	34.2	6.7	C
EB	Left Turn	4	4	92.5%	49.6	38.8	D
	Through	217	261	120.4%	12.4	4.3	B
	Right Turn	9	8	91.1%	7.8	8.3	A
	Subtotal	230	273	118.8%	13.0	4.5	B
WB	Left Turn	7	7	97.1%	48.5	24.5	D
	Through	470	508	108.1%	3.9	2.1	A
	Right Turn	41	41	100.0%	5.1	4.8	A
	Subtotal	518	556	107.4%	4.5	2.1	A
Total		820	901	109.8%	9.1	1.7	A

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	474	513	108.2%	30.9	6.1	C
	Through	85	91	107.1%	31.8	7.3	C
	Right Turn	227	238	104.8%	15.4	4.6	B
	Subtotal	786	842	107.1%	26.6	5.5	C
SB	Left Turn	9	9	96.7%	45.3	33.7	D
	Through	79	81	102.8%	57.3	12.7	E
	Right Turn	17	17	98.2%	10.9	4.0	B
	Subtotal	105	107	101.5%	49.4	10.7	D
EB	Left Turn	5	5	104.0%	68.8	57.6	E
	Through	21	20	95.2%	80.2	19.8	F
	Right Turn	224	259	115.7%	13.1	3.1	B
	Subtotal	250	284	113.7%	20.0	4.0	B
WB	Left Turn	142	141	99.0%	73.0	9.7	E
	Through	25	26	102.0%	57.3	22.9	E
	Right Turn	5	5	106.0%	29.5	24.8	C
	Subtotal	172	171	99.7%	70.3	9.2	E
Total		1,313	1,404	106.9%	32.6	4.5	C

Vissim Post-Processor  
Average Results from 10 Runs  
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**Intersection 3**                      **Richards Blvd/Olive Dr**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	58	58	100.0%	133.6	41.8	F
	Through	608	656	107.8%	75.5	36.3	E
	Right Turn	29	32	111.0%	53.8	43.4	D
	Subtotal	695	746	107.3%	78.8	36.0	E
SB	Left Turn	25	24	94.0%	42.1	12.3	D
	Through	405	437	107.9%	13.3	3.5	B
	Right Turn	16	17	106.3%	13.0	8.8	B
	Subtotal	446	477	107.0%	15.0	3.6	B
EB	Left Turn	26	24	93.8%	37.1	23.1	D
	Through	4	3	75.0%	38.5	36.1	D
	Right Turn	36	37	103.1%	9.5	3.7	A
	Subtotal	66	65	97.7%	22.6	8.8	C
WB	Left Turn	88	86	97.4%	77.2	22.7	E
	Through	13	12	90.0%	106.5	60.0	F
	Right Turn	167	162	97.2%	110.8	39.9	F
	Subtotal	268	260	96.9%	99.9	33.3	F
Total		1,475	1,548	104.9%	60.1	17.2	E

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	57	56	98.1%	20.3	4.4	C
	Through	646	655	101.4%	8.6	1.2	A
	Right Turn	3	3	113.3%	9.4	2.7	A
	Subtotal	706	714	101.2%	9.5	1.4	A
SB	Left Turn	8	9	115.0%	13.6	7.7	B
	Through	627	649	103.6%	8.1	2.8	A
	Right Turn	87	92	105.5%	5.6	3.1	A
	Subtotal	722	750	103.9%	7.9	2.5	A
EB	Left Turn	85	83	97.6%	20.7	2.8	C
	Through						
	Right Turn	18	34	188.9%	9.5	2.2	A
	Subtotal	103	117	113.6%	17.6	2.8	B
WB	Left Turn	4	3	70.0%	15.7	18.6	B
	Through	3	3	86.7%	26.8	22.1	C
	Right Turn	14	8	59.3%	9.1	3.5	A
	Subtotal	21	14	65.2%	18.1	4.2	B
Total		1,552	1,595	102.8%	9.4	1.9	A

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

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Existing Conditions  
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**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	404	405	100.2%	18.7	2.4	B
	Through	341	351	103.0%	5.5	1.0	A
	Right Turn						
	Subtotal	745	756	101.5%	12.9	1.7	B
SB	Left Turn						
	Through	442	471	106.5%	18.0	1.6	B
	Right Turn	124	124	100.3%	8.2	1.2	A
	Subtotal	566	595	105.1%	16.0	1.4	B
EB	Left Turn	91	87	95.4%	19.2	2.3	B
	Through						
	Right Turn	280	280	100.0%	8.2	1.4	A
	Subtotal	371	367	98.9%	10.8	1.9	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,682	1,718	102.1%	13.5	1.1	B

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	673	728	108.1%	83.4	19.2	F
	Through	40	45	113.5%	87.0	23.0	F
	Right Turn	45	45	100.7%	70.8	19.9	E
	Subtotal	758	818	107.9%	82.8	19.3	F
SB	Left Turn	6	6	95.0%	24.8	12.7	C
	Through						
	Right Turn	32	30	93.4%	10.7	1.8	B
	Subtotal	38	36	93.7%	13.8	2.5	B
EB	Left Turn	44	43	98.0%	21.0	6.3	C
	Through	121	127	104.6%	11.4	1.5	B
	Right Turn	257	253	98.2%	2.6	0.7	A
	Subtotal	422	422	100.0%	7.1	1.2	A
WB	Left Turn						
	Through	438	443	101.1%	20.0	2.5	B
	Right Turn	5	5	98.0%	7.7	10.9	A
	Subtotal	443	448	101.1%	20.0	2.5	B
Total		1,661	1,724	103.8%	46.6	10.0	D

Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
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Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	657	853	129.9%	28	817	908	7.1	8.0	1.0	6.5	9.9	A
2 E St-Richards Blvd/First St	Signal	1,051	1,293	123.1%	30	1,251	1,337	7.1	26.2	2.4	22.3	29.4	C
3 Richards Blvd/Olive Dr	Signal	1,179	1,433	121.6%	36	1,381	1,498	7.0	56.9	21.1	27.2	108.7	E
6 Enterprise Blvd/Lake Rd	Signal	1,286	1,322	102.8%	32	1,276	1,383	1.0	8.5	0.9	7.1	9.9	A
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,372	1,416	103.2%	38	1,362	1,474	1.2	10.7	0.9	9.4	12.6	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,361	1,428	104.9%	47	1,340	1,483	1.8	22.7	12.4	12.3	42.3	C

Network Summary

Total Demand Volume (veh/hr)	6,906
Total Volume Served (veh/hr)	7,746
Percent Served	112.2%
GEH Statistic	9.8

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
9 to 10 AM

**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	4	4	107.5%	35.5	30.6	D
	Through	1	2	150.0%	2.7	4.7	A
	Right Turn	5	4	82.0%	8.3	5.4	A
	Subtotal	10	10	99.0%	26.6	18.3	C
SB	Left Turn	18	19	103.9%	49.9	13.2	D
	Through	8	7	82.5%	54.5	18.3	D
	Right Turn	22	23	105.9%	12.1	5.3	B
	Subtotal	48	49	101.3%	34.7	5.7	C
EB	Left Turn	3	3	96.7%	44.4	38.5	D
	Through	174	269	154.7%	11.3	2.8	B
	Right Turn	7	7	98.6%	11.1	7.0	B
	Subtotal	184	279	151.6%	11.9	2.7	B
WB	Left Turn	6	8	136.7%	51.1	30.0	D
	Through	376	468	124.5%	1.8	1.4	A
	Right Turn	33	39	118.8%	2.9	2.8	A
	Subtotal	415	516	124.3%	2.8	1.7	A
<b>Total</b>		<b>657</b>	<b>853</b>	<b>129.9%</b>	<b>8.1</b>	<b>1.0</b>	<b>A</b>

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	379	485	127.8%	24.7	4.6	C
	Through	68	74	109.0%	24.6	6.7	C
	Right Turn	182	211	116.1%	10.8	2.4	B
	Subtotal	629	770	122.4%	21.0	3.5	C
SB	Left Turn	7	8	110.0%	47.0	35.4	D
	Through	63	67	105.9%	55.9	15.3	E
	Right Turn	14	14	100.0%	11.2	4.8	B
	Subtotal	84	88	105.2%	49.4	13.9	D
EB	Left Turn	4	4	92.5%	32.7	34.0	C
	Through	17	17	97.1%	58.2	29.6	E
	Right Turn	179	276	154.0%	13.3	2.5	B
	Subtotal	200	296	147.9%	15.9	3.7	B
WB	Left Turn	114	118	103.1%	62.6	13.9	E
	Through	20	19	92.5%	61.5	21.2	E
	Right Turn	4	3	82.5%	7.1	6.6	A
	Subtotal	138	139	100.9%	61.1	12.3	E
<b>Total</b>		<b>1,051</b>	<b>1,293</b>	<b>123.1%</b>	<b>26.3</b>	<b>2.4</b>	<b>C</b>

Vissim Post-Processor  
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I-80/US 50 Managed Lanes  
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**Intersection 3**                      **Richards Blvd/Olive Dr**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	46	60	130.9%	137.5	50.7	F
	Through	486	602	124.0%	65.4	39.4	E
	Right Turn	23	25	110.4%	38.2	42.6	D
	Subtotal	555	688	124.0%	70.8	40.3	E
SB	Left Turn	20	21	103.5%	47.2	8.8	D
	Through	324	428	132.0%	12.1	3.0	B
	Right Turn	13	13	100.8%	11.3	7.4	B
	Subtotal	357	461	129.2%	13.4	2.9	B
EB	Left Turn	21	22	102.9%	34.3	21.7	C
	Through	3	4	116.7%	11.8	23.8	B
	Right Turn	29	31	105.2%	13.4	10.9	B
	Subtotal	53	56	104.9%	23.8	17.2	C
WB	Left Turn	70	75	106.4%	78.2	27.8	E
	Through	10	11	113.0%	143.7	74.8	F
	Right Turn	134	142	106.2%	106.0	38.8	F
	Subtotal	214	228	106.6%	99.4	34.6	F
Total		1,179	1,433	121.6%	56.9	21.1	E

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	52	56	107.1%	18.2	3.6	B
	Through	599	601	100.4%	7.1	1.1	A
	Right Turn	7	7	101.4%	5.8	4.2	A
	Subtotal	658	664	100.9%	8.1	1.0	A
SB	Left Turn	19	18	93.2%	13.2	3.9	B
	Through	469	497	105.9%	7.9	1.8	A
	Right Turn	46	50	109.3%	4.1	2.7	A
	Subtotal	534	565	105.7%	7.7	1.7	A
EB	Left Turn	64	66	103.4%	19.5	2.2	B
	Through	2	2	75.0%	3.4	7.5	A
	Right Turn	12	9	77.5%	8.2	1.2	A
	Subtotal	78	77	98.7%	17.4	2.1	B
WB	Left Turn	8	8	101.3%	17.4	14.2	B
	Through	4	4	100.0%	22.7	17.0	C
	Right Turn	4	4	97.5%	8.3	1.7	A
	Subtotal	16	16	100.0%	18.9	7.3	B
Total		1,286	1,322	102.8%	8.6	0.9	A

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
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**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	365	367	100.5%	16.0	1.7	B
	Through	302	306	101.4%	3.6	1.0	A
	Right Turn						
	Subtotal	667	673	100.9%	10.4	1.0	B
SB	Left Turn						
	Through	357	387	108.4%	12.4	2.2	B
	Right Turn	115	119	103.7%	8.5	1.5	A
	Subtotal	472	506	107.3%	11.5	1.6	B
EB	Left Turn	56	59	105.2%	20.3	3.2	C
	Through						
	Right Turn	177	178	100.5%	6.6	0.6	A
	Subtotal	233	237	101.6%	10.0	1.1	A
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
<b>Total</b>		<b>1,372</b>	<b>1,416</b>	<b>103.2%</b>	<b>10.8</b>	<b>0.9</b>	<b>B</b>

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	551	598	108.5%	34.9	24.4	C
	Through	32	34	106.6%	35.2	26.1	D
	Right Turn	36	44	121.4%	21.8	23.3	C
	Subtotal	619	676	109.2%	34.0	24.3	C
SB	Left Turn	5	6	112.0%	23.6	10.6	C
	Through						
	Right Turn	26	28	109.2%	10.1	2.0	B
	Subtotal	31	34	109.7%	13.2	3.1	B
EB	Left Turn	36	33	91.7%	20.7	4.9	C
	Through	98	97	99.2%	11.9	3.7	B
	Right Turn	219	231	105.4%	2.0	0.4	A
	Subtotal	353	361	102.3%	6.3	1.2	A
WB	Left Turn						
	Through	354	354	99.9%	17.4	1.9	B
	Right Turn	4	3	85.0%	7.9	6.9	A
	Subtotal	358	357	99.8%	17.3	1.9	B
<b>Total</b>		<b>1,361</b>	<b>1,428</b>	<b>104.9%</b>	<b>22.7</b>	<b>12.4</b>	<b>C</b>



**Vissim Post-Processor**  
**Average Results from 10 Runs**  
**Network Statistics**

**I-80/US 50 Managed Lanes**  
**Existing Conditions**  
**AM Peak Period**

Performance Measure	Vehicle Types	Average	Std. Dev.	Minimum	Maximum
Average Delay (seconds)	All	95.8	11.24	80.6	110.6
Total Delay (hours)	All	2,836	335	2,382	3,274
Average Stopped Delay (seconds)	All	7.4	0.75	6.1	8.7
Total Stopped Delay (hours)	All	219	22	181	257
Total Distance Traveled (miles)	All	683,066	1,362	681,433	685,897
Average Speed (mph)	All	49.3	1.18	47.8	50.9
Average Number of Stops	All	3.3	0.64	2.2	4.2
Total Number of Stops	All	351,724	68,130	233,670	451,170
Total Travel Time (hours)	All	13,862.0	333.4	13,400.5	14,279.7
Vehicles Active	All	2,846	177	2,661	3,223
Vehicles Arrived	All	103,733	214	103,486	104,046
Average Delay (seconds)	Motorized	0.0	0.00	0.0	0.0
Total Delay (hours)	Motorized	0	0	0	0
Average Stopped Delay (seconds)	Motorized	0.0	0.00	0.0	0.0
Total Stopped Delay (hours)	Motorized	0	0	0	0
Total Distance Traveled (miles)	Motorized	0	0	0	0
Average Speed (mph)	Motorized	0.0	0.00	0.0	0.0
Average Number of Stops	Motorized	0.0	0.00	0.0	0.0
Total Number of Stops	Motorized	0	0	0	0
Total Travel Time (hours)	Motorized	0.0	0.0	0.0	0.0
Vehicles Active	Motorized	0	0	0	0
Vehicles Arrived	Motorized	0	0	0	0
Average Delay (seconds)	Non-motorized	0.0	0.00	0.0	0.0
Total Delay (hours)	Non-motorized	0	0	0	0
Average Stopped Delay (seconds)	Non-motorized	0.0	0.00	0.0	0.0
Total Stopped Delay (hours)	Non-motorized	0	0	0	0
Total Distance Traveled (miles)	Non-motorized	0	0	0	0
Average Speed (mph)	Non-motorized	0.0	0.00	0.0	0.0
Average Number of Stops	Non-motorized	0.0	0.00	0.0	0.0
Total Number of Stops	Non-motorized	0	0	0	0
Total Travel Time (hours)	Non-motorized	0.0	0.0	0.0	0.0
Vehicles Active	Non-motorized	0	0	0	0
Vehicles Arrived	Non-motorized	0	0	0	0

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

PM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
US 50 WB: 26th St Off to SR 99 On	Mainline	20,894	20,884	-9.9	0.0%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: SR 99 On	On	8,218	8,209	-8.8	-0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: SR 99 On to SR 51 On	Mainline	29,112	29,094	-18.0	-0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: SR 51 On	On	4,893	4,876	-17.1	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: SR 51/99 to 16th St	Mainline	34,005	33,970	-35.1	-0.1%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 16th St Off	Off	3,073	3,076	3.1	0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 16th St Off to 10th St Off	Mainline	30,932	30,900	-32.5	-0.1%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 10th St Off	Off	3,017	3,029	11.9	0.4%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 10th St Off to 15th St On	Mainline	27,915	27,873	-42.1	-0.2%	0.3	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 15th St On	On	3,157	3,135	-22.4	-0.7%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 15th St to I-5	Mainline	31,072	31,008	-64.5	-0.2%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 Off	Branch Off	14,092	14,038	-53.9	-0.4%	0.5	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 NB Off	Off	7,401	7,406	4.8	0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 SB Off	Off	6,691	6,632	-58.7	-0.9%	0.7	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 Off to 5th St On	Mainline	16,980	16,982	2.3	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
US 50 WB: 5th St On	On	1,471	1,479	8.1	0.6%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: 5th St On to I-5 On	Mainline	18,451	18,463	11.5	0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 SB On	On	1,742	1,733	-9.3	-0.5%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: I-5 NB On	On	1,726	1,739	12.9	0.7%	0.3	+/- 15%	Yes	< 5	Yes
US 50 WB: I-5 On	Branch On	3,468	3,472	3.6	0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-5 to Jefferson Blvd	Mainline	21,919	21,937	17.5	0.1%	0.1	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd/Delta Ln Off	Branch Off	8,077	8,076	-0.7	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Delta Ln Off	Off	2,492	2,495	2.9	0.1%	0.1	+/- 15%	Yes	< 5	Yes
US 50 WB: Jefferson Blvd Off	Off	5,585	5,581	-3.6	-0.1%	0.0	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd Off to On	Mainline	13,842	13,865	23.1	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd On	On	1,088	1,097	8.5	0.8%	0.3	+/- 15%	Yes	< 5	Yes
US 50 WB: Tower Bridge Gateway On	On	1,726	1,719	-7.4	-0.4%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: TBG/Jefferson Blvd On	Branch On	2,814	2,815	1.1	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Jefferson Blvd to Harbor Blvd	Mainline	16,656	16,683	27.1	0.2%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd Off	Off	4,856	4,841	-15.0	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd Off to NB On	Mainline	11,800	11,850	49.8	0.4%	0.5	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd NB On	On	1,756	1,749	-6.6	-0.4%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: Harbor Blvd NB On to SB On	Mainline	13,556	13,602	45.5	0.3%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 WB: Harbor Blvd SB On	On	927	932	4.9	0.5%	0.2	+/- 15%	Yes	< 5	Yes
US 50 WB: Harbor Blvd to I-80	Mainline	14,483	14,535	51.6	0.4%	0.4	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-80 Off	Off	5,678	5,663	-14.7	-0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-80 Off to On	Mainline	8,805	8,880	75.1	0.9%	0.8	+/- 400 vph	Yes	< 5	Yes
US 50 WB: I-80 On	On	7,986	8,050	64.2	0.8%	0.7	+/- 400 vph	Yes	< 5	Yes

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

PM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 WB: I-80 to W Capitol Ave	Mainline	16,791	16,930	139.3	0.8%	1.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave Off	Off	1,677	1,666	-11.2	-0.7%	0.3	+/- 15%	Yes	< 5	Yes
I-80 WB: W Capitol Ave Off to EB On	Mainline	15,114	15,277	163.4	1.1%	1.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave EB On	On	538	541	3.4	0.6%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave EB On to WB On	Mainline	15,652	15,818	165.9	1.1%	1.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W Capitol Ave WB On	On	1,482	1,461	-20.8	-1.4%	0.5	+/- 15%	Yes	< 5	Yes
I-80 WB: W Capitol Ave to County Rd 32A	Mainline	17,134	17,287	152.9	0.9%	1.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A Off	Off	1,253	1,246	-7.2	-0.6%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: County Rd 32A Off to On	Mainline	15,881	16,109	227.8	1.4%	1.8	+/- 400 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A On	On	81	82	0.9	1.1%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: County Rd 32A to Mace Blvd	Mainline	15,962	16,244	282.2	1.8%	2.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Mace Blvd Off	Off	3,790	3,742	-48.3	-1.3%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Mace Blvd Off to On	Mainline	12,172	12,522	349.6	2.9%	3.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Mace Blvd On	On	1,555	1,548	-6.9	-0.4%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: Mace Blvd to Olive Dr	Mainline	13,727	14,101	373.8	2.7%	3.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Olive Dr Off	Off	459	460	0.6	0.1%	0.0	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Olive Dr to Richards Blvd	Mainline	13,268	13,657	388.9	2.9%	3.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd NB Off	Off	859	865	6.4	0.7%	0.2	+/- 15%	Yes	< 5	Yes
I-80 WB: Richards Blvd NB Off to On	Mainline	12,409	12,801	392.4	3.2%	3.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd NB On	On	1,422	1,407	-15.3	-1.1%	0.4	+/- 15%	Yes	< 5	Yes
I-80 WB: Richards Blvd NB On to SB Off	Mainline	13,831	14,208	377.1	2.7%	3.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd SB Off	Off	262	259	-3.1	-1.2%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd SB Off to On	Mainline	13,569	13,951	382.3	2.8%	3.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Richards Blvd SB On	On	1,073	1,069	-4.5	-0.4%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: Richards Blvd to Old Davis Rd	Mainline	14,642	15,034	391.8	2.7%	3.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd Off	Off	650	667	17.2	2.6%	0.7	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd Off to SR 113 Off	Mainline	13,992	14,371	379.3	2.7%	3.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: SR 113 Off	Off	3,573	3,613	40.4	1.1%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 WB: SR 113 Off to Old Davis Rd On	Mainline	10,419	10,776	356.8	3.4%	3.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd On	On	621	614	-7.2	-1.2%	0.3	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Old Davis Rd On to SR 113 On	Mainline	11,040	11,407	367.4	3.3%	3.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: SR 113 On	On	3,449	3,396	-53.4	-1.5%	0.9	+/- 400 vph	Yes	< 5	Yes
I-80 WB: SR 113 to Kidwell Rd	Mainline	14,489	14,803	314.0	2.2%	2.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd Off	Off	158	151	-7.1	-4.5%	0.6	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd Off to On	Mainline	14,331	14,683	352.3	2.5%	2.9	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd On	On	48	47	-0.8	-1.7%	0.1	+/- 100 vph	Yes	< 5	Yes
I-80 WB: Kidwell Rd to Pedrick Rd	Mainline	14,379	14,748	368.7	2.6%	3.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Pedrick Rd Off	Off	711	686	-25.1	-3.5%	0.9	+/- 15%	Yes	< 5	Yes

VISSIM Post-Processor

Average Results from 10 Runs

Volume Validation

I-80/US 50 Managed Lanes

Existing Conditions

PM Peak Period

Location	Facility Type	Mainline Volume (vph)		Difference			Link Flow Criteria		Link GEH Criteria	
		Observed	Modeled	vph	%	GEH	Measure	Meets Target?	Target	Meets Target?
I-80 WB: Pedrick Rd Off to On	Mainline	13,668	14,062	393.8	2.9%	3.3	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Northgate Blvd NB On to SB On	Mainline	22,029	22,115	85.7	0.4%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Northgate Blvd SB On	On	2,168	2,163	-5.2	-0.2%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: Northgate Blvd to Truxel Rd	Mainline	24,196	24,278	81.5	0.3%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd Off	Off	4,630	4,646	16.2	0.3%	0.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd Off to NB On	Mainline	19,565	19,660	95.0	0.5%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd NB On	On	864	868	3.5	0.4%	0.1	+/- 15%	Yes	< 5	Yes
I-80 WB: Truxel Rd NB On to SB On	Mainline	20,431	20,535	104.0	0.5%	0.7	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd SB On	On	4,057	4,049	-7.7	-0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Truxel Rd to I-5	Mainline	24,489	24,584	95.3	0.4%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 Off	Branch Off	13,286	13,357	70.5	0.5%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 NB Off	Off	4,951	4,924	-27.3	-0.6%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 SB Off	Off	8,335	8,433	97.8	1.2%	1.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 Off to NB On	Mainline	11,203	11,245	41.9	0.4%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 NB On	On	637	633	-4.0	-0.6%	0.2	+/- 100 vph	Yes	< 5	Yes
I-80 WB: I-5 NB On to SB On	Mainline	11,840	11,880	40.0	0.3%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 SB On	On	3,348	3,354	5.5	0.2%	0.1	+/- 400 vph	Yes	< 5	Yes
I-80 WB: I-5 to W El Camino Ave	Mainline	15,188	15,234	45.5	0.3%	0.4	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave Off	Off	1,814	1,801	-12.7	-0.7%	0.3	+/- 15%	Yes	< 5	Yes
I-80 WB: W El Camino Ave Off to WB On	Mainline	13,373	13,443	69.7	0.5%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave WB On	On	1,231	1,232	0.9	0.1%	0.0	+/- 15%	Yes	< 5	Yes
I-80 WB: W El Camino Ave WB On to EB On	Mainline	14,605	14,677	72.4	0.5%	0.6	+/- 400 vph	Yes	< 5	Yes
I-80 WB: W El Camino Ave EB On	On	809	817	8.4	1.0%	0.3	+/- 15%	Yes	< 5	Yes
I-80 WB: W El Camino Ave to Reed Ave	Mainline	15,414	15,509	95.4	0.6%	0.8	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Reed Ave Off	Off	4,155	4,157	2.0	0.0%	0.0	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Reed Ave to On	Mainline	11,259	11,368	108.9	1.0%	1.0	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Reed Ave On	On	2,853	2,879	25.7	0.9%	0.5	+/- 400 vph	Yes	< 5	Yes
I-80 WB: Reed Ave to US 50	Mainline	14,112	14,258	146.4	1.0%	1.2	+/- 400 vph	Yes	< 5	Yes
I-80 WB: US 50 Off	Off	6,125	6,223	98.4	1.6%	1.3	+/- 400 vph	Yes	< 5	Yes
<b>Total</b>		<b>995,454</b>	<b>1,002,995</b>	<b>7540.6</b>	<b>0.8%</b>	<b>7.5</b>	<b>+/- 5%</b>	<b>Yes</b>	<b>&lt;4</b>	<b>No</b>

All Link Flows			
Link Flow Criteria		Link GEH Criteria	
Measure	% Cases	Measure	% Cases
> 85%	100%	> 85%	100%

VISSIM Post-Processor  
 Average Results from 10 Runs  
 Travel Time

I-80/US 50 Managed Lanes  
 Existing Conditions  
 PM Peak Period

Location	Time	Travel Time (min)		Difference	
		Measured	Modeled	Minutes	Percent
I-80 Westbound: US 50 to Kidwell Rd	3:00 PM	11.3	12.8	-1.46	-12.8%
	4:00 PM	11.8	12.9	-1.05	-8.9%
	5:00 PM	13.4	14.1	-0.68	-5.1%
	6:00 PM	12.0	12.8	-0.79	-6.6%
US 50 Westbound: SR 51 to I-80	3:00 PM	4.5	4.7	-0.24	-5.3%
	4:00 PM	5.5	7.6	-2.15	-39.1%
	5:00 PM	6.0	6.3	-0.34	-5.7%
	6:00 PM	4.8	4.4	0.37	7.8%
I-80 Westbound: Truxel Rd to US 50	3:00 PM	3.7	3.7	-0.01	-0.2%
	4:00 PM	3.8	3.7	0.04	1.0%
	5:00 PM	3.8	3.7	0.10	2.7%
	6:00 PM	3.7	3.6	0.02	0.6%





VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS		
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.			
101 US 50 WB: SR 99 On-Ramp	Merge	5,362	171	99.3%	2,143	109	99.7%				52.3	18.9	37.7	26.8	E		
102 US 50 WB: SR 51 to 16th St	Weave	7,488	238	99.2%	1,397	75	99.9%				47.3	17.2	40.4	22.4	E		
103 US 50 WB: 10th St Off-Ramp	Diverge	8,159	220	98.4%						639	61	99.0%	38.5	19.5	F		
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	7,499	214	98.0%								35.6	21.1	50.9	F		
105 US 50 WB: 15th St to I-5	Weave	7,407	367	96.8%	793	49	99.2%			3,627	125	93.1%	40.4	5.8	36.9	E	
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,356	159	95.6%								62.6	0.2	18.4	0.4	B	
107 US 50 WB: 5th St On-Ramp	Merge	4,359	147	95.7%	304	28	99.1%					62.4	0.3	13.7	0.4	B	
108 US 50 WB: I-5 On-Ramp	Merge	4,665	164	96.0%	725	53	99.6%					59.8	1.3	18.3	1.3	B	
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	5,391	152	96.5%						1,864	133	96.9%	58.9	2.5	23.7	1.3	C
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	3,529	94	96.3%								62.5	0.3	19.5	0.8	B	
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	3,535	111	96.4%	507	48	99.1%					63.6	0.3	12.8	1.3	B	
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,047	95	96.9%								63.2	0.2	16.8	0.7	B	
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,049	91	96.9%								63.2	0.2	13.4	0.6	B	
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	4,048	91	96.9%						982	70	95.8%	63.3	0.3	13.2	0.6	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	3,068	68	97.3%								63.7	0.2	12.7	0.6	B	
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	3,069	71	97.3%	440	38	99.5%					61.4	0.2	12.2	0.5	B	
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	3,511	77	97.7%	178	25	98.7%					62.6	0.2	11.7	0.5	B	
118 US 50 WB: I-80 EB Off-Ramp	Basic	3,690	77	97.7%						1,430	81	97.9%	59.8	1.5	13.2	0.6	B
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	2,261	59	97.7%								62.5	0.4	9.6	0.5	A	
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	2,263	47	97.8%								57.9	2.4	13.8	1.2	B	
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,266	82	97.9%	2,304	73	98.5%			453	40	97.6%	61.3	0.6	15.5	0.5	B
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	4,119	61	98.3%								61.6	0.3	17.4	0.4	B	
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	4,122	60	98.4%								61.0	1.9	23.4	1.0	C	
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	4,122	58	98.4%	82	17	98.3%					56.7	6.1	21.7	2.8	C	
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	4,203	59	98.4%	217	29	100.3%					53.1	5.5	24.6	3.0	C	
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	4,418	54	98.4%								62.0	0.2	24.4	0.7	C	
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	4,425	65	98.6%						223	31	101.0%	61.5	0.4	24.3	1.4	C
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	4,201	65	98.5%								62.0	0.3	23.3	1.3	C	
129 I-80 WB: County Rd 32A On-Ramp	Merge	4,198	62	98.4%	14	7	102.9%					62.1	0.3	18.6	0.6	B	
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	4,215	65	98.5%								61.7	0.4	23.5	1.2	C	
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	4,206	62	98.3%						735	58	96.8%	62.3	0.3	15.6	0.8	B
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	3,470	52	98.5%								62.5	0.3	19.2	1.0	B	
133 I-80 WB: Mace Blvd On-Ramp	Merge	3,473	56	98.6%	396	42	101.0%					62.3	0.2	9.7	0.5	A	
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	3,868	53	98.9%								62.0	0.5	16.1	0.7	B	
135 I-80 WB: Lane Drop to Olive Dr	Basic	3,866	56	98.8%								62.1	0.4	21.5	0.9	C	
136 I-80 WB: Olive Dr Off-Ramp	Diverge	3,860	57	98.6%						100	22	99.5%	62.0	0.3	21.5	0.9	C
137 I-80 WB: Olive Dr to Richards Blvd	Basic	3,763	52	98.7%								62.1	0.3	20.9	0.7	C	
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	3,761	50	98.6%						210	31	101.3%	61.9	0.5	21.0	0.9	C
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	3,552	51	98.5%								62.4	0.3	19.8	0.7	B	
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	3,553	55	98.5%	324	36	99.4%			64	17	92.0%	60.9	0.6	19.9	0.8	B
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	3,810	58	98.6%								62.0	0.5	21.4	0.9	C	
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	3,808	56	98.6%	252	28	102.0%					63.0	0.2	16.9	0.6	B	
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,059	63	98.8%								63.1	0.2	16.8	0.5	B	
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	4,052	62	98.6%						148	28	99.3%	63.3	0.2	11.6	0.4	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	3,903	67	98.5%						795	47	100.3%	63.3	0.3	10.2	0.3	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	3,106	56	98.1%								63.5	0.3	12.8	0.6	B	
147 I-80 WB: Old Davis Rd On-Ramp	Merge	3,101	61	97.9%	102	19	94.5%					62.9	0.3	9.7	0.7	A	
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	3,203	60	97.8%								63.4	0.3	13.3	0.6	B	
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,204	60	97.8%	842	61	97.7%			41	11	82.2%	63.3	0.2	13.4	0.5	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	3,995	60	97.7%								63.2	0.2	16.5	0.5	B	

Notes: Average density reported for the analysis area only; for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.



VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	4,566	258	86.2%	1,670	387	79.0%				12.6	2.9	122.1	16.8	F
102 US 50 WB: SR 51 to 16th St	Weave	6,174	632	83.3%	1,265	83	99.8%				16.5	4.0	86.9	10.2	F
103 US 50 WB: 10th St Off-Ramp	Diverge	6,810	247	85.6%							14.8	2.9	105.1	12.2	F
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	6,113	221	85.6%							12.5	2.3	88.5	7.6	F
105 US 50 WB: 15th St to I-5	Weave	6,101	239	85.4%	834	49	98.9%				34.3	1.4	44.8	1.2	F
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	3,835	166	87.9%							62.0	0.6	16.5	1.6	B
107 US 50 WB: 5th St On-Ramp	Merge	3,834	160	87.9%	442	38	100.1%				61.0	2.8	14.2	2.5	B
108 US 50 WB: I-5 On-Ramp	Merge	4,272	192	88.9%	1,069	63	99.9%				54.0	8.1	27.2	12.5	C
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	5,333	169	90.8%							56.9	2.8	24.2	2.2	C
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	3,361	114	91.8%							62.2	1.0	18.6	1.5	B
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	3,348	124	91.5%	912	76	100.9%				62.7	0.3	15.0	1.3	B
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,249	108	93.1%							62.8	0.3	17.6	1.2	B
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,247	101	93.1%							62.7	0.4	14.1	0.9	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	4,245	107	93.0%							63.1	0.2	13.9	0.9	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	2,961	90	94.0%							63.7	0.2	12.0	0.9	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	2,961	80	94.0%	511	51	100.2%				60.9	0.3	12.0	0.9	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	3,470	88	94.8%	258	29	102.1%				60.0	4.2	14.1	4.6	B
118 US 50 WB: I-80 EB Off-Ramp	Basic	3,727	269	95.3%							53.1	10.6	15.3	4.3	B
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	2,097	144	95.6%							62.9	0.4	8.7	0.7	A
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	2,097	60	95.6%							59.2	1.6	12.3	1.2	B
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,097	92	95.6%	2,298	90	100.7%				61.4	0.6	14.8	0.7	B
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	3,996	73	98.1%							61.2	1.0	17.0	0.9	B
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	3,996	64	98.1%							55.5	5.8	25.4	3.7	C
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	3,996	62	98.1%	154	25	102.9%				41.7	9.9	30.1	6.6	D
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	4,146	67	98.1%	359	38	100.3%				41.8	6.0	32.9	5.2	D
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	4,506	60	98.3%							61.9	0.3	25.4	0.8	C
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	4,493	70	98.0%							61.2	0.7	25.4	1.0	C
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	4,218	65	98.3%							62.0	0.4	23.7	0.9	C
129 I-80 WB: County Rd 32A On-Ramp	Merge	4,220	62	98.3%	33	12	103.4%				61.8	0.5	19.4	0.7	B
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	4,254	59	98.4%							61.6	0.4	24.0	1.0	C
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	4,271	66	98.7%							893	71	95.0%		
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	3,379	60	99.8%							62.4	0.3	15.8	0.5	B
133 I-80 WB: Mace Blvd On-Ramp	Merge	3,375	60	99.7%	375	32	98.5%				62.8	0.2	18.3	0.7	B
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	3,752	54	99.6%							62.5	0.3	9.4	0.3	A
135 I-80 WB: Lane Drop to Olive Dr	Basic	3,755	53	99.7%							62.4	0.4	15.2	0.7	B
136 I-80 WB: Olive Dr Off-Ramp	Diverge	3,764	56	99.9%							62.6	0.1	20.3	0.5	C
137 I-80 WB: Olive Dr to Richards Blvd	Basic	3,670	52	99.9%							62.5	0.3	20.5	0.6	C
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	3,673	57	100.0%							62.5	0.3	19.8	0.6	B
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	3,473	50	100.1%							62.4	0.4	19.9	0.7	B
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	3,472	53	100.1%	383	34	99.9%				62.8	0.3	18.6	0.5	B
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	3,792	54	100.1%							60.9	0.6	19.3	1.0	B
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	3,793	55	100.1%	260	31	98.1%				61.9	0.5	20.7	1.1	C
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,050	72	100.0%							63.0	0.2	16.3	0.8	B
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	4,056	67	100.1%							63.2	0.2	16.3	0.8	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	3,863	82	100.4%							63.3	0.2	11.8	0.6	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	2,998	60	101.2%							63.3	0.3	10.1	0.6	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	3,004	64	101.4%	199	29	102.9%				63.7	0.2	12.3	0.3	B
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	3,201	71	101.4%							62.7	0.2	10.3	0.3	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,201	74	101.4%	905	59	99.8%				63.6	0.2	13.1	0.2	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	4,063	62	100.9%							63.4	0.2	13.6	0.2	B
											63.2	0.2	16.5	0.3	B

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	5,558	178	110.5%	2,172	241	107.8%				16.4	3.8	104.4	15.2	F
102 US 50 WB: SR 51 to 16th St	Weave	7,759	299	110.1%	1,013	65	99.5%				23.5	8.5	73.2	15.0	F
103 US 50 WB: 10th St Off-Ramp	Diverge	7,934	223	110.1%				827	84	108.3%	22.1	12.1	85.5	28.1	F
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	7,124	192	110.6%							17.4	1.9	82.2	4.6	F
105 US 50 WB: 15th St to I-5	Weave	7,208	263	111.9%	852	40	100.0%	3,586	236	114.0%	32.0	4.9	49.6	4.7	F
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,556	199	109.8%							49.5	21.2	36.2	32.2	E
107 US 50 WB: 5th St On-Ramp	Merge	4,541	275	109.4%	489	42	102.6%				44.6	21.7	42.0	36.8	E
108 US 50 WB: I-5 On-Ramp	Merge	4,997	220	108.0%	1,116	72	100.0%				42.9	8.3	54.0	17.1	F
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	6,078	155	105.9%				2,322	113	105.8%	53.4	3.8	28.8	2.8	D
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	3,754	122	105.8%							61.7	1.4	20.5	1.6	C
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	3,755	102	105.9%	1,003	67	99.7%				62.4	0.3	17.3	1.1	B
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,757	87	104.5%							62.6	0.3	19.7	1.1	B
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,755	84	104.4%							62.5	0.3	15.8	0.9	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	4,755	86	104.4%				1,459	97	104.8%	63.1	0.2	15.4	0.8	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	3,291	64	104.1%							63.7	0.2	13.3	0.7	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	3,289	71	104.1%	413	41	97.9%				61.3	0.3	12.7	0.7	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	3,702	74	103.4%	245	37	99.4%				61.4	1.8	12.6	1.0	B
118 US 50 WB: I-80 EB Off-Ramp	Basic	3,946	203	103.1%				1,386	83	104.3%	56.2	8.1	15.2	3.0	B
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	2,564	147	102.6%							62.4	0.5	10.5	0.5	B
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	2,563	55	102.6%							55.0	5.6	16.1	2.8	B
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,560	340	102.4%	1,951	140	100.4%	400	41	97.9%	30.2	10.7	40.7	11.9	E
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	4,070	123	100.9%							16.9	0.7	59.8	1.8	F
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	4,052	40	100.5%							20.4	0.4	65.8	0.8	F
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	4,040	42	100.2%	216	32	101.6%				19.2	0.4	61.9	1.2	F
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	4,241	41	99.9%	595	50	97.1%				31.2	0.3	49.4	0.9	F
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	4,819	24	99.2%							61.8	0.1	26.2	0.2	C
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	4,795	47	98.7%				428	39	93.3%	60.0	1.8	27.1	0.9	C
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	4,365	44	99.2%							61.9	0.5	23.8	0.3	C
129 I-80 WB: County Rd 32A On-Ramp	Merge	4,360	44	99.1%	21	9	98.1%				62.0	0.4	20.0	0.4	C
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	4,378	45	99.0%							61.7	0.5	24.1	0.4	C
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	4,364	47	98.7%				1,089	67	95.3%	62.0	1.0	16.1	0.5	B
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	3,272	39	99.8%							62.7	0.4	17.5	0.4	B
133 I-80 WB: Mace Blvd On-Ramp	Merge	3,275	43	99.9%	437	45	100.0%				62.4	0.2	9.7	0.5	A
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	3,708	46	99.8%							62.4	0.3	15.0	0.4	B
135 I-80 WB: Lane Drop to Olive Dr	Basic	3,707	42	99.7%							62.5	0.2	20.0	0.5	B
136 I-80 WB: Olive Dr Off-Ramp	Diverge	3,708	51	99.8%				139	21	92.5%	62.3	0.3	20.3	0.6	C
137 I-80 WB: Olive Dr to Richards Blvd	Basic	3,566	48	100.0%							62.3	0.2	19.2	0.5	B
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	3,567	44	100.0%				226	24	97.6%	62.2	0.3	19.3	0.4	B
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	3,341	43	100.2%							62.7	0.4	17.9	0.6	B
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	3,343	44	100.3%	436	37	98.1%	63	13	96.1%	60.8	0.6	18.7	0.6	B
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	3,711	51	100.0%							62.1	0.5	20.4	0.7	C
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	3,711	50	100.0%	301	34	99.1%				63.2	0.1	16.3	0.4	B
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,013	59	99.9%							63.3	0.2	16.2	0.4	B
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	4,013	61	99.9%				182	25	103.4%	63.1	0.7	12.4	0.5	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	3,832	74	99.8%				1,081	64	97.5%	63.3	0.2	10.5	0.4	B
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	2,753	49	100.8%							63.7	0.1	11.3	0.5	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	2,751	56	100.7%	197	25	97.4%				62.6	0.3	9.4	0.5	A
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	2,951	60	100.6%							63.7	0.1	12.2	0.5	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	2,949	62	100.5%	929	48	97.2%	35	12	102.4%	63.4	0.2	13.1	0.4	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	3,851	59	99.9%							63.2	0.2	16.3	0.4	B

Notes: Average density reported for the analysis area only; for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
101 US 50 WB: SR 99 On-Ramp	Merge	5,399	473	104.5%	2,225	304	114.8%				28.5	7.8	72.0	15.9	F
102 US 50 WB: SR 51 to 16th St	Weave	7,673	212	108.0%	1,202	67	99.3%	904	61	107.8%	47.9	2.3	40.6	4.2	E
103 US 50 WB: 10th St Off-Ramp	Diverge	7,997	154	107.0%				868	75	109.1%	57.4	3.9	26.5	3.2	C
104 US 50 WB: 10th St Off-Ramp to 15th St On-Ramp	Basic	7,135	141	106.8%							58.9	6.8	26.1	3.7	C
105 US 50 WB: 15th St to I-5	Weave	7,157	138	107.1%	657	60	99.1%	3,666	161	106.9%	53.1	8.6	28.3	6.3	D
106 US 50 WB: I-5 Off-Ramp to 5th St On-Ramp	Basic	4,232	178	108.1%							52.3	19.9	31.8	27.5	D
107 US 50 WB: 5th St On-Ramp	Merge	4,249	236	108.5%	244	30	99.3%				48.3	20.5	31.2	27.6	D
108 US 50 WB: I-5 On-Ramp	Merge	4,529	167	108.8%	561	52	101.4%				47.6	9.9	40.3	18.8	E
109 US 50 WB: Jefferson Blvd Off-Ramp	Basic	5,134	135	108.9%				1,919	121	110.0%	55.9	4.0	26.3	2.5	C
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	3,219	111	108.4%							62.0	1.3	19.6	1.7	B
111 US 50 WB: Tower Bridge Gtwy On-Ramp	Merge	3,228	85	108.7%	393	41	100.3%				63.5	0.1	12.1	0.8	B
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	3,630	84	108.0%							63.1	0.2	16.3	1.1	B
113 US 50 WB: Lane Add to Harbor Blvd	Basic	3,632	78	108.0%							63.0	0.2	13.1	0.9	B
114 US 50 WB: Harbor Blvd Off-Ramp	Diverge	3,634	81	108.1%				1,120	82	109.3%	63.4	0.2	12.9	0.8	B
115 US 50 WB: Harbor Blvd Off-Ramp to NB On-Ramp	Basic	2,528	58	108.1%							63.8	0.2	11.2	0.8	B
116 US 50 WB: Harbor Blvd NB On-Ramp	Basic	2,531	64	108.3%	385	34	100.8%				61.6	0.3	10.7	0.7	B
117 US 50 WB: Harbor Blvd SB On-Ramp	Merge	2,918	69	107.3%	252	31	101.4%				62.4	0.4	10.2	0.8	B
118 US 50 WB: I-80 EB Off-Ramp	Basic	3,172	74	106.9%				1,223	84	104.6%	61.3	0.9	11.6	0.7	B
119 US 50 WB: I-80 EB Off-Ramp to Lane Drop	Basic	1,950	51	108.4%							62.6	0.4	9.0	0.5	A
120 US 50 WB: Lane Drop to I-80 WB On-Ramp	Basic	1,954	41	108.6%							57.5	1.8	13.0	1.0	B
121 I-80 WB: US 50 to W Capitol Ave	Weave	1,958	81	108.8%	1,497	72	105.3%	413	35	102.0%	51.1	11.7	18.0	6.2	B
122 I-80 WB: W Capitol Ave Off-Ramp to Lane Drop	Basic	3,086	91	109.6%							38.3	12.5	27.1	8.6	C
123 I-80 WB: Lane Drop to W Capitol Ave EB On-Ramp	Basic	3,105	49	110.3%							37.7	10.0	36.1	9.1	E
124 I-80 WB: W Capitol Ave EB On-Ramp	Merge	3,120	53	110.8%	89	12	96.7%				34.3	10.1	33.3	8.6	D
125 I-80 WB: W Capitol Ave WB On-Ramp	Merge	3,227	57	111.0%	290	30	98.4%				39.3	6.6	32.3	5.8	D
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	3,544	52	110.7%							61.8	0.3	24.5	1.1	C
127 I-80 WB: County Rd 32A Off-Ramp	Diverge	3,630	60	113.3%				321	34	113.4%	60.9	1.2	25.5	1.3	C
128 I-80 WB: County Rd 32A Off-Ramp to On-Ramp	Basic	3,318	56	113.6%							62.0	0.3	23.0	0.9	C
129 I-80 WB: County Rd 32A On-Ramp	Merge	3,330	52	114.1%	14	7	98.6%				61.8	0.2	22.9	0.9	C
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	3,352	53	114.2%							61.7	0.2	23.5	0.8	C
131 I-80 WB: Mace Blvd Off-Ramp	Diverge	3,404	62	116.0%				1,024	53	108.2%	62.3	0.5	16.0	0.5	B
132 I-80 WB: Mace Blvd Off Ramp to On-Ramp	Basic	2,387	50	120.1%							62.9	0.2	17.4	0.7	B
133 I-80 WB: Mace Blvd On-Ramp	Merge	2,399	57	120.7%	340	39	98.5%				62.7	0.2	8.0	0.4	A
134 I-80 WB: Mace Blvd On-Ramp to Lane Drop	Basic	2,746	57	117.8%							62.5	0.3	14.6	0.6	B
135 I-80 WB: Lane Drop to Olive Dr	Basic	2,749	56	117.9%							62.5	0.3	19.5	0.7	B
136 I-80 WB: Olive Dr Off-Ramp	Diverge	2,769	51	118.8%				127	19	109.5%	62.2	0.6	19.7	0.8	B
137 I-80 WB: Olive Dr to Richards Blvd	Basic	2,653	51	119.7%							62.4	0.4	18.8	0.7	B
138 I-80 WB: Richards Blvd NB Off-Ramp	Diverge	2,656	54	119.9%				229	34	106.1%	62.4	0.4	18.8	0.8	B
139 I-80 WB: Richards Blvd NB Off-Ramp to NB On-Ramp	Basic	2,433	51	121.6%							62.7	0.3	17.4	0.6	B
140 I-80 WB: Richards Blvd NB On-Ramp to SB Off-Ramp	Weave	2,434	51	121.7%	265	34	98.4%	68	21	110.3%	61.4	0.5	17.5	0.7	B
141 I-80 WB: Richards Blvd SB Off-ramp to SB On-Ramp	Basic	2,639	50	119.6%							62.4	0.3	18.8	0.7	B
142 I-80 WB: Richards Blvd SB On-Ramp	Basic	2,640	49	119.6%	255	49	99.3%				63.3	0.1	14.9	0.6	B
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	2,903	61	117.8%							63.4	0.2	14.9	0.5	B
144 I-80 WB: Old Davis Rd Off-Ramp	Diverge	2,913	60	118.2%				142	24	117.3%	63.4	0.1	11.4	0.6	B
145 I-80 WB: SR 113 Off-Ramp	Diverge	2,774	72	118.4%				871	53	110.8%	63.5	0.1	9.7	0.5	A
146 I-80 WB: SR 113 Off-Ramp to Old Davis Rd On-Ramp	Basic	1,909	45	122.6%							63.9	0.2	10.1	0.5	B
147 I-80 WB: Old Davis Rd On-Ramp	Merge	1,919	46	123.3%	116	21	98.6%				63.2	0.1	8.0	0.6	A
148 I-80 WB: Old Davis Rd On-Ramp to SR 113 On-Ramp	Basic	2,042	53	121.9%							63.9	0.1	10.7	0.5	B
149 I-80 WB: SR 113 to Kidwell Rd	Weave	2,054	53	122.6%	719	60	99.4%	32	11	88.6%	63.8	0.2	11.8	0.4	B
150 I-80 WB: Kidwell Rd Off-Ramp to On-Ramp	Basic	2,761	52	116.8%							63.7	0.2	13.8	0.4	B

Notes: Average density reported for the analysis area only; for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 1)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	3,988	56	97.6%	17	8	93.9%				63.0	0.3	12.4	0.3	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,005	51	97.5%							61.3	0.3	16.9	0.5	B
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	4,002	48	97.5%							62.0	0.3	22.3	0.5	C
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	4,003	52	97.5%				180	21	91.1%	62.3	0.2	22.1	0.5	C
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	5,579	65	100.3%	615	45	99.2%	1,032	64	99.3%	61.4	0.4	25.2	0.7	C
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	5,150	57	100.2%							61.9	0.3	27.0	0.9	C
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	5,151	61	100.2%	224	29	101.4%				61.8	0.2	21.6	0.7	C
164 I-80 WB: Truxel Rd to I-5	Weave	5,373	77	100.2%	1,087	74	99.6%	3,492	118	100.1%	62.0	0.2	19.4	0.5	B
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	2,957	56	99.7%							63.5	0.2	14.7	0.5	B
166 I-80 WB: I-5 NB On-Ramp	Merge	2,957	51	99.7%	141	23	102.7%				62.5	0.2	12.9	0.5	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	3,095	54	99.7%	765	56	99.4%	406	40	98.9%	63.3	0.2	15.7	0.5	B
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	3,447	51	99.5%							63.2	0.2	17.2	0.5	B
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	3,446	53	99.5%	279	27	97.8%				62.1	0.3	15.9	0.5	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	3,725	51	99.4%	234	35	100.4%				62.1	0.3	15.9	0.5	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	3,959	56	99.5%							61.4	0.7	17.0	0.5	B
172 I-80 WB: Lane Drop to Reed Ave	Basic	3,958	51	99.4%							62.2	0.3	22.5	0.6	C
173 I-80 WB: Reed Ave Off-Ramp	Diverge	3,947	58	99.1%				886	54	98.5%	57.9	2.5	25.1	1.6	C
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	3,057	57	99.2%							62.7	0.6	17.2	0.6	B
175 I-80 WB: Reed Ave On-Ramp	Merge	3,058	49	99.2%	865	57	101.2%				57.3	1.2	21.9	0.9	C
176 I-80 WB: Reed Ave to US 50	Basic	3,919	47	99.5%							59.6	1.4	23.6	0.8	C
177 I-80 WB: US 50 Off-Ramp	Diverge	3,920	46	99.6%				1,609	54	100.7%	55.4	7.2	25.1	4.2	C
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	2,306	34	98.6%							61.0	2.2	13.3	0.6	B
179 I-80 WB: Lane Drop to US 50	Basic	2,305	30	98.6%							52.5	5.8	23.4	3.2	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 2)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	4,064	67	101.0%	13	6	104.2%				62.5	0.9	13.7	0.7	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,081	56	101.1%							61.0	0.6	17.2	0.5	B
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	4,082	54	101.1%							61.9	0.3	22.6	0.6	C
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	4,085	57	101.2%				167	24	100.6%	62.2	0.5	22.4	0.6	C
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	5,822	65	99.7%	670	46	100.5%	1,174	63	100.2%	60.7	0.5	26.5	0.8	C
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	5,326	70	99.9%							61.7	0.4	27.8	1.0	C
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	5,327	68	99.9%	200	27	100.7%				61.7	0.3	22.1	0.8	C
164 I-80 WB: Truxel Rd to I-5	Weave	5,530	88	100.0%	1,094	57	99.3%	3,467	142	100.4%	61.9	0.5	19.9	0.6	B
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	3,162	61	99.4%							63.6	0.2	15.3	0.7	B
166 I-80 WB: I-5 NB On-Ramp	Merge	3,161	51	99.4%	207	25	98.2%				62.1	0.2	14.1	0.7	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	3,366	55	99.3%	966	55	100.5%	463	44	98.9%	63.3	0.1	17.3	0.5	B
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	3,866	54	99.5%							63.1	0.2	19.2	0.7	B
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	3,864	55	99.5%	385	35	100.4%				62.1	0.4	17.2	0.6	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	4,246	58	99.5%	210	31	101.7%				62.1	0.4	17.2	0.6	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	4,452	54	99.5%							61.0	0.6	18.7	0.8	B
172 I-80 WB: Lane Drop to Reed Ave	Basic	4,453	50	99.6%							61.8	0.3	24.7	0.7	C
173 I-80 WB: Reed Ave Off-Ramp	Diverge	4,452	51	99.5%				1,221	69	98.3%	53.1	4.3	30.7	2.9	D
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	3,231	55	100.0%							61.9	0.5	18.1	0.6	B
175 I-80 WB: Reed Ave On-Ramp	Merge	3,233	49	100.1%	905	66	100.1%				55.6	2.3	23.1	1.9	C
176 I-80 WB: Reed Ave to US 50	Basic	4,141	58	100.1%							53.7	11.9	28.3	9.5	D
177 I-80 WB: US 50 Off-Ramp	Diverge	4,141	75	100.1%				1,848	89	99.6%	44.2	11.1	32.8	9.4	D
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	2,293	30	100.6%							60.7	3.3	12.9	1.0	B
179 I-80 WB: Lane Drop to US 50	Basic	2,294	33	100.6%							53.7	5.0	22.3	2.8	C

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 3)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	3,857	64	100.0%	5	4	94.0%				63.0	0.3	13.1	0.7	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	3,861	58	100.0%							61.4	0.6	16.6	0.4	B
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	3,863	53	100.1%							62.1	0.3	22.0	0.6	C
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	3,864	51	100.1%				199	20	88.6%	62.4	0.2	21.9	0.6	C
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	5,962	65	100.5%	513	47	98.7%	1,345	89	100.7%	61.4	0.4	25.1	0.7	C
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	5,119	65	100.1%							62.0	0.3	26.0	0.4	C
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	5,119	66	100.1%	205	25	99.6%				61.9	0.2	20.8	0.3	C
164 I-80 WB: Truxel Rd to I-5	Weave	5,324	80	100.1%	1,011	69	100.4%	3,375	123	100.2%	62.3	0.3	18.6	0.4	B
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	2,959	56	100.0%							63.6	0.2	14.5	0.6	B
166 I-80 WB: I-5 NB On-Ramp	Merge	2,959	51	100.0%	178	26	99.6%				62.3	0.3	13.3	0.5	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	3,138	47	100.0%	973	64	101.1%	515	43	97.9%	63.3	0.1	16.3	0.6	B
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	3,598	57	100.7%							63.1	0.2	18.0	0.7	B
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	3,599	63	100.7%	362	34	102.9%				62.2	0.3	16.4	0.5	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	3,958	62	100.8%	211	28	102.7%				62.2	0.3	16.4	0.5	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	4,169	57	100.9%							61.3	0.4	17.8	0.6	B
172 I-80 WB: Lane Drop to Reed Ave	Basic	4,170	52	100.9%							62.2	0.1	23.3	0.7	C
173 I-80 WB: Reed Ave Off-Ramp	Diverge	4,172	55	101.0%				1,182	60	100.4%	54.7	5.1	28.4	3.2	D
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	2,994	47	101.4%							62.0	0.7	16.7	0.6	B
175 I-80 WB: Reed Ave On-Ramp	Merge	2,994	44	101.3%	683	46	101.4%				58.9	1.0	19.9	0.8	B
176 I-80 WB: Reed Ave to US 50	Basic	3,677	45	101.3%							58.5	9.4	22.3	6.2	C
177 I-80 WB: US 50 Off-Ramp	Diverge	3,677	62	101.3%				1,718	77	102.0%	51.0	7.3	25.6	4.5	C
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	1,961	70	100.9%							52.6	21.1	18.8	20.0	B
179 I-80 WB: Lane Drop to US 50	Basic	1,959	88	100.8%							43.4	19.7	29.9	21.1	D

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

VISSIM Post-Processor  
Average Results from 10 Runs  
Freeway Operations Summary

I-80/US 50 Managed Lanes  
Existing Conditions  
PM Peak Period (Hour 4)

Location	Facility Type	Mainline Volume (vph)			On-ramp Volume (vph)			Off-ramp Volume (vph)			Speed (mph)		Density (vplpm)		LOS
		Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	%	Avg.	St. Dev.	Avg.	St. Dev.	
151 I-80 WB: Kidwell Rd On-Ramp	Merge	2,774	52	117.4%	13	6	100.8%				63.5	0.2	11.2	0.4	B
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	2,790	48	117.4%							62.5	0.4	14.1	0.5	B
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	2,793	45	117.5%							62.9	0.3	18.7	0.6	B
154 I-80 WB: Pedrick Rd Off-Ramp	Diverge	2,796	47	117.7%				139	17	114.0%	62.7	0.7	18.6	0.8	B
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	4,753	69	101.1%	365	32	101.0%	1,096	67	101.2%	62.0	0.4	21.9	0.7	C
162 I-80 WB: Truxel Rd Off-Ramp to NB On-Ramp	Basic	4,058	64	102.0%							62.5	0.2	22.5	0.8	C
163 I-80 WB: Truxel Rd NB On-Ramp	Basic	4,064	58	102.2%	238	25	99.9%				62.3	0.1	18.3	0.7	B
164 I-80 WB: Truxel Rd to I-5	Weave	4,308	68	102.2%	857	66	100.0%	3,023	112	101.6%	62.8	0.3	15.8	0.5	B
165 I-80 WB: I-5 Off-Ramp to NB On-Ramp	Basic	2,163	45	103.2%							64.0	0.2	11.3	0.5	B
166 I-80 WB: I-5 NB On-Ramp	Merge	2,168	45	103.4%	107	19	97.2%				63.0	0.2	10.3	0.4	B
167 I-80 WB: I-5 to W El Camino Ave	Weave	2,281	49	103.4%	650	55	99.2%	417	42	102.0%	63.8	0.1	12.5	0.5	B
168 I-80 WB: W El Camino Ave Off-Ramp to WB On-Ramp	Basic	2,531	46	103.2%							63.7	0.1	13.6	0.6	B
169 I-80 WB: W El Camino Ave WB On-Ramp	Merge	2,534	45	103.3%	207	31	97.9%				63.1	0.2	12.5	0.5	B
170 I-80 WB: W El Camino EB On-Ramp	Merge	2,748	53	103.2%	163	28	99.0%				63.1	0.2	12.5	0.5	B
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	2,918	50	103.2%							62.5	0.3	13.3	0.4	B
172 I-80 WB: Lane Drop to Reed Ave	Basic	2,920	45	103.2%							63.0	0.1	17.8	0.6	B
173 I-80 WB: Reed Ave Off-Ramp	Diverge	2,939	52	103.9%				869	51	103.8%	61.6	1.0	20.2	0.6	C
174 I-80 WB: Reed Ave Off-Ramp to On-Ramp	Basic	2,076	53	104.3%							63.5	0.2	12.7	0.5	B
175 I-80 WB: Reed Ave On-Ramp	Merge	2,084	47	104.7%	425	44	101.2%				61.8	0.3	14.1	0.4	B
176 I-80 WB: Reed Ave to US 50	Basic	2,517	47	104.4%							62.5	0.4	15.7	0.7	B
177 I-80 WB: US 50 Off-Ramp	Diverge	2,521	50	104.6%				1,048	66	106.1%	61.6	1.0	15.5	0.8	B
178 I-80 WB: US 50 Off-Ramp to Lane Drop	Basic	1,482	32	104.2%							61.8	5.2	9.3	0.7	A
179 I-80 WB: Lane Drop to US 50	Basic	1,485	33	104.4%							56.3	11.3	16.5	5.5	B

Notes: Average density reported for the analysis area only: for example, within the ramp influence area.  
Mainline volume is the upstream served volume for all lanes.

Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
 3 to 4 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	1,112	1,191	107.1%	39	1,132	1,246	2.3	31.0	7.9	19.0	44.5	C
2 E St-Richards Blvd/First St	Signal	1,554	1,648	106.0%	45	1,592	1,718	2.3	40.3	7.4	27.9	49.8	D
3 Richards Blvd/Olive Dr	Signal	1,653	1,766	106.8%	48	1,705	1,842	2.7	53.7	27.9	29.5	105.3	D
6 Enterprise Blvd/Lake Rd	Signal	1,630	1,638	100.5%	34	1,584	1,703	0.2	12.3	1.8	9.5	15.3	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,829	1,801	98.5%	27	1,755	1,831	0.7	12.9	1.0	11.8	14.8	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,028	1,008	98.0%	28	968	1,043	0.6	14.3	1.6	12.1	17.0	B

Network Summary

Total Demand Volume (veh/hr)	8,806
Total Volume Served (veh/hr)	9,050
Percent Served	102.8%
GEH Statistic	2.6

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.



Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
3 to 4 PM

**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	36	38	106.7%	21.4	5.7	C
	Through	26	26	98.5%	29.6	8.1	C
	Right Turn	60	60	100.3%	26.8	7.9	C
	Subtotal	122	124	101.8%	26.3	2.8	C
SB	Left Turn	91	91	100.4%	41.0	7.1	D
	Through	17	17	98.8%	32.7	23.7	C
	Right Turn	18	17	94.4%	13.0	7.4	B
	Subtotal	126	125	99.4%	36.2	7.0	D
EB	Left Turn	9	8	91.1%	55.3	34.7	E
	Through	410	443	108.0%	50.6	17.1	D
	Right Turn	23	22	93.5%	49.7	22.2	D
	Subtotal	442	472	106.9%	50.8	17.2	D
WB	Left Turn	33	33	100.0%	32.6	7.5	C
	Through	299	340	113.6%	7.8	0.9	A
	Right Turn	90	96	107.0%	8.1	2.0	A
	Subtotal	422	469	111.1%	9.8	1.2	A
Total		1,112	1,191	107.1%	31.1	7.8	C

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	329	378	115.0%	28.4	8.6	C
	Through	28	28	100.4%	34.2	10.3	C
	Right Turn	199	225	112.9%	11.3	6.2	B
	Subtotal	556	631	113.5%	22.8	7.3	C
SB	Left Turn	36	36	99.4%	56.5	9.4	E
	Through	69	73	105.9%	65.4	14.0	E
	Right Turn	33	31	94.8%	14.4	5.3	B
	Subtotal	138	140	101.6%	50.5	9.7	D
EB	Left Turn	2	1	70.0%	23.5	50.2	C
	Through	53	54	101.1%	93.7	13.0	F
	Right Turn	520	542	104.2%	14.2	1.5	B
	Subtotal	575	597	103.8%	20.5	1.8	C
WB	Left Turn	219	216	98.8%	120.2	43.3	F
	Through	65	62	95.5%	107.5	33.0	F
	Right Turn	1	1	110.0%	1.1	3.6	A
	Subtotal	285	280	98.1%	117.5	40.9	F
Total		1,554	1,648	106.0%	40.4	7.5	D

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
3 to 4 PM

Intersection 3 Richards Blvd/Olive Dr Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	38	43	114.2%	145.4	68.1	F
	Through	426	516	121.1%	23.2	2.6	C
	Right Turn	48	49	102.7%	5.0	2.2	A
	Subtotal	512	609	118.9%	31.3	4.9	C
SB	Left Turn	77	79	102.2%	45.0	8.5	D
	Through	696	717	103.0%	10.2	2.4	B
	Right Turn	33	34	101.5%	8.7	3.3	A
	Subtotal	806	829	102.9%	13.7	2.4	B
EB	Left Turn	21	21	101.0%	44.9	22.1	D
	Through	11	9	83.6%	47.0	29.5	D
	Right Turn	51	52	101.2%	21.8	12.1	C
	Subtotal	83	82	98.8%	32.2	13.6	C
WB	Left Turn	139	136	97.8%	308.1	261.0	F
	Through	17	16	92.9%	135.2	138.7	F
	Right Turn	96	94	97.7%	191.9	243.5	F
	Subtotal	252	246	97.4%	257.9	255.4	F
Total		1,653	1,766	106.8%	54.6	29.4	D

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	53	54	100.9%	24.5	7.0	C
	Through	947	956	101.0%	12.8	1.8	B
	Right Turn	9	12	133.3%	6.0	3.4	A
	Subtotal	1,009	1,022	101.2%	13.4	2.1	B
SB	Left Turn	35	39	112.0%	22.9	9.8	C
	Through	380	375	98.6%	7.1	1.3	A
	Right Turn	66	66	99.4%	3.2	1.0	A
	Subtotal	481	480	99.7%	7.7	1.1	A
EB	Left Turn	100	97	97.0%	24.9	3.6	C
	Through	3	3	93.3%	16.9	18.8	B
	Right Turn	18	17	93.9%	8.0	0.9	A
	Subtotal	121	117	96.4%	22.0	3.2	C
WB	Left Turn	13	14	103.8%	27.2	14.4	C
	Through	1	1	60.0%	1.2	3.7	A
	Right Turn	5	6	110.0%	9.4	4.0	A
	Subtotal	19	20	103.2%	21.8	9.4	C
Total		1,630	1,638	100.5%	12.3	1.8	B

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
3 to 4 PM

**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	837	844	100.8%	14.8	1.6	B
	Through	215	212	98.7%	4.8	1.0	A
	Right Turn						
	Subtotal	1,052	1,056	100.4%	12.8	1.3	B
SB	Left Turn						
	Through	227	229	100.9%	19.0	2.3	B
	Right Turn	212	189	89.1%	10.0	2.4	A
	Subtotal	439	418	95.2%	14.9	1.4	B
EB	Left Turn	84	74	88.5%	22.9	3.3	C
	Through						
	Right Turn	254	252	99.4%	7.2	1.9	A
	Subtotal	338	327	96.7%	10.7	2.0	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,829	1,801	98.5%	12.9	1.0	B

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	362	345	95.4%	17.7	2.4	B
	Through	42	44	104.8%	17.4	3.8	B
	Right Turn	60	64	105.8%	4.8	2.1	A
	Subtotal	464	453	97.6%	16.0	1.9	B
SB	Left Turn	6	7	111.7%	27.8	16.1	C
	Through						
	Right Turn	21	21	101.0%	7.0	3.1	A
	Subtotal	27	28	103.3%	15.7	6.8	B
EB	Left Turn	84	74	88.6%	22.5	5.2	C
	Through	147	146	99.3%	8.4	2.5	A
	Right Turn	83	82	98.4%	1.4	0.5	A
	Subtotal	314	302	96.2%	10.6	3.1	B
WB	Left Turn						
	Through	217	220	101.5%	15.7	2.5	B
	Right Turn	6	5	75.0%	5.9	6.2	A
	Subtotal	223	225	100.8%	15.6	2.5	B
Total		1,028	1,008	98.0%	14.4	1.6	B

Vissim Post-Processor  
 Average Results from 10 Runs  
 Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
 Existing Conditions  
 4 to 5 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	1,196	1,239	103.6%	30	1,189	1,275	1.2	33.7	9.4	25.3	52.3	C
2 E St-Richards Blvd/First St	Signal	1,670	1,710	102.4%	31	1,665	1,762	1.0	45.2	10.4	29.7	60.5	D
3 Richards Blvd/Olive Dr	Signal	1,778	1,830	102.9%	36	1,768	1,874	1.2	95.0	55.1	31.9	230.6	F
6 Enterprise Blvd/Lake Rd	Signal	1,681	1,687	100.4%	36	1,622	1,739	0.1	12.1	1.7	9.7	14.9	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,932	1,924	99.6%	38	1,876	2,009	0.2	13.3	0.8	11.9	14.4	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,277	1,278	100.1%	31	1,209	1,320	0.0	14.2	1.3	12.1	15.7	B

Network Summary

Total Demand Volume (veh/hr)	9,534
Total Volume Served (veh/hr)	9,667
Percent Served	101.4%
GEH Statistic	1.4

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
4 to 5 PM

Intersection 1		D St/First St			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	39	35	89.2%	21.8	4.2	C
	Through	28	28	100.4%	26.8	8.6	C
	Right Turn	65	63	96.2%	43.7	28.7	D
	Subtotal	132	125	95.0%	34.6	16.1	C
SB	Left Turn	98	103	104.7%	42.3	12.6	D
	Through	18	18	101.7%	38.6	12.5	D
	Right Turn	19	18	94.7%	10.5	3.5	B
	Subtotal	135	139	102.9%	37.2	9.0	D
EB	Left Turn	10	11	110.0%	58.8	27.6	E
	Through	441	469	106.4%	54.3	16.5	D
	Right Turn	25	26	104.8%	45.3	20.2	D
	Subtotal	476	507	106.4%	54.2	16.3	D
WB	Left Turn	35	39	110.3%	29.0	5.7	C
	Through	321	324	100.9%	7.7	2.5	A
	Right Turn	97	105	108.6%	6.5	1.9	A
	Subtotal	453	468	103.3%	9.6	2.0	A
Total		1,196	1,239	103.6%	33.7	9.4	C

Intersection 2		E St-Richards Blvd/First St			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	354	354	99.9%	29.0	9.7	C
	Through	30	34	114.7%	33.4	15.7	C
	Right Turn	214	230	107.6%	12.2	6.9	B
	Subtotal	598	618	103.4%	23.1	9.1	C
SB	Left Turn	39	39	98.7%	52.2	10.9	D
	Through	74	72	97.2%	57.7	7.7	E
	Right Turn	35	36	103.7%	15.6	6.5	B
	Subtotal	148	147	99.1%	45.3	9.2	D
EB	Left Turn	2	2	105.0%	39.0	69.7	D
	Through	57	57	99.6%	112.6	19.8	F
	Right Turn	559	572	102.3%	14.5	2.0	B
	Subtotal	618	631	102.1%	24.3	3.7	C
WB	Left Turn	235	239	101.5%	132.9	56.5	F
	Through	70	75	106.4%	119.3	53.4	F
	Right Turn	1	1	90.0%	7.9	16.7	A
	Subtotal	306	314	102.6%	129.7	55.6	F
Total		1,670	1,710	102.4%	45.2	10.5	D

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
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**Intersection 3**                      **Richards Blvd/Olive Dr**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	41	42	102.9%	198.6	122.1	F
	Through	458	495	108.1%	25.9	20.0	C
	Right Turn	52	57	109.6%	6.4	9.7	A
	Subtotal	551	595	107.9%	36.4	26.4	D
SB	Left Turn	83	85	102.7%	42.7	5.9	D
	Through	748	759	101.5%	9.1	2.3	A
	Right Turn	36	38	106.7%	9.5	5.7	A
	Subtotal	867	883	101.8%	12.2	2.6	B
EB	Left Turn	23	26	111.3%	49.6	19.1	D
	Through	12	12	100.8%	41.5	31.4	D
	Right Turn	55	56	101.5%	24.2	12.9	C
	Subtotal	90	94	103.9%	34.5	14.6	C
WB	Left Turn	149	138	92.4%	592.1	401.9	F
	Through	18	18	98.9%	454.0	382.4	F
	Right Turn	103	104	100.6%	431.9	379.3	F
	Subtotal	270	259	96.0%	519.4	395.0	F
Total		1,778	1,830	102.9%	95.1	55.1	F

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	35	39	110.0%	25.7	9.6	C
	Through	972	971	99.9%	13.1	2.1	B
	Right Turn	14	16	114.3%	7.8	3.6	A
	Subtotal	1,021	1,026	100.4%	13.5	2.2	B
SB	Left Turn	29	30	104.1%	20.7	4.6	C
	Through	483	476	98.6%	6.7	1.1	A
	Right Turn	51	56	108.8%	4.5	2.4	A
	Subtotal	563	562	99.8%	7.3	1.2	A
EB	Left Turn	67	71	105.2%	24.4	2.2	C
	Through	1	1	60.0%	4.5	7.5	A
	Right Turn	12	12	99.2%	8.7	1.0	A
	Subtotal	80	83	103.8%	21.8	1.5	C
WB	Left Turn	6	5	88.3%	16.5	13.2	B
	Through	1	1	140.0%	10.8	24.3	B
	Right Turn	10	10	101.0%	9.7	3.9	A
	Subtotal	17	17	98.8%	14.2	7.4	B
Total		1,681	1,687	100.4%	12.1	1.7	B

Vissim Post-Processor  
Average Results from 10 Runs  
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**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	772	769	99.6%	17.4	1.7	B
	Through	277	283	102.2%	5.2	1.4	A
	Right Turn						
	Subtotal	1,049	1,052	100.3%	14.3	1.3	B
SB	Left Turn						
	Through	244	243	99.8%	19.6	2.1	B
	Right Turn	216	206	95.5%	10.1	1.9	B
	Subtotal	460	450	97.7%	15.0	1.3	B
EB	Left Turn	104	106	101.6%	18.9	2.5	B
	Through						
	Right Turn	319	317	99.3%	7.2	0.7	A
	Subtotal	423	423	99.9%	10.1	1.1	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,932	1,924	99.6%	13.3	0.8	B

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	289	296	102.5%	17.8	2.0	B
	Through	45	41	90.7%	18.3	4.3	B
	Right Turn	65	63	97.4%	3.7	1.8	A
	Subtotal	399	400	100.3%	15.8	2.0	B
SB	Left Turn	6	7	110.0%	24.5	12.7	C
	Through						
	Right Turn	23	24	103.5%	8.5	1.3	A
	Subtotal	29	30	104.8%	12.4	3.5	B
EB	Left Turn	91	80	87.9%	22.1	4.7	C
	Through	159	170	106.6%	9.4	1.0	A
	Right Turn	150	155	103.1%	1.8	0.5	A
	Subtotal	400	404	101.0%	9.5	1.4	A
WB	Left Turn						
	Through	442	436	98.7%	17.1	2.0	B
	Right Turn	7	7	104.3%	14.4	9.3	B
	Subtotal	449	443	98.8%	17.1	1.9	B
Total		1,277	1,278	100.1%	14.2	1.4	B

Vissim Post-Processor  
Average Results from 10 Runs  
Overall Intersection Volume and Delay

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Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	992	1,020	102.8%	54	896	1,074	0.9	31.7	11.1	22.6	62.1	C
2 E St-Richards Blvd/First St	Signal	1,649	1,692	102.6%	50	1,614	1,777	1.0	57.3	13.8	32.6	75.4	E
3 Richards Blvd/Olive Dr	Signal	1,862	1,883	101.1%	48	1,818	1,965	0.5	133.6	66.0	39.8	249.0	F
6 Enterprise Blvd/Lake Rd	Signal	1,536	1,556	101.3%	36	1,500	1,630	0.5	11.8	2.2	8.6	15.1	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,782	1,794	100.6%	41	1,716	1,882	0.3	15.7	1.5	13.0	18.4	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,530	1,515	99.0%	31	1,465	1,556	0.4	18.2	7.3	11.2	30.9	B

Network Summary

Total Demand Volume (veh/hr)	9,351
Total Volume Served (veh/hr)	9,458
Percent Served	101.1%
GEH Statistic	1.1

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.



Vissim Post-Processor  
Average Results from 10 Runs  
Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
5 to 6 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	992	1,020	102.8%	54	896	1,074	0.9	31.7	11.1	22.6	62.1	C
2 E St-Richards Blvd/First St	Signal	1,649	1,692	102.6%	50	1,614	1,777	1.0	57.3	13.8	32.6	75.4	E
3 Richards Blvd/Olive Dr	Signal	1,862	1,883	101.1%	48	1,818	1,965	0.5	133.6	66.0	39.8	249.0	F
6 Enterprise Blvd/Lake Rd	Signal	1,536	1,556	101.3%	36	1,500	1,630	0.5	11.8	2.2	8.6	15.1	B
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,782	1,794	100.6%	41	1,716	1,882	0.3	15.7	1.5	13.0	18.4	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	1,530	1,515	99.0%	31	1,465	1,556	0.4	18.2	7.3	11.2	30.9	B

Network Summary

Total Demand Volume (veh/hr)	9,351
Total Volume Served (veh/hr)	9,458
Percent Served	101.1%
GEH Statistic	1.1

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
5 to 6 PM

**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	12	11	93.3%	32.5	9.8	C
	Through	26	26	100.8%	30.9	8.8	C
	Right Turn	40	42	104.8%	33.9	18.0	C
	Subtotal	78	79	101.7%	32.8	9.8	C
SB	Left Turn	83	82	99.3%	39.2	7.9	D
	Through	19	19	97.4%	30.7	7.4	C
	Right Turn	22	22	99.5%	14.3	5.8	B
	Subtotal	124	123	99.0%	33.4	5.7	C
EB	Left Turn	9	9	96.7%	59.7	16.0	E
	Through	364	353	97.1%	52.5	24.3	D
	Right Turn	25	24	96.0%	44.6	22.8	D
	Subtotal	398	386	97.0%	52.1	23.5	D
WB	Left Turn	30	33	109.0%	36.0	6.1	D
	Through	313	346	110.6%	7.8	2.7	A
	Right Turn	49	53	107.3%	9.5	7.9	A
	Subtotal	392	432	110.1%	10.4	3.1	B
Total		992	1,020	102.8%	31.7	11.1	C

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	330	364	110.2%	29.5	4.1	C
	Through	93	103	111.2%	29.0	6.9	C
	Right Turn	229	246	107.6%	9.4	3.8	A
	Subtotal	652	713	109.4%	22.8	3.4	C
SB	Left Turn	5	5	106.0%	46.7	38.9	D
	Through	171	170	99.5%	67.3	7.5	E
	Right Turn	30	31	102.7%	23.7	14.4	C
	Subtotal	206	206	100.1%	60.7	8.3	E
EB	Left Turn	7	7	95.7%	72.0	66.5	E
	Through	31	35	111.6%	96.5	18.0	F
	Right Turn	460	441	95.9%	15.9	2.5	B
	Subtotal	498	483	96.9%	22.3	4.2	C
WB	Left Turn	251	246	98.2%	198.0	69.6	F
	Through	36	39	107.2%	175.1	75.8	F
	Right Turn	6	5	76.7%	120.3	88.6	F
	Subtotal	293	290	98.8%	193.9	69.0	F
Total		1,649	1,692	102.6%	57.5	13.6	E

Vissim Post-Processor  
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Intersection 3 Richards Blvd/Olive Dr Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	40	47	117.3%	149.8	91.1	F
	Through	472	535	113.4%	24.1	4.4	C
	Right Turn	54	58	108.0%	5.9	2.9	A
	Subtotal	566	641	113.2%	32.4	9.3	C
SB	Left Turn	103	96	93.3%	50.4	14.0	D
	Through	776	747	96.3%	10.0	3.3	B
	Right Turn	16	17	105.0%	10.4	7.5	B
	Subtotal	895	860	96.1%	14.7	4.1	B
EB	Left Turn	29	28	95.5%	53.6	25.5	D
	Through	7	7	97.1%	28.6	25.4	C
	Right Turn	54	53	97.8%	22.4	18.6	C
	Subtotal	90	87	97.0%	33.1	18.5	C
WB	Left Turn	147	144	98.1%	742.7	373.7	F
	Through	7	7	98.6%	450.7	383.3	F
	Right Turn	157	144	91.6%	602.6	348.5	F
	Subtotal	311	295	94.8%	672.3	363.7	F
Total		1,862	1,883	101.1%	134.4	66.2	F

Intersection 6 Enterprise Blvd/Lake Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	40	41	103.3%	25.3	6.3	C
	Through	763	778	101.9%	12.6	2.9	B
	Right Turn	11	11	103.6%	5.6	3.4	A
	Subtotal	814	831	102.0%	13.1	3.0	B
SB	Left Turn	21	23	107.1%	23.5	9.7	C
	Through	529	528	99.8%	8.0	2.1	A
	Right Turn	55	60	109.3%	6.2	2.2	A
	Subtotal	605	610	100.9%	8.4	2.0	A
EB	Left Turn	75	72	95.6%	24.9	6.3	C
	Through	8	8	101.3%	25.9	14.6	C
	Right Turn	10	9	90.0%	6.9	4.7	A
	Subtotal	93	89	95.5%	23.9	5.8	C
WB	Left Turn	5	5	108.0%	18.6	18.0	B
	Through	7	7	92.9%	30.2	13.7	C
	Right Turn	12	14	116.7%	11.1	3.9	B
	Subtotal	24	26	107.9%	17.5	5.8	B
Total		1,536	1,556	101.3%	11.8	2.2	B

Vissim Post-Processor  
Average Results from 10 Runs  
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5 to 6 PM

**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	600	602	100.4%	21.1	2.1	C
	Through	250	263	105.3%	8.3	1.8	A
	Right Turn						
	Subtotal	850	866	101.8%	17.2	1.8	B
SB	Left Turn						
	Through	242	239	98.8%	24.8	3.7	C
	Right Turn	166	164	98.5%	10.5	1.7	B
	Subtotal	408	403	98.7%	18.5	2.0	B
EB	Left Turn	161	154	95.9%	19.5	2.1	B
	Through						
	Right Turn	363	371	102.2%	9.7	1.4	A
	Subtotal	524	525	100.2%	12.6	1.2	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,782	1,794	100.6%	15.9	1.3	B

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	319	311	97.6%	38.1	29.7	D
	Through	52	49	93.8%	39.9	24.5	D
	Right Turn	38	39	102.1%	24.4	26.6	C
	Subtotal	409	399	97.5%	37.2	29.0	D
SB	Left Turn	9	8	85.6%	22.7	16.9	C
	Through						
	Right Turn	18	18	101.1%	7.2	2.9	A
	Subtotal	27	26	95.9%	15.2	12.7	B
EB	Left Turn	55	53	96.2%	21.3	4.1	C
	Through	155	159	102.8%	9.1	1.2	A
	Right Turn	213	217	101.8%	2.3	0.6	A
	Subtotal	423	429	101.4%	6.8	0.7	A
WB	Left Turn						
	Through	667	657	98.4%	14.6	1.0	B
	Right Turn	4	4	110.0%	8.4	10.5	A
	Subtotal	671	661	98.5%	14.6	1.0	B
Total		1,530	1,515	99.0%	18.2	7.3	B

Vissim Post-Processor  
Average Results from 10 Runs  
Overall Intersection Volume and Delay

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

Intersection	Control	Demand Volume (vph)	Served Volume (vph)						Total Delay (sec/veh)				
			Average	Percent Served	Standard Deviation	Minimum	Maximum	GEH Statistic	Average	Std. Dev.	Minimum	Maximum	LOS
1 D St/First St	Signal	853	895	105.0%	175	414	1,020	1.4	19.9	6.7	3.6	27.7	B
2 E St-Richards Blvd/First St	Signal	1,419	1,543	108.7%	146	1,137	1,628	3.2	41.5	9.7	24.4	56.6	D
3 Richards Blvd/Olive Dr	Signal	1,602	1,741	108.7%	145	1,331	1,806	3.4	143.2	83.8	26.2	274.7	F
6 Enterprise Blvd/Lake Rd	Signal	992	1,020	102.8%	23	982	1,044	0.9	6.9	1.7	5.1	10.8	A
7 Enterprise Blvd/I-80 EB Ramps	Signal	1,178	1,198	101.7%	30	1,145	1,240	0.6	11.6	0.9	10.0	13.0	B
8 Driveway-I-80 WB Ramps/W Capitol Ave	Signal	840	849	101.1%	14	825	874	0.3	12.7	2.8	9.4	18.7	B

Network Summary

Total Demand Volume (veh/hr)	6,884
Total Volume Served (veh/hr)	7,246
Percent Served	105.3%
GEH Statistic	4.3

Note: For Side-street Stop and Uncontrolled intersections, the highest delay by movement is reported. The movement with the highest delay is reported as the worst movement.

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

**Intersection 1**                      **D St/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	10	10	102.0%	28.3	11.9	C
	Through	22	21	93.2%	27.0	12.5	C
	Right Turn	34	33	97.9%	15.0	7.0	B
	Subtotal	66	64	97.0%	21.4	8.7	C
SB	Left Turn	71	62	87.0%	28.8	12.5	C
	Through	16	15	91.9%	27.9	14.8	C
	Right Turn	19	15	78.9%	9.3	4.0	A
	Subtotal	106	92	86.3%	25.5	10.8	C
EB	Left Turn	8	7	90.0%	39.0	17.2	D
	Through	313	292	93.4%	32.1	14.0	C
	Right Turn	22	20	92.3%	23.1	11.7	C
	Subtotal	343	320	93.2%	31.7	13.8	C
WB	Left Turn	26	27	102.3%	35.4	7.8	D
	Through	270	347	128.5%	7.1	0.9	A
	Right Turn	42	47	110.7%	7.3	2.2	A
	Subtotal	338	420	124.3%	8.5	0.9	A
Total		853	895	105.0%	19.9	6.7	B

**Intersection 2**                      **E St-Richards Blvd/First St**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	284	363	127.9%	30.0	8.4	C
	Through	80	84	105.0%	28.0	9.9	C
	Right Turn	197	268	135.9%	12.0	6.7	B
	Subtotal	561	715	127.4%	23.0	7.8	C
SB	Left Turn	4	4	110.0%	41.6	35.6	D
	Through	147	153	104.3%	61.7	6.1	E
	Right Turn	26	24	93.1%	18.9	5.8	B
	Subtotal	177	182	102.8%	56.2	5.9	E
EB	Left Turn	6	7	110.0%	70.4	56.3	E
	Through	27	26	95.6%	83.6	32.6	F
	Right Turn	396	353	89.2%	15.0	5.7	B
	Subtotal	429	386	89.9%	20.8	7.8	C
WB	Left Turn	216	225	103.9%	119.2	45.6	F
	Through	31	31	100.6%	96.2	55.7	F
	Right Turn	5	5	92.0%	64.6	60.5	E
	Subtotal	252	260	103.3%	115.4	46.6	F
Total		1,419	1,543	108.7%	41.6	9.7	D

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

**Intersection 3**                      **Richards Blvd/Olive Dr**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	34	35	103.5%	147.1	103.9	F
	Through	406	545	134.1%	24.1	2.8	C
	Right Turn	46	51	110.2%	5.8	3.5	A
	Subtotal	486	631	129.7%	30.0	8.2	C
SB	Left Turn	89	84	93.9%	46.3	6.0	D
	Through	668	636	95.1%	10.6	1.7	B
	Right Turn	14	11	81.4%	8.7	8.4	A
	Subtotal	771	731	94.7%	14.9	2.8	B
EB	Left Turn	25	27	108.4%	57.2	29.4	E
	Through	6	6	101.7%	44.3	37.9	D
	Right Turn	46	49	106.1%	27.7	18.8	C
	Subtotal	77	82	106.5%	39.8	21.2	D
WB	Left Turn	127	140	110.4%	801.1	466.2	F
	Through	6	8	131.7%	486.9	558.4	F
	Right Turn	135	150	111.2%	633.0	437.2	F
	Subtotal	268	298	111.3%	718.1	453.2	F
Total		1,602	1,741	108.7%	143.9	83.4	F

**Intersection 6**                      **Enterprise Blvd/Lake Rd**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	30	30	100.7%	13.5	4.0	B
	Through	430	434	101.0%	6.6	1.5	A
	Right Turn	6	7	111.7%	4.7	3.7	A
	Subtotal	466	471	101.1%	6.9	1.5	A
SB	Left Turn	25	26	104.8%	11.9	4.6	B
	Through	386	408	105.7%	5.9	2.5	A
	Right Turn	42	45	107.6%	2.9	1.4	A
	Subtotal	453	479	105.8%	6.0	2.2	A
EB	Left Turn	58	58	100.0%	15.9	2.0	B
	Through						
	Right Turn	9	7	80.0%	6.9	3.9	A
	Subtotal	67	65	97.3%	14.9	2.3	B
WB	Left Turn	1	0	30.0%	0.0	0.0	A
	Through						
	Right Turn	5	4	74.0%	4.5	4.8	A
	Subtotal	6	4	66.7%	4.5	4.8	A
Total		992	1,020	102.8%	7.0	1.7	A

Vissim Post-Processor  
Average Results from 10 Runs  
Volume and Delay by Movement

I-80/US 50 Managed Lanes  
Existing Conditions  
6 to 7 PM

**Intersection 7**                      **Enterprise Blvd/I-80 EB Ramps**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	379	379	99.9%	16.0	1.2	B
	Through	114	120	105.1%	5.4	1.7	A
	Right Turn						
	Subtotal	493	499	101.1%	13.5	1.0	B
SB	Left Turn						
	Through	162	173	106.9%	15.9	2.3	B
	Right Turn	98	95	97.3%	7.7	0.9	A
	Subtotal	260	269	103.3%	13.1	1.5	B
EB	Left Turn	134	125	93.1%	15.1	2.5	B
	Through						
	Right Turn	291	306	105.0%	6.4	0.4	A
	Subtotal	425	430	101.2%	8.9	1.1	A
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,178	1,198	101.7%	11.7	0.9	B

**Intersection 8**                      **Driveway-I-80 WB Ramps/W Capitol Ave**                      **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	345	349	101.2%	16.3	6.0	B
	Through	35	35	100.9%	17.3	8.3	B
	Right Turn	25	29	114.8%	7.7	6.6	A
	Subtotal	405	413	102.0%	15.6	5.8	B
SB	Left Turn	6	6	105.0%	17.1	12.1	B
	Through						
	Right Turn	12	15	120.8%	8.2	2.4	A
	Subtotal	18	21	115.6%	13.4	5.1	B
EB	Left Turn	37	33	87.8%	21.1	3.3	C
	Through	127	134	105.7%	8.5	1.7	A
	Right Turn	92	89	96.2%	1.4	0.3	A
	Subtotal	256	255	99.7%	7.8	1.1	A
WB	Left Turn						
	Through	158	155	98.3%	13.6	1.7	B
	Right Turn	3	5	150.0%	4.7	5.0	A
	Subtotal	161	160	99.3%	13.5	1.8	B
Total		840	849	101.1%	12.7	2.8	B



**Vissim Post-Processor**  
**Average Results from 10 Runs**  
**Network Statistics**

**I-80/US 50 Managed Lanes**  
**Existing Conditions**  
**PM Peak Period**

Performance Measure	Vehicle Types	Average	Std. Dev.	Minimum	Maximum
Average Delay (seconds)	All	109.9	7.41	101.3	123.8
Total Delay (hours)	All	3,444	234	3,171	3,885
Average Stopped Delay (seconds)	All	16.3	2.43	12.7	21.6
Total Stopped Delay (hours)	All	512	76	399	678
Total Distance Traveled (miles)	All	577,849	1,756	574,701	580,178
Average Speed (mph)	All	45.1	0.83	43.6	46.0
Average Number of Stops	All	5.3	0.57	4.6	6.3
Total Number of Stops	All	594,413	65,035	515,162	712,258
Total Travel Time (hours)	All	12,810.1	231.6	12,488.7	13,239.0
Vehicles Active	All	1,858	48	1,777	1,930
Vehicles Arrived	All	110,967	250	110,609	111,374

# **Appendix C:**

# **Collision History**

## Memorandum

**To:** JONATHAN HO  
Freeway Operations Branch

**Date:** September 21, 2021

**File:** I-80/US 50 Managed Lanes

**From:** Jason Huang  
District 3 Office of Traffic Safety

**Subject:** REQUEST FOR 3-YEAR COLLISION ANALYSIS

The contents of these reports shall be considered confidential and may be privileged pursuant to 23 U.S.C. Section 409 and are for the sole use of the intended recipient(s). Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

The tables below summarize collision rates for the segment of the project on Interstates 50, 80, and 113 mainline and ramps in Sacramento, and Solano, and Yolo county. The Table B report was generated on September 16, 2021, and it depicts existing collision rates per million vehicle miles for the most recent 5-year period from 01/01/2015 to 12/31/2019 from the Traffic Accident Surveillance and Analysis System (TASAS).

The tables below summarize and compare the actual collision rates for the segments of US-50, US-80, US-113 in Sacramento, and Solano, and Yolo county to the average rates for similar facilities throughout the State. The Total collision rates include all reported collisions: Fatal, Injury, and Property Damage.

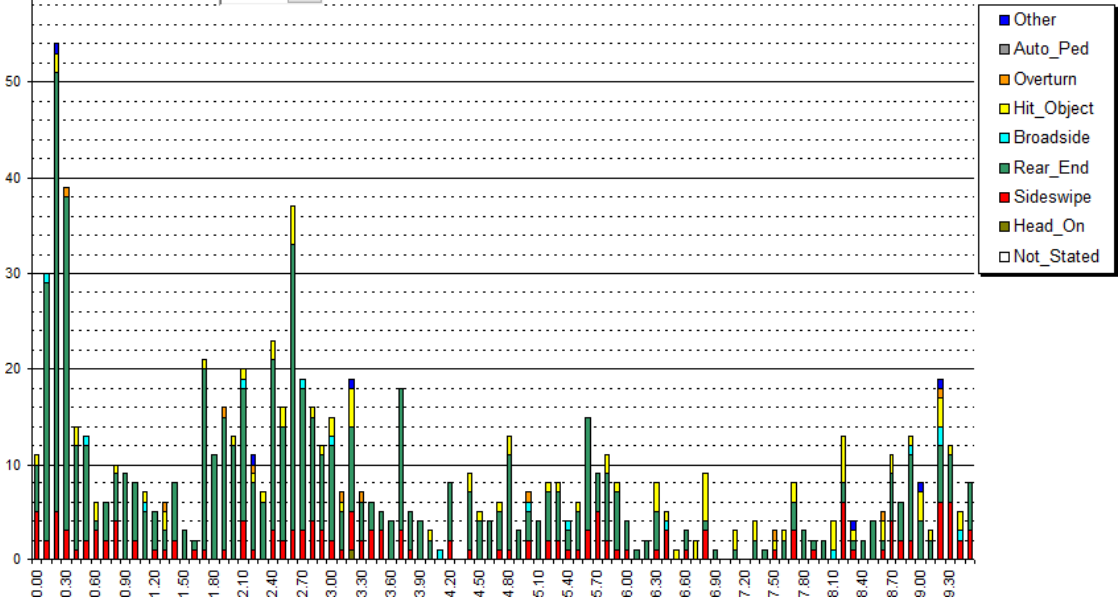
Eastbound I-80 from the Solano County Line to US 50

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	857	4	325	770	87	267	4		486
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.003	0.27	0.70			0.006	0.22	0.67		

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**

Each bar represents  miles.



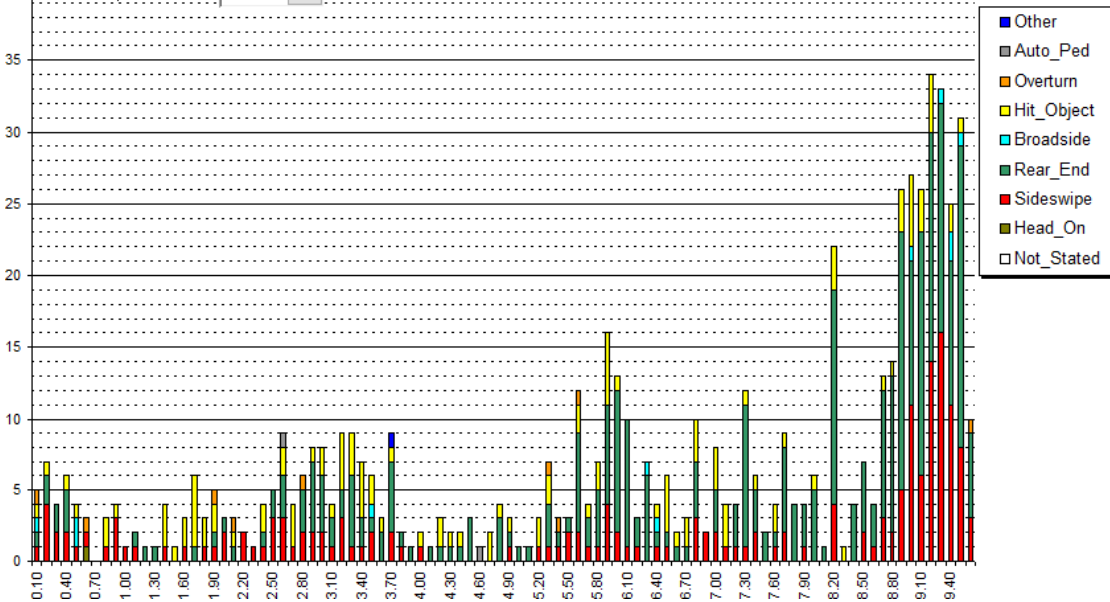
Westbound I-80 from the Solano County Line to US 50

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	647	6	219	537	49	196	8		316
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.005	0.18	0.53			0.006	0.22	0.67		

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**

Each bar represents  miles.

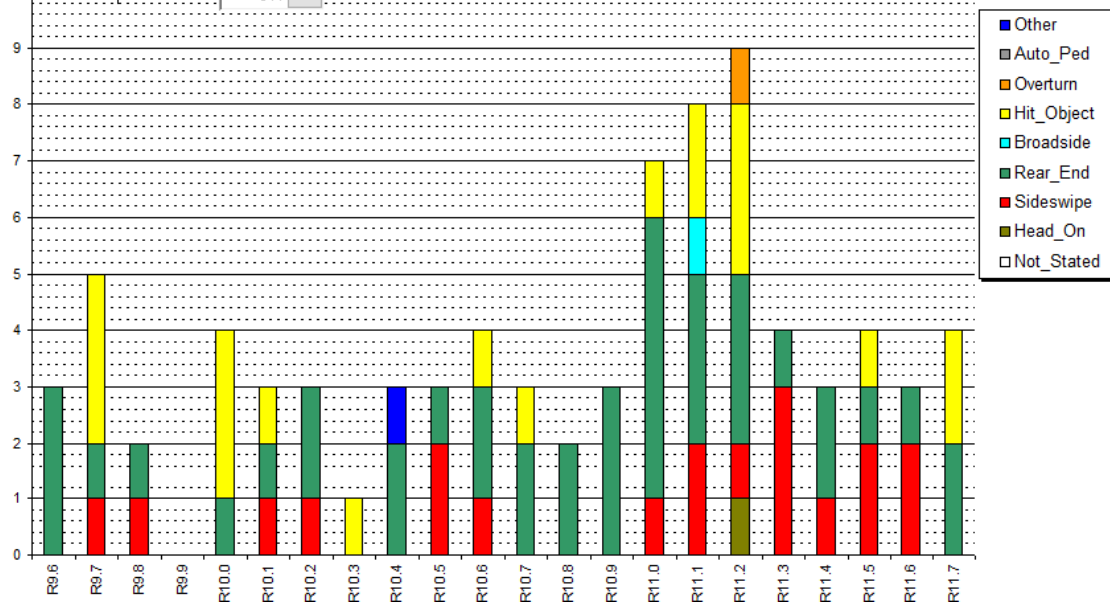



Eastbound I-80 from US 50 to the HOV lane start/end

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	137	1	47	107	22	60	1		69
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.003	0.15	0.44			0.005	0.27	0.81		

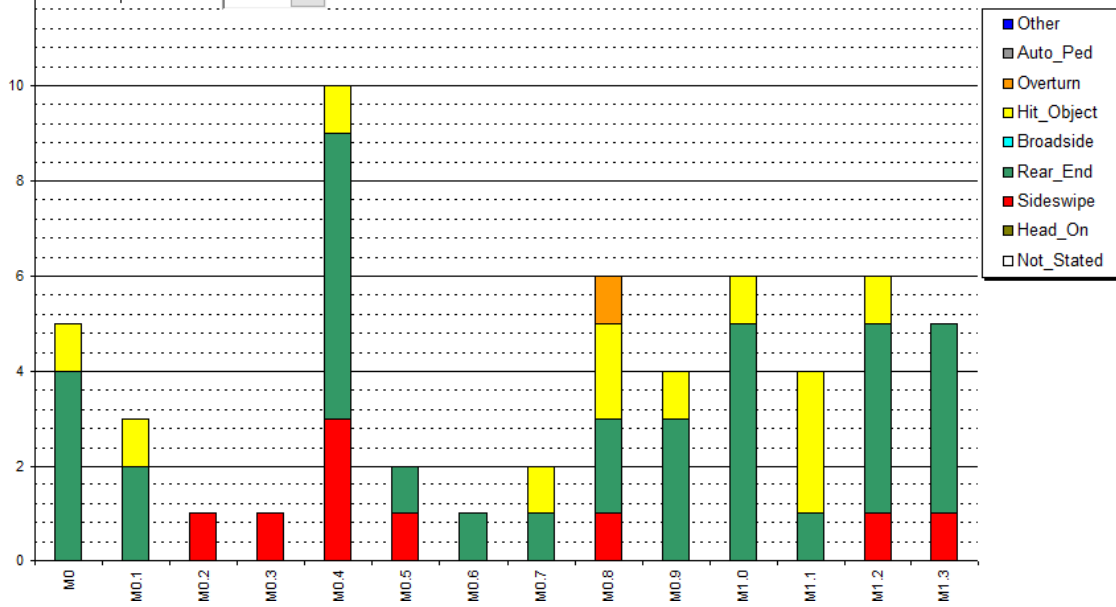
To modify filter settings, click the  in the toolbar above.

Each bar represents  miles.



To modify filter settings, click the  in the toolbar above. **Accident Concentration**

Each bar represents 0.1 miles.



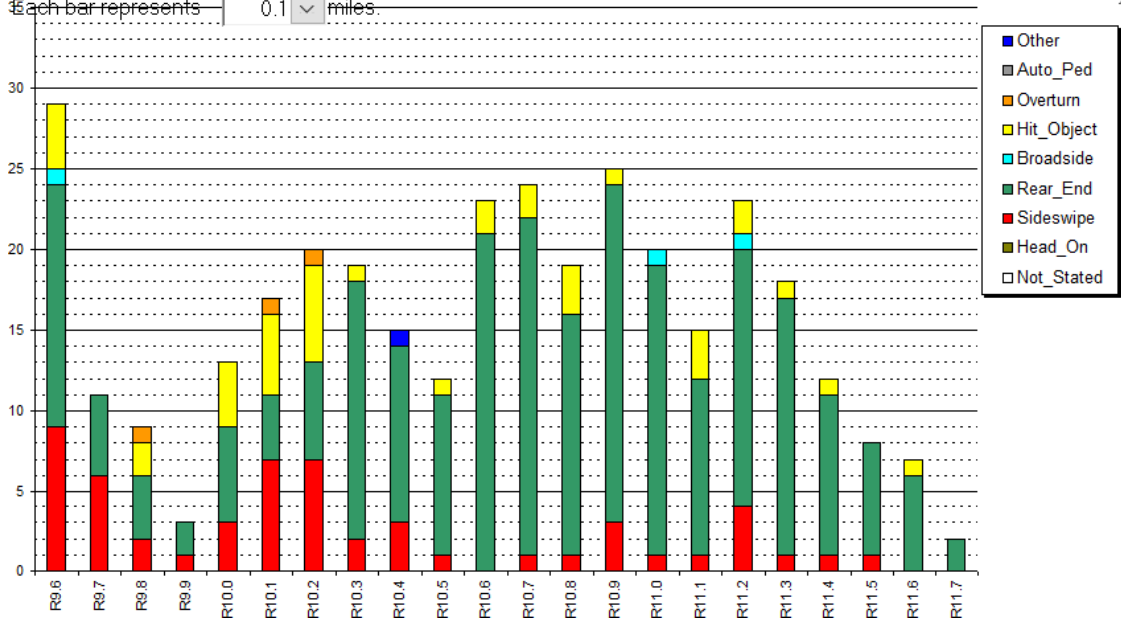
Westbound I-80 from US 50 to the HOV lane start/end

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	402	2	138	351	22	61	2		243
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.006	0.44	1.29			0.005	0.27	0.81		

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**

Each bar represents  miles.

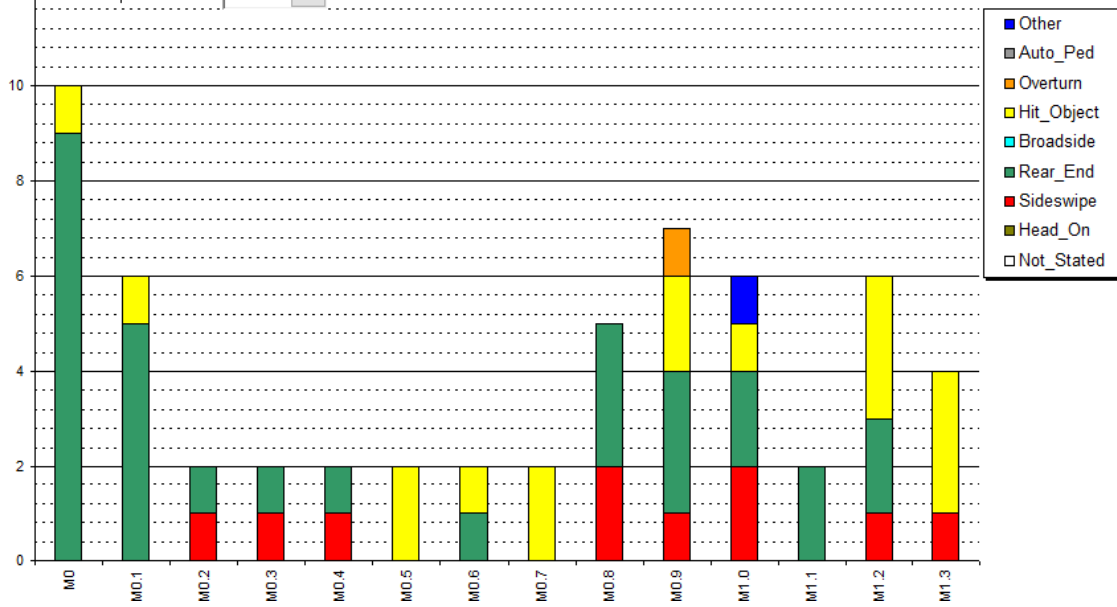




To modify filter settings, click the  in the toolbar above.

### Accident Concentration

Each bar represents 0.1 miles.

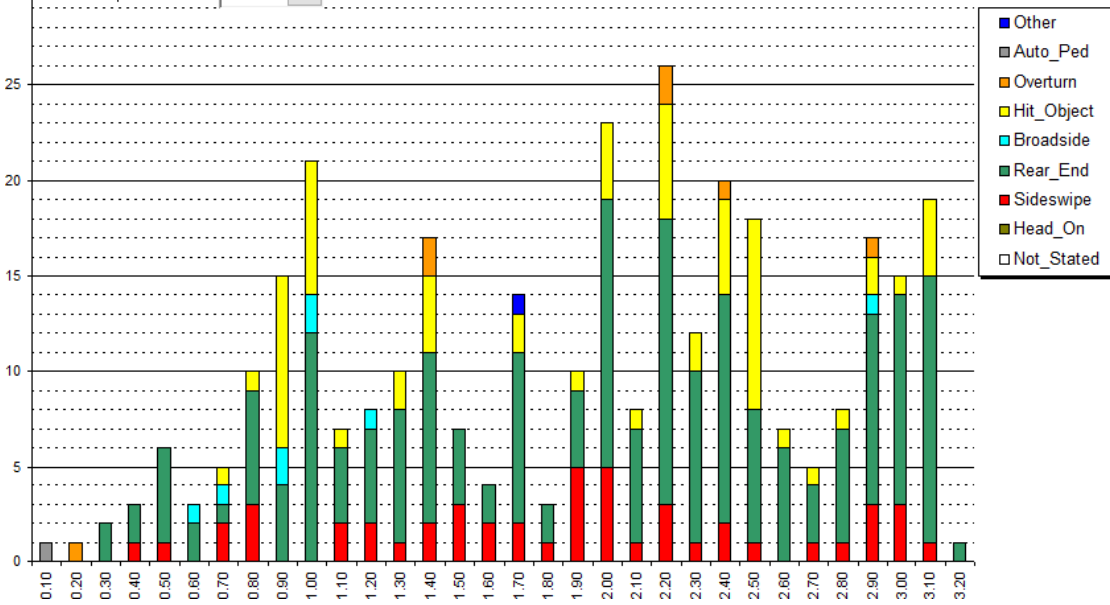



Eastbound US 50 from I-80 to I-5

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	410	4	152	336	50	122	5		203
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.009	0.35	0.94			0.003	0.27	0.84		

To modify filter settings, click the  in the toolbar above.

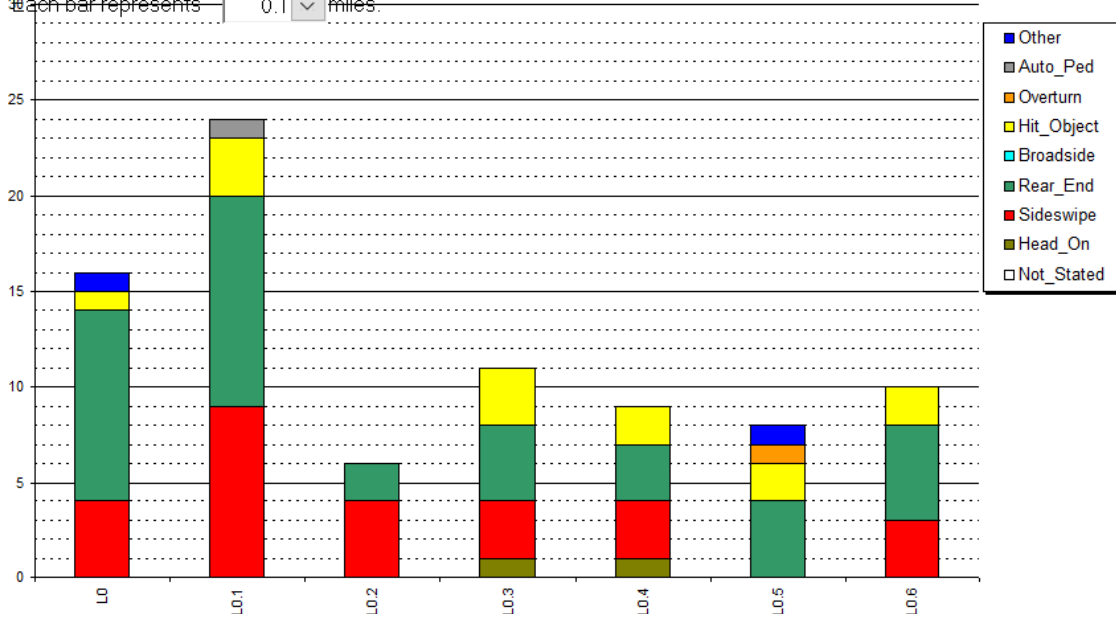
Each bar represents  miles.



To modify filter settings, click the  in the toolbar above.

### Accident Concentration

Each bar represents 0.1 miles.

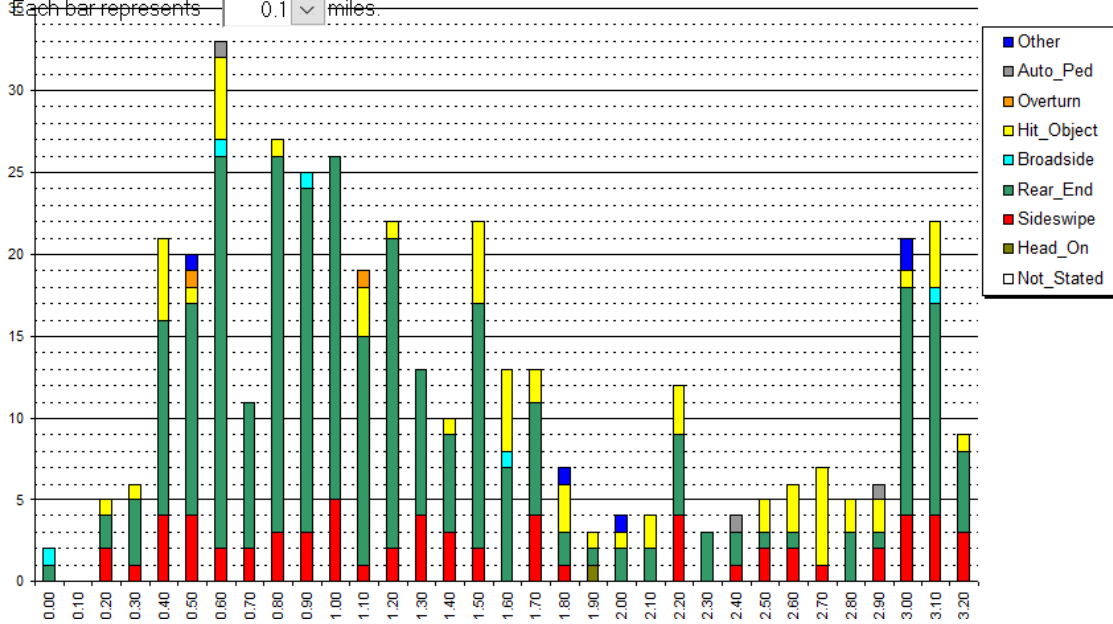



Westbound US 50 from I-80 to I-5

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	458	8	195	398	32	117	9		356
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>			<b>Total</b>
0.018	0.45	1.05			0.003	0.27			0.84

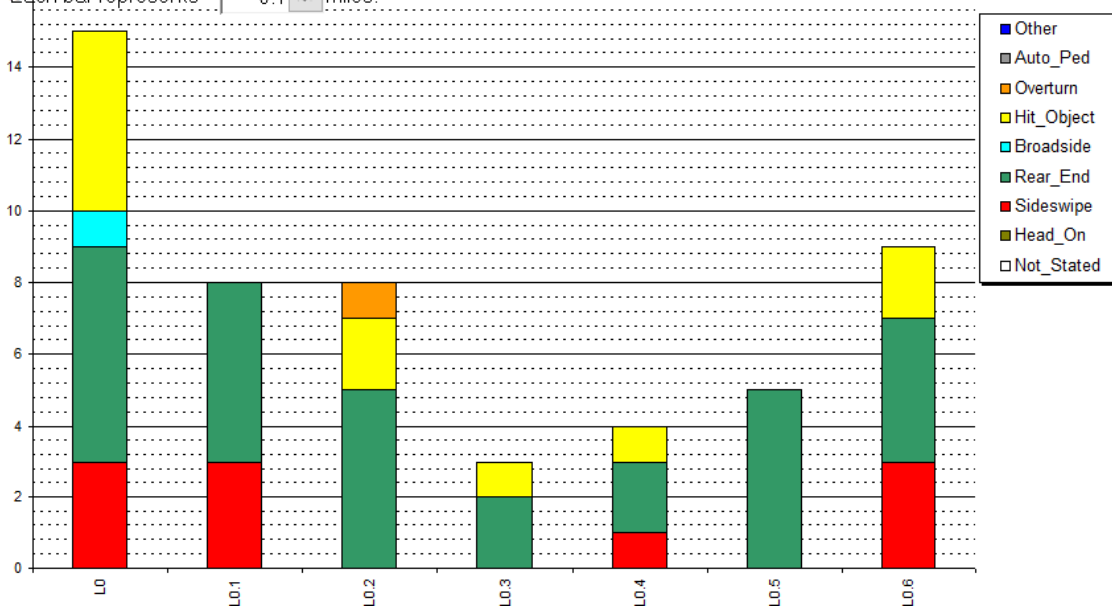
To modify filter settings, click the  in the toolbar above. **Accident Concentration**

Each bar represents  miles.



To modify filter settings, click the  in the toolbar above. **Accident Concentration**

Each bar represents  miles.

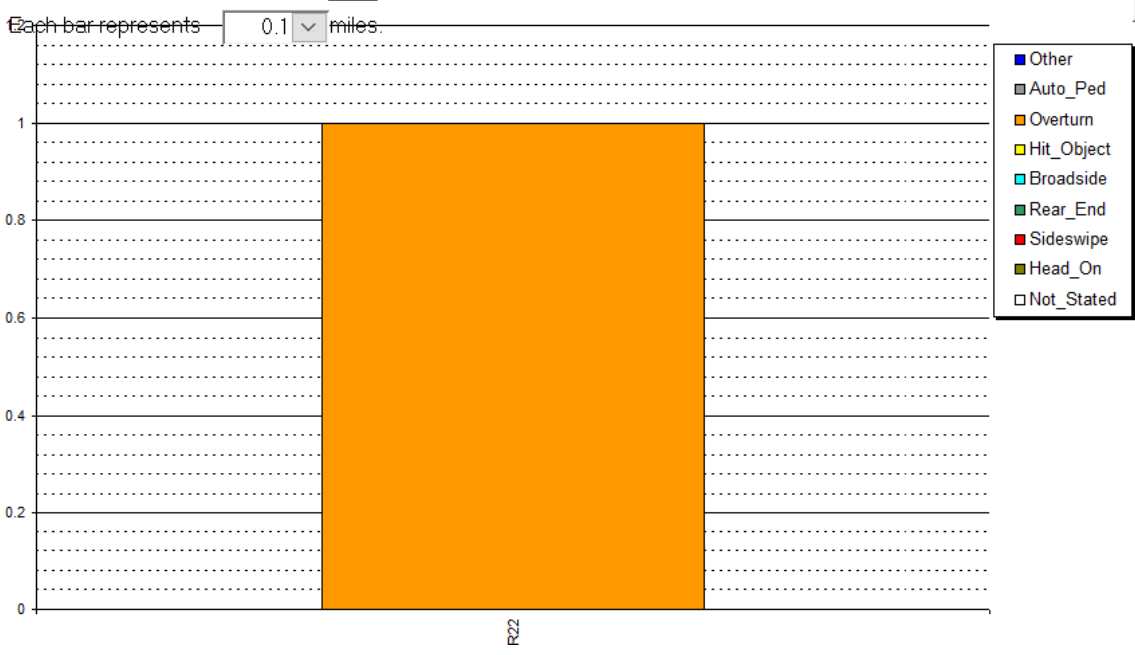


SR 113 On-ramp to WB I-80

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	1	0	1	0	0	0	0		2
<b>Collision Rates</b>									
<b>Actual</b>						<b>Average</b>			
<b>Fat</b>	<b>F+I</b>	<b>Total</b>				<b>Fat</b>	<b>F+I</b>	<b>Total</b>	
0.000	0.22	0.22				0.009	0.16	0.47	

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**



Old Davis Rd On-ramp to WB I-80

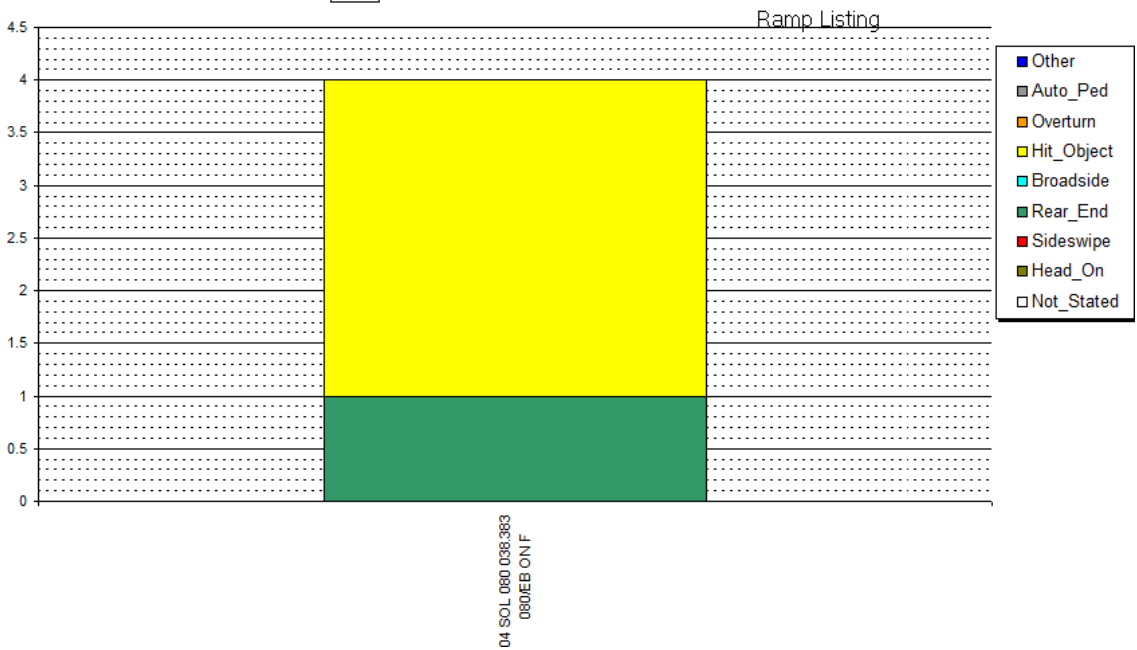
Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	0	0	0	0	0	0	0		0
<b>Collision Rates</b>									
<b>Actual</b>						<b>Average</b>			
<b>Fat</b>	<b>F+I</b>	<b>Total</b>				<b>Fat</b>	<b>F+I</b>	<b>Total</b>	
0.000	0.00	0.00				0.017	0.24	0.64	

SR 113 On-ramp to EB I-80

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	4	1	1	2	0	3	1		2
<b>Collision Rates</b>									
<b>Actual</b>						<b>Average</b>			
<b>Fat</b>	<b>F+I</b>	<b>Total</b>				<b>Fat</b>	<b>F+I</b>	<b>Total</b>	
0.105	0.11	0.42				0.020	0.24	0.53	

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**



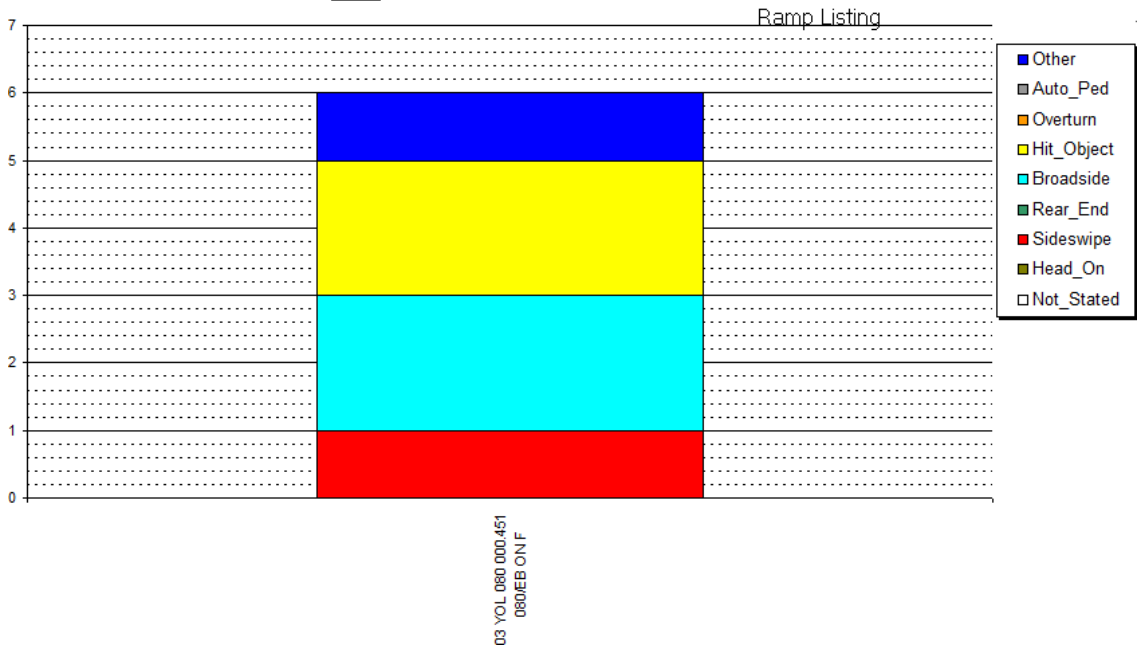
Old Davis Rd On-ramp to EB I-80

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	0	0	0	0	0	0	0		0
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.000	0.00	0.00			0.017	0.24	0.64		

Richards Blvd On-ramp to EB I-80

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	6	0	3	3	1	5	0		4
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>	<b>Total</b>		
0.000	0.28	0.56			0.002	0.23	0.63		

To modify filter settings, click the  in the toolbar above. **Accident Concentration**



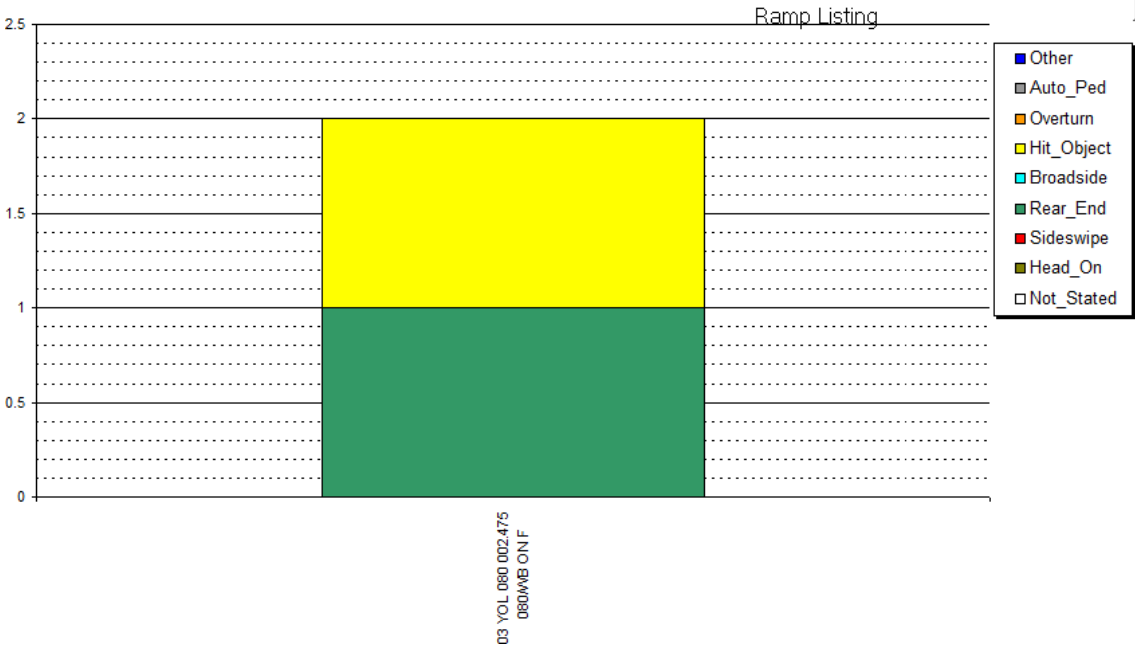


Mace Blvd On-ramp to WB I-80

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	2	0	2	1	0	0	0		3
<b>Collision Rates</b>									
<b>Actual</b>						<b>Average</b>			
<b>Fat</b>	<b>F+I</b>	<b>Total</b>				<b>Fat</b>	<b>F+I</b>	<b>Total</b>	
0.000	0.19	0.19				0.002	0.23	0.63	

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**



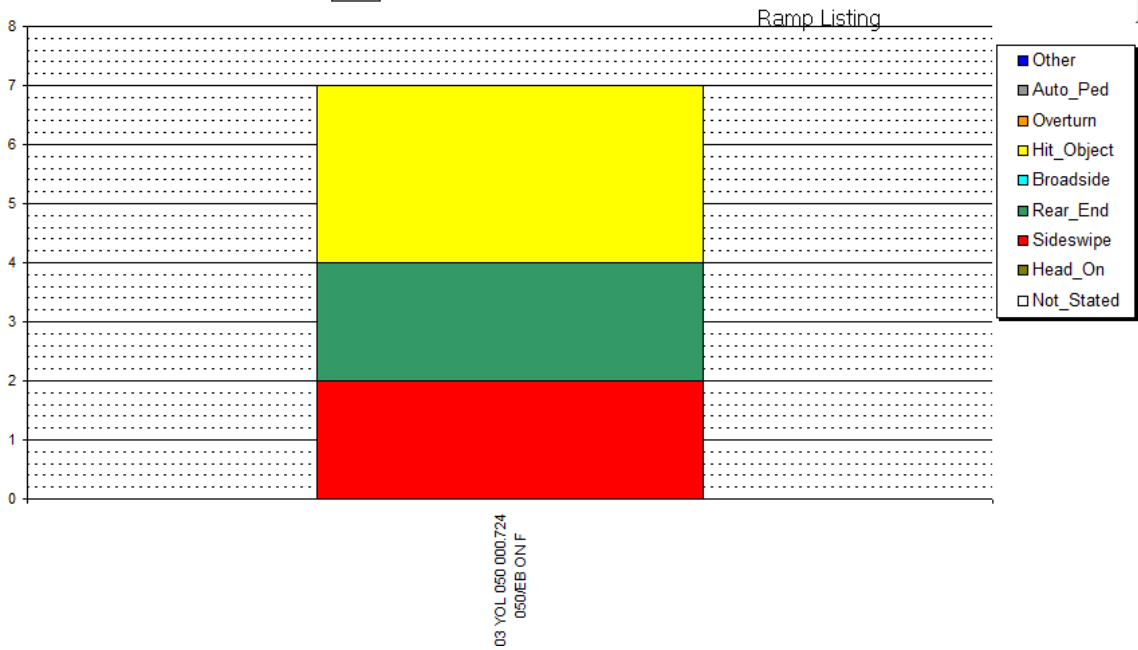
County Rd 32A On-ramp to WB I-80

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	0	0	0	0	0	0	0		0
<b>Collision Rates</b>									
<b>Actual</b>						<b>Average</b>			
<b>Fat</b>	<b>F+I</b>	<b>Total</b>				<b>Fat</b>	<b>F+I</b>	<b>Total</b>	
0.000	0.00	0.00				0.005	0.27	0.88	

WB I-80 to EB US 50 Connector ramp


Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	7	0	5	5	1	4	0		6
<b>Collision Rates</b>									
<b>Actual</b>						<b>Average</b>			
<b>Fat</b>	<b>F+I</b>	<b>Total</b>				<b>Fat</b>	<b>F+I</b>	<b>Total</b>	
0.000	0.47	0.65				0.005	0.15	0.48	

To modify filter settings, click the  in the toolbar above. **Accident Concentration**

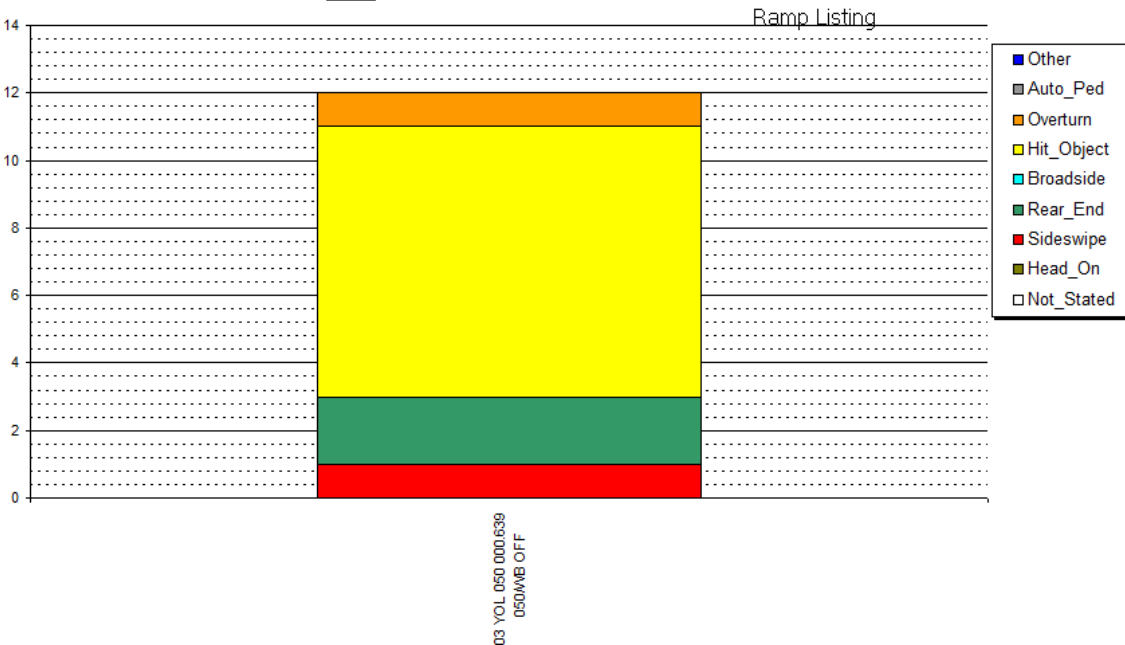


WB US 50 to EB I-80 Connector ramp

Year	Total Collisions	Fatal Collisions	Fatal + Injury Collisions	Multi Vehicle	Wet Pavement	Nighttime	Persons Killed		Persons Injured
1/1/2015-12/31/2019	12	0	2	3	2	7	0		4
<b>Collision Rates</b>									
<b>Actual</b>					<b>Average</b>				
<b>Fat</b>	<b>F+I</b>	<b>Total</b>			<b>Fat</b>	<b>F+I</b>		<b>Total</b>	
0.000	0.10	0.57			0.003	0.14		0.43	

To modify filter settings, click the  in the toolbar above.

**Accident Concentration**



Analysis Conducted By:

Jason Huang – Traffic Safety Investigator

Date: September 21, 2021

Approved for Release:

Fernando Rivera – Chief, Traffic Safety

Date: September 21, 2021

I80 from Solano County Line to US 50 Yol 80 PM 0 - 9.551		
Collision Type	Total	
Head-on	2	0.1%
Sideswipe	323	21.5%
Rear end	915	60.8%
Broadside	26	1.7%
Hit object	210	14.0%
Overturn	19	1.3%
Auto-pedestrian	2	0.1%
Other	7	0.5%
Not Stated	0	0.1%
<b>TOTAL</b>	<b>1504</b>	

I-80 from US 50 to HOV lane start/end Yol 80 PM R9.552 - Sac 80 PM M1.352		
Collision Type	Total	
Head-on	1	17.3%
Sideswipe	93	64.2%
Rear end	346	0.7%
Broadside	4	16.0%
Hit object	86	1.1%
Overturn	6	0.0%
Auto-pedestrian	0	0.6%
Other	3	17.3%
Not Stated	0	64.2%
<b>TOTAL</b>	<b>539</b>	

US 50 from I-80 to I-5 Yol 50 PM 0 - Sac 50 PM L0.617		
Collision Type	Total	
Head-on	3	17.4%
Sideswipe	151	60.4%
Rear end	524	1.6%
Broadside	14	17.5%
Hit object	152	1.3%
Overturn	11	0.6%
Auto-pedestrian	5	0.9%
Other	8	17.4%
Not Stated	0	60.4%
<b>TOTAL</b>	<b>868</b>	

SR 113 Onramp to WB I-80 Sol 113 PM R21.874L - R21.988L		
Collision Type	Total	
Head-on	0	0.0%
Sideswipe	0	0.0%
Rear end	0	0.0%
Broadside	0	0.0%
Hit object	0	100.0%
Overturn	1	0.0%
Auto-pedestrian	0	0.0%
Other	0	0.0%
Not Stated	0	0.0%
<b>TOTAL</b>	<b>1</b>	

SR 113 Onramp to EB I-80 Sol 80 PM 38.383		
Collision Type	Total	
Head-on	0	0.0%
Sideswipe	0	0.0%
Rear end	1	25.0%
Broadside	0	0.0%
Hit object	3	75.0%
Overturn	0	0.0%
Auto-pedestrian	0	0.0%
Other	0	0.0%
Not Stated	0	0.0%
<b>TOTAL</b>	<b>4</b>	

Richards Blvd Onramp to EB I-80 Yol 80 PM 0.451		
Collision Type	Total	
Head-on	0	0.0%
Sideswipe	1	16.7%
Rear end	0	0.0%
Broadside	2	33.3%
Hit object	2	33.3%
Overturn	0	0.0%
Auto-pedestrian	0	0.0%
Other	1	16.7%
Not Stated	0	0.0%
<b>TOTAL</b>	<b>6</b>	

Mace Blvd Onramp to WB I- 80 Yol 80 PM 2.475		
Collision Type	Total	
Head-on	0	0.0%
Sideswipe	0	0.0%
Rear end	1	50.0%
Broadside	0	0.0%
Hit object	1	50.0%
Overturn	0	0.0%
Auto-pedestrian	0	0.0%
Other	0	0.0%
Not Stated	0	0.0%
<b>TOTAL</b>	<b>2</b>	

WB I-80 to EB US 50 Connector Ramp Yol 50 PM 0.724		
Collision Type	Total	
Head-on	0	0.0%
Sideswipe	2	28.6%
Rear end	2	28.6%
Broadside	0	42.9%
Hit object	3	0.0%
Overturn	0	0.0%
Auto-pedestrian	0	0.0%
Other	0	0.0%
Not Stated	0	0.0%
<b>TOTAL</b>	<b>7</b>	

WB US 50 to EB I-80 Connector Ramp Yol 50 PM 0.639		
Collision Type	Total	
Head-on	0	0.0%
Sideswipe	1	8.3%
Rear end	2	16.7%
Broadside	0	0.0%
Hit object	8	66.7%
Overturn	1	8.3%
Auto-pedestrian	0	0.0%
Other	0	0.0%
Not Stated	0	0.0%
<b>TOTAL</b>	<b>12</b>	

Total Collision Data	
<b>2352</b>	Sideswipes and Rear-ends
<b>2911</b>	Total Collisions
<b>81</b>	% Sideswipes and rear-ends

I80 from Solano County Line to US 50

Yol 80 PM 0 - 9.551

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	237	280	84.64
3pm - 7pm	449	489	91.82

I80 from US 50 to HOV lane start/end

Yol 80 PM R9.552 - Sac 80 PM M1.352

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	98	120	81.67
3pm - 7pm	130	141	92.20

SR 113 Onramp to WB I-80

Sol 113 PM R21.874L - R21.988L

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	0	0	0
3pm - 7pm	0	1	0

SR 113 Onramp to EB I-80

Sol 80 PM 38.383

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	0	1	0
3pm - 7pm	0	0	0

Mace Blvd Onramp to WB I-80

Yol 80 PM 2.475

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	0	0	0
3pm - 7pm	0	0	0

WB I-80 to EB US 50 Connector Ramp

Yol 50 PM 0.724

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	2	3	66.67
3pm - 7pm	0	0	0

US 50 from I-80 to I-5

Yol 50 PM 0 - Sac 50 PM L0.617

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	170	223	76.23
3pm - 7pm	252	277	90.97

Richards Blvd Onramp to EB I-80

Yol 80 PM 0.451

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	0	0	0
3pm - 7pm	0	0	0

WB US 50 to EB I-80 Connector Ramp

Yol 50 PM 0.639

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	0	1	0
3pm - 7pm	2	2	100

AM and PM Peak Period Combined Collision Data

I-80 ML Full Corridor

Time	Congestion Collisions	Total Collisions	Percentage
6am - 10am	505	623	81.06
3pm - 7pm	831	907	91.62

# **Appendix D:**

## **Forecast Model Performance Measures**

**Regional Daily Network Performance**

Measure	Base Year	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	63,097,934	67,803,516	69,891,522	69,869,915	69,788,483	69,839,089	69,378,321	69,590,666	69,923,830	69,981,633	69,670,450
Congested VMT	3,704,338	4,223,012	4,787,254	4,825,175	4,814,409	5,024,493	4,865,160	5,017,285	4,795,662	4,844,132	4,695,830
VMT per capita	26.55	24.93	25.70	25.69	25.66	25.68	25.51	25.59	25.71	25.73	25.62
VHT	1,686,880	1,851,235	1,923,824	1,922,983	1,921,866	1,925,963	1,917,453	1,928,154	1,925,015	1,929,249	1,913,554
VHD	230,635	266,784	292,903	292,470	292,796	295,444	296,469	302,106	293,539	295,962	287,571
PMT	84,592,403	91,261,390	94,338,238	94,312,297	94,242,456	94,233,983	93,585,183	94,009,315	94,378,773	94,453,843	93,976,360
PMT/lane-mile	5,831	6,069	6,260	6,258	6,254	6,253	6,223	6,252	6,262	6,268	6,236

Measure	Base Year	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	63,097,934	73,794,643	74,094,679	74,052,732	73,938,661	73,915,873	73,794,237	73,724,449	74,063,210	74,081,203	74,104,946
Congested VMT	3,704,338	5,317,767	4,952,903	4,897,049	4,978,273	4,973,859	5,307,006	5,150,063	4,926,372	4,956,082	4,897,200
VMT per capita	26.55	24.62	24.72	24.71	24.67	24.66	24.62	24.60	24.71	24.72	24.73
VHT	1,686,880	2,030,370	2,027,419	2,025,252	2,026,315	2,027,442	2,030,806	2,028,603	2,026,377	2,027,139	2,026,903
VHD	230,635	305,659	298,114	296,654	299,458	300,481	305,996	305,473	297,767	297,966	297,165
PMT	84,592,403	98,947,230	99,375,223	99,380,117	99,280,461	99,142,399	98,953,116	98,944,680	99,315,938	99,333,172	99,335,982
PMT/lane-mile	5,831	6,339	6,353	6,354	6,347	6,339	6,340	6,339	6,349	6,351	6,351

Measure	Base Year	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 10	Alt 11	Alt 12	Alt 13	Alt 14
VMT	63,097,934	85,249,373	82,246,357	82,366,102	82,220,435	82,154,235	82,651,090	82,198,958	82,339,481	82,330,435	82,650,254	82,368,740	82,223,069	82,156,866	82,651,090	82,292,029
Congested VMT	3,704,338	9,920,526	7,672,920	7,746,343	7,959,069	8,145,247	8,522,669	8,326,001	7,717,460	7,719,771	7,838,362	7,726,108	7,938,278	8,123,970	8,522,669	8,374,333
VMT per capita	26.55	26.93	25.98	26.02	25.97	25.95	26.11	25.97	26.01	26.01	26.11	26.02	25.97	25.95	26.11	26.00
VHT	1,686,880	2,522,702	2,351,496	2,357,928	2,360,316	2,363,866	2,396,722	2,373,385	2,354,926	2,357,260	2,369,983	2,357,488	2,359,876	2,363,425	2,396,722	2,376,847
VHD	230,635	533,162	431,457	434,692	439,072	443,086	465,249	452,131	432,730	434,851	440,409	434,349	438,726	442,737	465,249	453,465
PMT	84,592,403	113,646,952	111,658,648	111,802,313	111,742,869	111,497,103	111,804,765	111,508,553	111,690,967	111,679,008	111,924,109	111,801,899	111,742,455	111,496,690	111,804,765	111,540,829
PMT/lane-mile	5,831	7,281	7,139	7,148	7,144	7,129	7,163	7,144	7,140	7,140	7,156	7,147	7,144	7,128	7,163	7,131



**Corridor Daily Network Performance**

Measure	Base Year	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	3,741,146	3,880,995	4,237,651	4,240,240	4,200,683	4,170,891	3,953,571	3,867,187	4,241,867	4,216,243	4,241,379
Congested VMT	381,600	496,867	308,394	335,849	368,557	580,261	561,718	509,417	309,674	311,198	291,953
VHT	75,667	81,114	80,588	80,298	81,173	82,482	84,600	83,915	80,681	80,171	79,990
VHD	15,128	18,333	12,466	12,115	13,485	15,197	20,641	21,740	12,510	12,432	11,431
PMT	4,943,662	5,161,989	5,666,149	5,666,931	5,622,361	5,545,748	5,268,433	5,277,382	5,673,403	5,635,940	5,631,607
PMT/lane-mile	50,533	51,844	48,992	48,999	48,614	47,951	52,913	53,023	48,809	47,925	48,516

Measure	Base Year	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	3,741,146	4,026,381	4,324,520	4,329,187	4,272,099	4,252,533	4,025,319	3,931,677	4,320,580	4,307,541	4,358,186
Congested VMT	381,600	715,919	326,971	312,335	367,782	391,467	714,235	646,810	334,708	336,336	348,108
VHT	75,667	87,019	83,033	82,809	83,196	83,160	86,862	85,592	83,373	82,525	83,401
VHD	15,128	21,916	13,553	13,244	14,495	14,745	21,777	22,416	13,968	13,351	12,990
PMT	4,943,662	5,336,985	5,751,676	5,773,213	5,709,184	5,632,551	5,335,502	5,335,353	5,746,845	5,725,900	5,748,344
PMT/lane-mile	50,533	53,427	49,592	49,778	49,226	48,565	53,412	53,430	49,303	48,555	49,382

Measure	Base Year	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 10	Alt 11	Alt 12	Alt 13	Alt 14
VMT	3,741,146	4,495,673	4,683,131	4,686,525	4,616,185	4,582,709	4,381,640	4,276,831	4,683,699	4,662,452	4,727,639	4,688,401	4,618,033	4,584,543	4,381,640	4,277,350
Congested VMT	381,600	1,074,772	524,825	542,076	588,261	632,923	984,748	963,521	551,483	521,920	551,187	549,748	596,495	641,771	984,748	1,013,366
VHT	75,667	117,027	94,826	94,912	96,163	96,767	107,402	102,615	94,669	94,038	96,221	95,100	96,353	96,958	107,402	102,443
VHD	15,128	44,315	19,567	19,581	21,888	22,989	36,534	33,878	19,417	19,139	19,821	19,744	22,070	23,179	36,534	33,618
PMT	4,943,662	5,936,916	6,330,029	6,355,018	6,295,755	6,162,803	5,868,675	5,903,321	6,333,890	6,295,599	6,310,052	6,361,505	6,302,182	6,169,094	5,868,675	5,906,922
PMT/lane-mile	50,533	59,433	54,579	54,794	54,283	53,137	58,750	59,118	54,339	53,386	54,207	54,576	54,067	52,926	58,750	58,815

**Regional AM Peak Period Network Performance**

Measure	Base Year	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	12,345,372	13,139,602	13,614,193	13,614,671	13,594,850	13,605,513	13,491,855	13,540,142	13,620,964	13,633,079	13,567,529
Congested VMT	1,163,991	1,281,582	1,423,700	1,430,658	1,445,351	1,537,684	1,488,364	1,534,525	1,430,689	1,462,456	1,376,871
VMT per capita	5.20	4.83	5.01	5.01	5.00	5.00	4.96	4.98	5.01	5.01	4.99
VHT	353,355	385,507	406,138	406,057	405,721	406,994	402,872	407,972	406,527	407,565	403,157
VHD	64,553	74,084	83,801	83,743	83,745	84,684	83,047	86,822	84,067	84,723	81,954
PMT	16,100,265	17,223,210	17,900,271	17,899,983	17,883,284	17,881,018	17,730,934	17,823,903	17,911,791	17,928,589	17,828,737
PMT/lane-mile	1,110	1,145	1,188	1,188	1,187	1,187	1,179	1,185	1,188	1,190	1,183

Measure	Base Year	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	12,345,372	14,271,443	14,328,370	14,325,883	14,306,235	14,304,075	14,269,425	14,245,692	14,324,788	14,330,085	14,341,275
Congested VMT	1,163,991	1,385,325	1,326,505	1,276,977	1,268,053	1,246,381	1,393,848	1,430,044	1,329,296	1,325,210	1,261,298
VMT per capita	5.20	4.76	4.78	4.78	4.77	4.77	4.76	4.75	4.78	4.78	4.79
VHT	353,355	417,926	417,761	417,257	416,709	416,876	417,725	418,855	417,650	418,020	417,531
VHD	64,553	79,817	78,768	78,248	78,052	78,156	79,635	81,183	78,691	78,937	78,177
PMT	16,100,265	18,596,189	18,677,193	18,688,952	18,666,235	18,647,009	18,594,310	18,591,114	18,666,772	18,673,851	18,678,821
PMT/lane-mile	1,110	1,191	1,194	1,195	1,193	1,192	1,191	1,191	1,193	1,194	1,194

Measure	Base Year	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 10	Alt 11	Alt 12	Alt 13	Alt 14
VMT	12,345,372	16,468,040	15,809,731	15,852,302	15,820,818	15,807,574	15,914,601	15,809,808	15,844,705	15,829,656	15,919,554	15,853,219	15,821,733	15,808,488	15,914,601	15,844,783
Congested VMT	1,163,991	2,914,481	2,242,555	2,284,911	2,298,850	2,325,690	2,495,166	2,373,773	2,298,748	2,298,403	2,316,264	2,295,161	2,309,163	2,336,123	2,495,166	2,433,255
VMT per capita	5.20	5.20	4.99	5.01	5.00	4.99	5.03	4.99	5.01	5.00	5.03	5.01	5.00	4.99	5.03	5.01
VHT	353,355	541,048	492,482	495,558	494,693	494,453	504,921	499,501	494,495	494,732	498,118	495,525	494,660	494,420	504,921	501,543
VHD	64,553	150,363	117,534	119,378	119,049	118,989	127,007	123,876	118,677	119,151	120,552	119,424	119,095	119,036	127,007	125,080
PMT	16,100,265	21,328,049	20,856,328	20,913,885	20,890,537	20,853,030	20,912,668	20,851,862	20,886,844	20,866,477	20,934,359	20,910,154	20,886,811	20,849,310	20,912,668	20,882,372
PMT/lane-mile	1,110	1,366	1,333	1,337	1,336	1,333	1,340	1,336	1,335	1,334	1,338	1,337	1,335	1,333	1,340	1,335

**Corridor AM Peak Period Network Performance**

Measure	Base Year	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	721,179	743,940	816,379	818,064	810,070	802,226	759,231	715,619	817,951	811,277	822,632
Congested VMT	75,654	103,181	59,335	62,814	88,796	172,034	151,326	145,454	59,374	58,346	19,636
VHT	14,317	15,437	15,775	15,707	15,962	16,413	16,231	17,094	15,805	15,637	15,503
VHD	2,652	3,405	2,630	2,536	2,895	3,454	3,951	5,558	2,636	2,578	2,210
PMT	914,543	954,184	1,056,056	1,056,588	1,046,947	1,030,023	976,080	954,757	1,058,779	1,048,543	1,053,666
PMT/lane-mile	9,347	9,583	9,131	9,135	9,052	8,906	9,803	9,593	9,109	8,916	9,075

Measure	Base Year	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	721,179	769,010	825,478	830,729	823,309	821,765	769,250	723,126	824,785	822,142	839,445
Congested VMT	75,654	122,792	51,036	26,398	27,250	14,397	120,717	122,436	50,829	50,932	7,981
VHT	14,317	16,397	15,941	15,704	15,467	15,400	16,362	16,975	15,954	15,848	15,747
VHD	2,652	3,964	2,654	2,342	2,221	2,178	3,925	5,325	2,680	2,617	2,187
PMT	914,543	976,822	1,056,484	1,063,641	1,053,544	1,044,086	977,198	953,472	1,056,021	1,050,969	1,062,676
PMT/lane-mile	9,347	9,780	9,110	9,172	9,085	9,003	9,784	9,550	9,061	8,913	9,128

Measure	Base Year	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 10	Alt 11	Alt 12	Alt 13	Alt 14
VMT	721,179	857,689	897,689	898,452	886,621	881,886	834,773	792,700	898,075	891,311	914,394	898,642	886,808	882,071	834,773	793,048
Congested VMT	75,654	286,099	113,217	123,575	119,939	127,125	236,153	180,636	136,803	109,231	102,102	133,828	128,564	133,775	236,153	221,523
VHT	14,317	23,331	18,432	18,442	18,225	18,255	20,773	20,244	18,560	18,196	18,351	18,689	18,469	18,499	20,773	20,386
VHD	2,652	9,461	3,987	3,987	3,947	4,046	7,273	7,479	4,110	3,856	3,578	4,228	4,188	4,292	7,273	7,710
PMT	914,543	1,086,376	1,174,476	1,175,676	1,160,489	1,138,919	1,072,508	1,073,941	1,176,991	1,164,375	1,171,524	1,179,416	1,164,179	1,142,539	1,072,508	1,076,242
PMT/lane-mile	9,347	10,877	10,128	10,138	10,007	9,821	10,738	10,756	10,099	9,875	10,063	10,120	9,989	9,803	10,738	10,718

**Regional PM Peak Period Network Performance**

Measure	Base Year	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	14,658,070	15,650,183	16,236,989	16,235,791	16,206,110	16,215,034	16,082,598	16,148,844	16,246,035	16,263,840	16,168,616
Congested VMT	2,129,860	2,285,494	2,673,392	2,689,313	2,682,413	2,689,318	2,633,396	2,671,901	2,673,342	2,696,180	2,627,324
VMT per capita	6.17	5.75	5.97	5.97	5.96	5.96	5.91	5.94	5.97	5.98	5.95
VHT	433,741	471,258	495,415	495,104	494,083	494,852	496,093	498,997	495,893	497,478	491,290
VHD	92,640	103,254	113,957	113,598	113,191	113,641	117,630	118,898	114,178	115,275	111,401
PMT	19,794,848	21,257,038	22,126,974	22,123,193	22,097,314	22,084,299	21,891,410	22,034,223	22,137,363	22,158,075	22,009,160
PMT/lane-mile	1,364	1,414	1,468	1,468	1,466	1,468	1,456	1,465	1,469	1,470	1,460

Measure	Base Year	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	14,658,070	16,969,739	17,054,795	17,043,056	17,001,793	16,985,103	16,964,778	16,947,097	17,042,186	17,055,104	17,059,458
Congested VMT	2,129,860	2,683,654	2,600,812	2,605,570	2,684,496	2,712,893	2,666,659	2,529,946	2,603,406	2,618,064	2,650,254
VMT per capita	6.17	5.66	5.69	5.69	5.67	5.67	5.66	5.66	5.69	5.69	5.69
VHT	433,741	517,682	513,534	513,154	514,755	515,496	517,398	515,648	512,790	513,594	513,561
VHD	92,640	118,429	112,989	112,735	114,835	115,696	118,275	116,921	112,476	112,942	112,847
PMT	19,794,848	22,940,242	23,067,119	23,074,074	23,041,325	22,975,174	22,938,571	22,944,331	23,048,634	23,061,268	23,052,235
PMT/lane-mile	1,364	1,470	1,475	1,475	1,473	1,469	1,470	1,470	1,473	1,474	1,474

Measure	Base Year	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 10	Alt 11	Alt 12	Alt 13	Alt 14
VMT	14,658,070	19,488,056	18,824,874	18,853,987	18,789,479	18,759,253	18,888,832	18,776,108	18,831,942	18,845,384	18,923,425	18,853,872	18,789,363	18,759,138	18,888,832	18,783,158
Congested VMT	2,129,860	4,635,422	3,846,294	3,877,590	4,073,728	4,218,998	4,013,442	3,901,016	3,852,184	3,849,464	3,956,009	3,859,915	4,055,159	4,199,767	4,013,442	3,906,989
VMT per capita	6.17	6.16	5.95	5.96	5.94	5.93	5.97	5.93	5.95	5.95	5.98	5.96	5.94	5.93	5.97	5.93
VHT	433,741	669,663	607,664	609,761	613,350	617,244	625,994	615,457	608,047	609,369	614,646	609,690	613,279	617,173	625,994	615,845
VHD	92,640	209,941	164,270	165,489	169,721	173,638	180,340	172,505	164,399	165,322	168,820	165,428	169,659	173,574	180,340	172,639
PMT	19,794,848	26,197,356	25,795,273	25,830,411	25,802,309	25,690,893	25,778,964	25,710,642	25,774,178	25,799,865	25,847,580	25,830,397	25,802,295	25,690,879	25,778,964	25,689,617
PMT/lane-mile	1,364	1,678	1,649	1,651	1,650	1,643	1,652	1,647	1,648	1,650	1,653	1,651	1,650	1,642	1,652	1,642

**Corridor PM Peak Period Network Performance**

Measure	Base Year	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029	Opening Year 2029
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	857,663	881,333	1,004,087	1,006,604	993,525	985,660	896,863	875,186	1,005,015	1,001,113	1,007,546
Congested VMT	300,930	301,963	243,216	266,148	268,849	298,525	317,511	248,269	242,753	246,069	265,719
VHT	22,520	24,707	22,564	22,346	22,182	22,308	26,248	25,299	22,542	22,512	22,263
VHD	8,662	10,466	6,434	6,177	6,196	6,433	11,755	11,229	6,400	6,436	6,002
PMT	1,141,328	1,179,153	1,360,034	1,359,567	1,345,757	1,318,393	1,202,757	1,236,402	1,362,139	1,355,822	1,344,273
PMT/lane-mile	11,668	11,843	11,760	11,756	11,636	11,400	12,080	12,422	11,719	11,529	11,583

Measure	Base Year	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040	Cumulative Year 2040
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
VMT	857,663	906,344	1,012,740	1,011,853	980,557	966,784	905,317	883,468	1,011,043	1,009,426	1,023,846
Congested VMT	300,930	342,150	273,637	276,252	330,705	366,037	341,691	288,680	275,490	275,650	330,347
VHT	22,520	27,006	23,408	23,490	24,428	24,426	26,841	25,652	23,258	23,230	23,727
VHD	8,662	12,365	7,144	7,240	8,643	8,847	12,216	11,455	7,023	7,025	7,208
PMT	1,141,328	1,206,676	1,363,628	1,369,365	1,335,953	1,292,123	1,205,391	1,240,704	1,362,367	1,359,202	1,353,675
PMT/lane-mile	11,668	12,078	11,756	11,806	11,518	11,140	12,066	12,423	11,687	11,525	11,630

Measure	Base Year	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049	Horizon Year 2049
		2016	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 10	Alt 11	Alt 12	Alt 13	Alt 14
VMT	857,663	1,002,014	1,089,603	1,089,401	1,047,718	1,023,516	976,695	956,662	1,087,622	1,085,569	1,099,248	1,089,942	1,048,238	1,024,020	976,695	954,920
Congested VMT	300,930	471,965	401,412	405,135	455,601	492,772	440,801	432,603	404,457	402,449	438,830	402,587	452,796	489,631	440,801	435,403
VHT	22,520	38,945	28,168	28,222	29,965	30,469	34,607	31,761	27,870	27,856	29,157	28,181	29,921	30,424	34,607	31,426
VHD	8,662	22,757	10,672	10,729	13,101	13,972	18,827	16,390	10,408	10,431	11,419	10,683	13,044	13,911	18,827	15,985
PMT	1,141,328	1,331,212	1,493,655	1,502,488	1,473,888	1,391,708	1,315,637	1,367,210	1,492,266	1,487,275	1,472,476	1,503,425	1,474,809	1,392,569	1,315,637	1,365,937
PMT/lane-mile	11,668	13,325	12,877	12,954	12,707	11,999	13,169	13,690	12,801	12,611	12,650	12,897	12,651	11,946	13,169	13,599

**Regional VMT by Speed Bin - Existing Conditions**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	52,126	0.1%	11,662	0.1%	14,844	0.1%	10,315	0.1%	15,305	0.1%
10	426,185	0.7%	95,787	0.8%	122,938	0.7%	84,550	0.6%	122,910	0.7%
15	1,084,907	1.7%	238,966	1.9%	317,516	1.8%	218,196	1.5%	310,229	1.7%
20	6,670,883	10.6%	1,394,515	11.3%	1,943,863	10.7%	1,518,225	10.4%	1,814,280	10.1%
25	3,155,712	5.0%	684,942	5.5%	902,974	5.0%	716,498	4.9%	851,297	4.7%
30	4,797,877	7.6%	1,027,870	8.3%	1,384,352	7.6%	1,071,898	7.3%	1,313,756	7.3%
35	7,377,172	11.7%	1,508,369	12.2%	2,098,182	11.6%	1,732,371	11.8%	2,038,251	11.3%
40	7,383,367	11.7%	1,461,013	11.8%	2,095,892	11.6%	1,747,550	11.9%	2,078,913	11.6%
45	5,005,139	7.9%	1,001,355	8.1%	1,371,638	7.6%	1,210,313	8.3%	1,421,832	7.9%
50	4,230,222	6.7%	868,814	7.0%	1,194,868	6.6%	925,267	6.3%	1,241,272	6.9%
55	7,806,549	12.4%	1,524,443	12.3%	2,245,165	12.4%	1,745,939	11.9%	2,291,002	12.7%
60	9,999,754	15.8%	1,720,947	13.9%	2,950,077	16.3%	2,387,432	16.3%	2,941,299	16.4%
65	3,151,338	5.0%	475,370	3.9%	901,108	5.0%	786,890	5.4%	987,971	5.5%
70	1,956,703	3.1%	331,319	2.7%	568,599	3.1%	502,625	3.4%	554,160	3.1%
Total	63,097,934	100%	12,345,372	100%	18,112,016	100%	14,658,070	100%	17,982,476	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 1 (No Build)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	111,081	0.2%	24,747	0.2%	32,141	0.2%	21,954	0.1%	32,239	0.2%
10	455,605	0.7%	103,468	0.8%	132,765	0.7%	88,003	0.6%	131,369	0.7%
15	1,271,962	1.9%	279,220	2.1%	374,392	1.9%	255,510	1.6%	362,840	1.9%
20	7,454,891	11.0%	1,538,283	11.7%	2,219,310	11.1%	1,686,343	10.8%	2,010,955	10.5%
25	3,911,325	5.8%	830,939	6.3%	1,145,894	5.7%	875,463	5.6%	1,059,029	5.6%
30	4,934,527	7.3%	1,060,343	8.1%	1,445,000	7.2%	1,099,580	7.0%	1,329,604	7.0%
35	8,214,894	12.1%	1,667,065	12.7%	2,388,292	12.0%	1,893,184	12.1%	2,266,353	11.9%
40	6,629,557	9.8%	1,301,224	9.9%	1,907,481	9.6%	1,595,784	10.2%	1,825,067	9.6%
45	5,990,569	8.8%	1,147,642	8.7%	1,729,763	8.7%	1,433,856	9.2%	1,679,309	8.8%
50	4,228,508	6.2%	857,605	6.5%	1,230,367	6.2%	930,301	5.9%	1,210,234	6.3%
55	9,176,475	13.5%	1,778,150	13.5%	2,697,900	13.5%	2,070,297	13.2%	2,630,127	13.8%
60	9,741,742	14.4%	1,701,294	12.9%	2,922,580	14.6%	2,284,778	14.6%	2,833,090	14.9%
65	3,765,825	5.6%	544,964	4.1%	1,118,122	5.6%	931,973	6.0%	1,170,765	6.1%
70	1,916,556	2.8%	304,658	2.3%	606,334	3.0%	483,157	3.1%	522,408	2.7%
Total	67,803,516	100%	13,139,602	100%	19,950,342	100%	15,650,183	100%	19,063,388	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 2 (Add HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	140,124	0.2%	31,472	0.2%	40,297	0.2%	27,926	0.2%	40,429	0.2%
10	604,152	0.9%	138,133	1.0%	174,878	0.9%	119,296	0.7%	171,846	0.9%
15	1,622,665	2.3%	354,145	2.6%	473,481	2.3%	327,969	2.0%	467,070	2.4%
20	7,850,773	11.2%	1,626,667	11.9%	2,317,241	11.4%	1,781,110	11.0%	2,125,755	10.8%
25	3,725,121	5.3%	810,585	6.0%	1,071,355	5.3%	848,691	5.2%	994,490	5.1%
30	5,648,279	8.1%	1,217,259	8.9%	1,635,111	8.0%	1,270,358	7.8%	1,525,551	7.8%
35	8,467,967	12.1%	1,735,587	12.7%	2,429,032	11.9%	1,958,008	12.1%	2,345,340	11.9%
40	6,590,402	9.4%	1,295,463	9.5%	1,877,459	9.2%	1,607,412	9.9%	1,810,068	9.2%
45	5,273,853	7.5%	994,807	7.3%	1,497,404	7.3%	1,293,747	8.0%	1,487,895	7.6%
50	5,328,901	7.6%	1,084,930	8.0%	1,539,223	7.6%	1,179,678	7.3%	1,525,070	7.8%
55	9,512,473	13.6%	1,851,514	13.6%	2,774,478	13.6%	2,166,980	13.3%	2,719,500	13.8%
60	8,899,641	12.7%	1,546,445	11.4%	2,659,994	13.1%	2,110,112	13.0%	2,583,090	13.1%
65	4,316,818	6.2%	623,767	4.6%	1,279,921	6.3%	1,064,094	6.6%	1,349,036	6.9%
70	1,910,353	2.7%	303,421	2.2%	604,719	3.0%	481,607	3.0%	520,607	2.6%
Total	69,891,522	100%	13,614,193	100%	20,374,594	100%	16,236,989	100%	19,665,746	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 3 (Add HOT)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	132,728	0.2%	29,781	0.2%	38,257	0.2%	26,508	0.2%	38,183	0.2%
10	658,990	0.9%	148,373	1.1%	190,013	0.9%	128,775	0.8%	191,830	1.0%
15	1,629,556	2.3%	355,340	2.6%	475,866	2.3%	328,788	2.0%	469,562	2.4%
20	7,692,386	11.0%	1,596,633	11.7%	2,269,699	11.1%	1,751,776	10.8%	2,074,278	10.6%
25	3,863,902	5.5%	841,100	6.2%	1,112,010	5.5%	878,343	5.4%	1,032,449	5.3%
30	5,427,245	7.8%	1,167,007	8.6%	1,571,643	7.7%	1,220,184	7.5%	1,468,412	7.5%
35	8,352,076	12.0%	1,715,469	12.6%	2,397,299	11.8%	1,937,141	11.9%	2,302,167	11.7%
40	6,780,640	9.7%	1,333,898	9.8%	1,932,917	9.5%	1,651,710	10.2%	1,862,115	9.5%
45	5,449,875	7.8%	1,034,732	7.6%	1,550,040	7.6%	1,336,763	8.2%	1,528,340	7.8%
50	5,480,794	7.8%	1,116,919	8.2%	1,584,859	7.8%	1,212,080	7.5%	1,566,936	8.0%
55	9,269,175	13.3%	1,803,636	13.2%	2,702,222	13.3%	2,106,546	13.0%	2,656,771	13.5%
60	8,967,344	12.8%	1,556,613	11.4%	2,692,894	13.2%	2,126,367	13.1%	2,591,470	13.2%
65	4,256,471	6.1%	612,026	4.5%	1,242,151	6.1%	1,049,880	6.5%	1,352,413	6.9%
70	1,908,735	2.7%	303,145	2.2%	604,721	3.0%	480,932	3.0%	519,938	2.6%
Total	69,869,915	100%	13,614,671	100%	20,364,591	100%	16,235,791	100%	19,654,863	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 4 (Add HOT3+)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	142,335	0.2%	31,712	0.2%	41,030	0.2%	28,401	0.2%	41,192	0.2%
10	594,766	0.9%	136,243	1.0%	171,701	0.8%	117,331	0.7%	169,492	0.9%
15	1,679,786	2.4%	363,688	2.7%	490,684	2.4%	337,933	2.1%	487,481	2.5%
20	7,647,342	11.0%	1,587,876	11.7%	2,257,506	11.1%	1,741,423	10.7%	2,060,537	10.5%
25	3,928,076	5.6%	850,571	6.3%	1,130,181	5.6%	888,630	5.5%	1,058,695	5.4%
30	5,209,269	7.5%	1,126,430	8.3%	1,509,101	7.4%	1,174,784	7.2%	1,398,954	7.1%
35	8,722,688	12.5%	1,786,946	13.1%	2,509,579	12.3%	2,015,157	12.4%	2,411,006	12.3%
40	6,540,200	9.4%	1,284,805	9.5%	1,864,701	9.2%	1,596,433	9.9%	1,794,262	9.1%
45	5,753,170	8.2%	1,092,090	8.0%	1,655,792	8.1%	1,398,230	8.6%	1,607,058	8.2%
50	5,330,662	7.6%	1,081,661	8.0%	1,549,342	7.6%	1,165,288	7.2%	1,534,372	7.8%
55	9,254,452	13.3%	1,800,584	13.2%	2,708,250	13.3%	2,100,538	13.0%	2,645,080	13.5%
60	9,070,650	13.0%	1,574,126	11.6%	2,710,893	13.3%	2,157,243	13.3%	2,628,388	13.4%
65	4,005,435	5.7%	574,961	4.2%	1,146,306	5.6%	1,003,267	6.2%	1,280,901	6.5%
70	1,909,652	2.7%	303,154	2.2%	604,713	3.0%	481,453	3.0%	520,331	2.6%
Total	69,788,483	100%	13,594,850	100%	20,349,777	100%	16,206,109	100%	19,637,747	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 5 (Add Toll)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	143,092	0.2%	32,033	0.2%	41,427	0.2%	28,646	0.2%	40,986	0.2%
10	604,108	0.9%	137,673	1.0%	174,564	0.9%	118,912	0.7%	172,960	0.9%
15	1,708,772	2.4%	369,974	2.7%	497,863	2.4%	342,756	2.1%	498,178	2.5%
20	7,765,594	11.1%	1,612,599	11.9%	2,289,843	11.2%	1,766,049	10.9%	2,097,104	10.7%
25	3,830,494	5.5%	830,574	6.1%	1,102,870	5.4%	869,762	5.4%	1,027,289	5.2%
30	5,425,740	7.8%	1,170,388	8.6%	1,572,427	7.7%	1,219,741	7.5%	1,463,183	7.4%
35	8,452,835	12.1%	1,733,865	12.7%	2,428,008	11.9%	1,958,889	12.1%	2,332,072	11.9%
40	6,929,210	9.9%	1,359,825	10.0%	1,987,136	9.8%	1,677,612	10.3%	1,904,637	9.7%
45	5,765,675	8.3%	1,102,042	8.1%	1,663,156	8.2%	1,398,188	8.6%	1,602,289	8.1%
50	5,230,319	7.5%	1,061,381	7.8%	1,519,855	7.5%	1,143,318	7.1%	1,505,765	7.7%
55	9,024,540	12.9%	1,757,628	12.9%	2,645,593	13.0%	2,048,974	12.6%	2,572,346	13.1%
60	9,081,018	13.0%	1,575,597	11.6%	2,716,583	13.3%	2,153,878	13.3%	2,634,960	13.4%
65	3,967,480	5.7%	558,636	4.1%	1,110,326	5.5%	1,006,485	6.2%	1,292,032	6.6%
70	1,910,212	2.7%	303,298	2.2%	604,937	3.0%	481,824	3.0%	520,154	2.6%
Total	69,839,089	100%	13,605,513	100%	20,354,587	100%	16,215,034	100%	19,663,955	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 6 (Add Transit)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	126,991	0.2%	28,196	0.2%	36,659	0.2%	25,181	0.2%	36,954	0.2%
10	580,913	0.8%	132,325	1.0%	167,873	0.8%	113,886	0.7%	166,829	0.9%
15	1,539,252	2.2%	335,340	2.5%	450,094	2.2%	310,757	1.9%	443,061	2.3%
20	7,641,024	11.0%	1,583,475	11.7%	2,257,599	11.1%	1,734,929	10.8%	2,065,021	10.6%
25	4,168,993	6.0%	897,714	6.7%	1,204,432	5.9%	938,292	5.8%	1,128,555	5.8%
30	5,166,814	7.4%	1,113,578	8.3%	1,499,707	7.4%	1,164,238	7.2%	1,389,291	7.1%
35	8,724,169	12.6%	1,783,554	13.2%	2,507,832	12.4%	2,012,760	12.5%	2,420,022	12.4%
40	6,973,900	10.1%	1,363,061	10.1%	1,999,449	9.9%	1,692,566	10.5%	1,918,824	9.8%
45	5,273,852	7.6%	996,543	7.4%	1,502,322	7.4%	1,294,176	8.0%	1,480,810	7.6%
50	5,393,384	7.8%	1,090,071	8.1%	1,556,203	7.7%	1,183,774	7.4%	1,563,337	8.0%
55	9,121,190	13.1%	1,762,984	13.1%	2,677,357	13.2%	2,067,514	12.9%	2,613,336	13.4%
60	9,089,558	13.1%	1,569,888	11.6%	2,723,481	13.4%	2,144,952	13.3%	2,651,237	13.6%
65	3,657,064	5.3%	529,527	3.9%	1,070,798	5.3%	914,473	5.7%	1,142,265	5.8%
70	1,921,217	2.8%	305,596	2.3%	607,224	3.0%	485,100	3.0%	523,296	2.7%
Total	69,378,321	100%	13,491,855	100%	20,261,031	100%	16,082,598	100%	19,542,838	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 7 (Convert HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	141,664	0.2%	31,678	0.2%	40,803	0.2%	28,668	0.2%	40,516	0.2%
10	663,841	1.0%	149,191	1.1%	191,244	0.9%	128,572	0.8%	194,834	1.0%
15	1,766,857	2.5%	383,038	2.8%	518,096	2.6%	360,557	2.2%	505,166	2.6%
20	8,081,788	11.6%	1,679,044	12.4%	2,387,775	11.8%	1,837,471	11.4%	2,177,498	11.1%
25	3,719,630	5.3%	805,334	5.9%	1,072,275	5.3%	846,235	5.2%	995,786	5.1%
30	5,395,223	7.8%	1,167,198	8.6%	1,560,570	7.7%	1,213,735	7.5%	1,453,720	7.4%
35	8,715,031	12.5%	1,785,019	13.2%	2,500,889	12.3%	2,015,334	12.5%	2,413,789	12.3%
40	6,588,601	9.5%	1,295,423	9.6%	1,877,847	9.2%	1,613,043	10.0%	1,802,287	9.2%
45	5,607,690	8.1%	1,068,315	7.9%	1,589,833	7.8%	1,366,496	8.5%	1,583,046	8.1%
50	4,842,467	7.0%	986,142	7.3%	1,395,174	6.9%	1,066,588	6.6%	1,394,562	7.1%
55	8,778,095	12.6%	1,704,376	12.6%	2,571,662	12.7%	1,990,893	12.3%	2,511,163	12.8%
60	9,057,445	13.0%	1,570,356	11.6%	2,703,870	13.3%	2,157,394	13.4%	2,625,825	13.4%
65	4,300,839	6.2%	607,069	4.5%	1,292,824	6.4%	1,035,183	6.4%	1,365,764	7.0%
70	1,931,495	2.8%	307,959	2.3%	608,485	3.0%	488,676	3.0%	526,375	2.7%
Total	69,590,666	100%	13,540,142	100%	20,311,347	100%	16,148,844	100%	19,590,333	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative 8 (Add HOV Ext)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	139,899	0.2%	31,294	0.2%	40,376	0.2%	27,816	0.2%	40,414	0.2%
10	615,858	0.9%	140,999	1.0%	178,085	0.9%	121,596	0.7%	175,178	0.9%
15	1,678,434	2.4%	363,609	2.7%	490,115	2.4%	337,695	2.1%	487,015	2.5%
20	7,805,263	11.2%	1,619,004	11.9%	2,302,825	11.3%	1,773,225	10.9%	2,110,208	10.7%
25	3,804,565	5.4%	828,317	6.1%	1,094,485	5.4%	864,639	5.3%	1,017,123	5.2%
30	5,515,294	7.9%	1,189,314	8.7%	1,596,810	7.8%	1,245,911	7.7%	1,483,258	7.5%
35	8,468,277	12.1%	1,738,504	12.8%	2,430,771	11.9%	1,959,752	12.1%	2,339,249	11.9%
40	6,607,325	9.4%	1,294,201	9.5%	1,882,470	9.2%	1,614,519	9.9%	1,816,136	9.2%
45	5,342,080	7.6%	1,012,499	7.4%	1,516,967	7.4%	1,309,318	8.1%	1,503,295	7.6%
50	5,377,399	7.7%	1,092,583	8.0%	1,550,041	7.6%	1,188,506	7.3%	1,546,269	7.9%
55	9,368,807	13.4%	1,825,969	13.4%	2,737,081	13.4%	2,134,898	13.1%	2,670,859	13.6%
60	9,004,588	12.9%	1,564,324	11.5%	2,691,738	13.2%	2,140,539	13.2%	2,607,987	13.3%
65	4,286,556	6.1%	617,226	4.5%	1,269,170	6.2%	1,045,936	6.4%	1,354,224	6.9%
70	1,909,486	2.7%	303,121	2.2%	604,302	3.0%	481,685	3.0%	520,378	2.6%
Total	69,923,830	100%	13,620,964	100%	20,385,237	100%	16,246,035	100%	19,671,594	100%



**Regional VMT by Speed Bin - Opening Year 2029 Alternative 9 (Add HOV no Ent)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	143,649	0.2%	32,090	0.2%	41,577	0.2%	28,715	0.2%	41,268	0.2%
10	607,568	0.9%	139,674	1.0%	175,011	0.9%	120,260	0.7%	172,623	0.9%
15	1,735,813	2.5%	375,411	2.8%	507,215	2.5%	349,183	2.1%	504,004	2.6%
20	7,811,076	11.2%	1,621,973	11.9%	2,302,048	11.3%	1,775,293	10.9%	2,111,761	10.7%
25	3,802,322	5.4%	825,930	6.1%	1,092,694	5.4%	865,606	5.3%	1,018,091	5.2%
30	5,573,408	8.0%	1,203,244	8.8%	1,611,193	7.9%	1,259,081	7.7%	1,499,890	7.6%
35	8,458,960	12.1%	1,734,554	12.7%	2,425,390	11.9%	1,960,884	12.1%	2,338,132	11.9%
40	6,507,540	9.3%	1,277,699	9.4%	1,848,545	9.1%	1,592,329	9.8%	1,788,967	9.1%
45	5,404,863	7.7%	1,021,798	7.5%	1,535,311	7.5%	1,323,155	8.1%	1,524,599	7.7%
50	5,482,352	7.8%	1,117,265	8.2%	1,575,742	7.7%	1,211,872	7.5%	1,577,472	8.0%
55	9,188,430	13.1%	1,790,384	13.1%	2,691,007	13.2%	2,094,939	12.9%	2,612,100	13.3%
60	8,989,251	12.8%	1,564,071	11.5%	2,693,955	13.2%	2,131,290	13.1%	2,599,934	13.2%
65	4,364,204	6.2%	625,482	4.6%	1,290,469	6.3%	1,068,832	6.6%	1,379,421	7.0%
70	1,912,197	2.7%	303,502	2.2%	605,075	3.0%	482,402	3.0%	521,217	2.6%
Total	69,981,633	100%	13,633,079	100%	20,395,234	100%	16,263,840	100%	19,689,480	100%

**Regional VMT by Speed Bin - Opening Year 2029 Alternative B (Add GP)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	130,459	0.2%	29,147	0.2%	37,668	0.2%	25,987	0.2%	37,657	0.2%
10	546,870	0.8%	124,204	0.9%	158,688	0.8%	106,821	0.7%	157,156	0.8%
15	1,616,670	2.3%	353,661	2.6%	471,398	2.3%	326,718	2.0%	464,893	2.4%
20	7,669,089	11.0%	1,587,764	11.7%	2,265,623	11.1%	1,741,568	10.8%	2,074,134	10.6%
25	3,905,435	5.6%	846,574	6.2%	1,126,736	5.5%	883,740	5.5%	1,048,385	5.3%
30	5,158,553	7.4%	1,113,913	8.2%	1,496,551	7.4%	1,160,805	7.2%	1,387,284	7.1%
35	8,679,352	12.5%	1,782,994	13.1%	2,492,037	12.3%	2,000,446	12.4%	2,403,874	12.3%
40	6,451,566	9.3%	1,260,711	9.3%	1,842,265	9.1%	1,574,996	9.7%	1,773,593	9.0%
45	5,286,485	7.6%	996,582	7.3%	1,506,284	7.4%	1,292,685	8.0%	1,490,934	7.6%
50	4,884,876	7.0%	1,000,462	7.4%	1,404,678	6.9%	1,072,931	6.6%	1,406,806	7.2%
55	10,449,309	15.0%	2,012,238	14.8%	3,056,345	15.0%	2,378,041	14.7%	3,002,685	15.3%
60	9,333,852	13.4%	1,625,431	12.0%	2,793,787	13.7%	2,204,363	13.6%	2,710,271	13.8%
65	3,650,020	5.2%	530,937	3.9%	1,069,472	5.3%	918,627	5.7%	1,130,984	5.8%
70	1,907,914	2.7%	302,909	2.2%	604,355	3.0%	480,887	3.0%	519,763	2.7%
Total	69,670,450	100%	13,567,529	100%	20,325,886	100%	16,168,616	100%	19,608,419	100%

**Corridor VMT by Speed Bin - Existing Conditions**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
30	46,836	1.3%	9,115	1.3%	13,854	1.3%	9,366	1.1%	14,501	1.4%
35	339,263	9.1%	65,583	9.1%	100,308	9.1%	75,011	8.7%	98,361	9.3%
40	352,602	9.4%	66,663	9.2%	105,984	9.6%	79,153	9.2%	100,802	9.5%
45	189,998	5.1%	37,355	5.2%	56,352	5.1%	40,120	4.7%	56,171	5.3%
50	748,449	20.0%	150,052	20.8%	221,321	20.0%	158,619	18.5%	218,457	20.7%
55	658,336	17.6%	136,124	18.9%	191,676	17.3%	145,349	16.9%	185,187	17.5%
60	970,426	25.9%	182,233	25.3%	286,130	25.9%	237,736	27.7%	264,328	25.0%
65	435,235	11.6%	74,054	10.3%	129,730	11.7%	112,309	13.1%	119,142	11.3%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	3,741,146	100%	721,179	100%	1,105,356	100%	857,663	100%	1,056,948	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 1 (No Build)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	29,959	0.8%	5,807	0.8%	8,577	0.7%	6,133	0.7%	9,441	0.9%
25	277,730	7.2%	55,333	7.4%	82,711	7.1%	60,500	6.9%	79,186	7.3%
30	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
35	79,268	2.0%	15,507	2.1%	23,372	2.0%	16,850	1.9%	23,539	2.2%
40	46,797	1.2%	8,960	1.2%	13,799	1.2%	9,413	1.1%	14,625	1.3%
45	670,128	17.3%	126,990	17.1%	204,034	17.5%	146,212	16.6%	192,892	17.7%
50	650,305	16.8%	132,091	17.8%	194,716	16.7%	138,603	15.7%	184,895	17.0%
55	586,853	15.1%	117,147	15.7%	175,988	15.1%	128,634	14.6%	165,084	15.1%
60	1,117,752	28.8%	210,093	28.2%	333,844	28.6%	269,175	30.5%	304,641	28.0%
65	422,203	10.9%	72,012	9.7%	128,873	11.1%	105,813	12.0%	115,505	10.6%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	3,880,995	100%	743,940	100%	1,165,916	100%	881,333	100%	1,089,806	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 2 (Add HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	31,261	0.7%	5,963	0.7%	8,794	0.7%	6,288	0.6%	10,217	0.9%
25	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
30	273,811	6.5%	58,232	7.1%	79,713	6.4%	62,358	6.2%	73,508	6.3%
35	28,032	0.7%	5,412	0.7%	8,257	0.7%	5,717	0.6%	8,646	0.7%
40	97,602	2.3%	19,066	2.3%	28,317	2.3%	20,375	2.0%	29,843	2.5%
45	186,186	4.4%	38,072	4.7%	53,232	4.3%	40,819	4.1%	54,063	4.6%
50	728,409	17.2%	152,242	18.6%	212,773	17.1%	170,974	17.0%	192,420	16.4%
55	746,262	17.6%	164,202	20.1%	216,063	17.3%	176,026	17.5%	189,972	16.2%
60	1,054,547	24.9%	208,201	25.5%	303,269	24.3%	268,087	26.7%	274,990	23.5%
65	1,091,541	25.8%	164,988	20.2%	335,550	26.9%	253,443	25.2%	337,559	28.8%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,237,651	100%	816,379	100%	1,245,967	100%	1,004,087	100%	1,171,219	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 3 (Add HOT)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	30,962	0.7%	5,953	0.7%	8,729	0.7%	6,287	0.6%	9,992	0.9%
25	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
30	54,336	1.3%	10,783	1.3%	15,764	1.3%	11,490	1.1%	16,300	1.4%
35	27,755	0.7%	5,400	0.7%	8,182	0.7%	5,708	0.6%	8,465	0.7%
40	284,997	6.7%	60,049	7.3%	81,538	6.6%	63,909	6.3%	79,501	6.8%
45	269,877	6.4%	54,713	6.7%	78,466	6.3%	60,530	6.0%	76,168	6.5%
50	845,711	19.9%	174,754	21.4%	250,042	20.1%	196,720	19.5%	224,194	19.1%
55	590,600	13.9%	131,861	16.1%	171,574	13.8%	136,442	13.6%	150,722	12.9%
60	1,150,356	27.1%	223,534	27.3%	336,463	27.0%	289,604	28.8%	300,756	25.7%
65	985,647	23.2%	151,017	18.5%	293,691	23.6%	235,914	23.4%	305,025	26.0%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,240,240	100%	818,064	100%	1,244,449	100%	1,006,604	100%	1,171,124	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 4 (Add HOT3+)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	31,090	0.7%	5,947	0.7%	8,757	0.7%	6,276	0.6%	10,111	0.9%
25	13,316	0.3%	2,095	0.3%	3,894	0.3%	2,232	0.2%	5,096	0.4%
30	13,807	0.3%	2,868	0.4%	4,309	0.3%	3,099	0.3%	3,532	0.3%
35	248,650	5.9%	50,266	6.2%	77,535	6.3%	54,039	5.4%	66,809	5.7%
40	39,070	0.9%	8,098	1.0%	12,054	1.0%	8,768	0.9%	10,150	0.9%
45	657,960	15.7%	133,133	16.4%	204,796	16.6%	143,653	14.5%	176,378	15.1%
50	632,539	15.1%	128,992	15.9%	195,914	15.9%	137,776	13.9%	169,858	14.6%
55	675,432	16.1%	149,268	18.4%	204,298	16.6%	156,363	15.7%	165,503	14.2%
60	1,087,642	25.9%	210,999	26.0%	316,152	25.7%	276,056	27.8%	284,435	24.4%
65	801,176	19.1%	118,405	14.6%	204,066	16.6%	205,262	20.7%	273,443	23.5%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,200,683	100%	810,070	100%	1,231,775	100%	993,525	100%	1,165,313	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 5 (Add Toll)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	31,052	0.7%	5,956	0.7%	8,756	0.7%	6,282	0.6%	10,058	0.9%
25	32,723	0.8%	6,684	0.8%	10,590	0.9%	7,166	0.7%	8,284	0.7%
30	43,340	1.0%	8,829	1.1%	13,788	1.1%	9,122	0.9%	11,602	1.0%
35	129,466	3.1%	26,191	3.3%	40,742	3.3%	28,072	2.8%	34,461	3.0%
40	374,060	9.0%	74,166	9.2%	119,510	9.8%	77,843	7.9%	102,541	8.8%
45	627,515	15.0%	127,037	15.8%	199,776	16.4%	134,844	13.7%	165,858	14.3%
50	621,898	14.9%	129,453	16.1%	191,613	15.7%	134,994	13.7%	165,837	14.3%
55	534,386	12.8%	117,536	14.7%	162,268	13.3%	123,185	12.5%	131,397	11.3%
60	1,062,867	25.5%	208,380	26.0%	312,025	25.6%	272,242	27.6%	270,219	23.3%
65	713,584	17.1%	97,994	12.2%	161,799	13.3%	191,909	19.5%	261,882	22.5%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,170,891	100%	802,226	100%	1,220,866	100%	985,660	100%	1,162,140	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 6 (Add Transit)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	45,884	1.2%	8,902	1.2%	13,185	1.1%	9,546	1.1%	14,252	1.3%
25	267,838	6.8%	53,080	7.0%	79,532	6.7%	58,214	6.5%	77,012	6.9%
30	11,102	0.3%	2,078	0.3%	3,494	0.3%	2,256	0.3%	3,274	0.3%
35	131,646	3.3%	25,429	3.3%	38,948	3.3%	28,898	3.2%	38,371	3.4%
40	541,204	13.7%	102,351	13.5%	164,836	13.9%	117,148	13.1%	156,869	14.1%
45	126,060	3.2%	24,601	3.2%	36,634	3.1%	26,832	3.0%	37,993	3.4%
50	677,320	17.1%	137,632	18.1%	201,553	17.0%	143,896	16.0%	194,239	17.4%
55	658,218	16.6%	132,884	17.5%	196,501	16.6%	143,799	16.0%	185,034	16.6%
60	1,082,513	27.4%	201,405	26.5%	323,592	27.4%	261,550	29.2%	295,967	26.5%
65	411,786	10.4%	70,869	9.3%	123,984	10.5%	104,725	11.7%	112,208	10.1%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	3,953,571	100%	759,231	100%	1,182,258	100%	896,863	100%	1,115,219	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 7 (Convert HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	186,673	4.8%	39,252	5.5%	55,208	4.7%	41,736	4.8%	50,476	4.6%
20	248,569	6.4%	51,101	7.1%	75,087	6.4%	58,418	6.7%	63,963	5.8%
25	52,040	1.3%	10,438	1.5%	15,462	1.3%	11,213	1.3%	14,927	1.4%
30	109,427	2.8%	25,914	3.6%	31,048	2.6%	23,252	2.7%	29,213	2.7%
35	76,340	2.0%	15,552	2.2%	22,779	1.9%	17,553	2.0%	20,455	1.9%
40	174,328	4.5%	34,814	4.9%	53,172	4.5%	35,666	4.1%	50,675	4.6%
45	93,167	2.4%	18,037	2.5%	27,130	2.3%	19,272	2.2%	28,729	2.6%
50	452,397	11.7%	91,889	12.8%	134,965	11.4%	97,654	11.2%	127,889	11.7%
55	454,707	11.8%	98,460	13.8%	134,152	11.4%	105,312	12.0%	116,782	10.6%
60	953,396	24.7%	182,309	25.5%	282,357	23.9%	240,549	27.5%	248,181	22.6%
65	1,066,144	27.6%	147,853	20.7%	348,212	29.5%	224,560	25.7%	345,519	31.5%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	3,867,187	100%	715,619	100%	1,179,573	100%	875,186	100%	1,096,810	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 8 (Add HOV Ext)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	31,094	0.7%	5,961	0.7%	8,782	0.7%	6,292	0.6%	10,059	0.9%
25	11,673	0.3%	2,118	0.3%	3,761	0.3%	2,189	0.2%	3,605	0.3%
30	263,456	6.2%	56,177	6.9%	75,390	6.0%	60,171	6.0%	71,717	6.1%
35	27,875	0.7%	5,402	0.7%	8,184	0.7%	5,717	0.6%	8,572	0.7%
40	35,564	0.8%	6,852	0.8%	10,406	0.8%	7,143	0.7%	11,163	1.0%
45	279,365	6.6%	56,573	6.9%	79,844	6.4%	60,804	6.1%	82,144	7.0%
50	682,291	16.1%	143,121	17.5%	200,341	16.1%	161,720	16.1%	177,109	15.1%
55	754,275	17.8%	166,517	20.4%	218,505	17.5%	177,733	17.7%	191,520	16.3%
60	1,039,400	24.5%	207,734	25.4%	301,044	24.1%	266,769	26.5%	263,852	22.5%
65	1,116,875	26.3%	167,495	20.5%	341,079	27.3%	256,476	25.5%	351,825	30.0%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,241,867	100%	817,951	100%	1,247,335	100%	1,005,015	100%	1,171,567	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative 9 (Add HOV no Ent)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	31,130	0.7%	5,953	0.7%	8,778	0.7%	6,287	0.6%	10,112	0.9%
25	12,060	0.3%	2,127	0.3%	3,686	0.3%	2,231	0.2%	4,017	0.3%
30	259,500	6.2%	55,972	6.9%	74,478	6.0%	60,181	6.0%	68,870	5.9%
35	27,870	0.7%	5,400	0.7%	8,238	0.7%	5,717	0.6%	8,516	0.7%
40	48,969	1.2%	9,921	1.2%	14,307	1.2%	10,693	1.1%	14,048	1.2%
45	255,317	6.1%	51,600	6.4%	72,903	5.9%	55,576	5.6%	75,238	6.5%
50	699,918	16.6%	147,176	18.1%	204,676	16.5%	165,645	16.5%	182,420	15.7%
55	740,937	17.6%	163,535	20.2%	215,522	17.4%	175,422	17.5%	186,458	16.0%
60	1,016,546	24.1%	203,677	25.1%	294,668	23.8%	260,587	26.0%	257,614	22.1%
65	1,123,995	26.7%	165,916	20.5%	342,735	27.6%	258,774	25.8%	356,570	30.6%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,216,243	100%	811,277	100%	1,239,990	100%	1,001,113	100%	1,163,863	100%

**Corridor VMT by Speed Bin - Opening Year 2029 Alternative B (Add GP)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	28,897	0.7%	3,918	0.5%	8,768	0.7%	6,289	0.6%	9,921	0.8%
25	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
30	41,252	1.0%	8,077	1.0%	12,101	1.0%	8,601	0.9%	12,474	1.1%
35	45,607	1.1%	8,655	1.1%	13,364	1.1%	9,227	0.9%	14,361	1.2%
40	28,381	0.7%	5,931	0.7%	8,197	0.7%	6,081	0.6%	8,171	0.7%
45	174,068	4.1%	34,478	4.2%	49,998	4.0%	37,028	3.7%	52,564	4.5%
50	859,810	20.3%	175,309	21.4%	247,516	19.9%	191,561	19.0%	245,423	21.0%
55	1,158,517	27.3%	223,889	27.3%	344,116	27.7%	275,990	27.4%	314,521	26.9%
60	1,445,879	34.1%	282,655	34.4%	422,204	34.0%	349,909	34.7%	391,111	33.4%
65	456,930	10.8%	77,680	9.5%	134,639	10.9%	122,859	12.2%	121,752	10.4%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,239,339	100%	820,593	100%	1,240,902	100%	1,007,546	100%	1,170,298	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 1 (No Build)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	102,791	0.1%	22,419	0.2%	29,744	0.1%	20,290	0.1%	30,338	0.1%
10	583,708	0.8%	125,842	0.9%	169,645	0.8%	113,567	0.7%	174,653	0.8%
15	1,402,465	1.9%	296,918	2.1%	419,189	1.9%	279,663	1.6%	406,695	2.0%
20	7,628,458	10.3%	1,554,358	10.9%	2,288,494	10.5%	1,735,584	10.2%	2,050,023	9.9%
25	4,132,215	5.6%	861,216	6.0%	1,219,274	5.6%	918,260	5.4%	1,133,465	5.5%
30	5,543,803	7.5%	1,179,764	8.3%	1,635,161	7.5%	1,229,907	7.2%	1,498,972	7.2%
35	9,394,627	12.7%	1,933,340	13.5%	2,742,612	12.6%	2,138,349	12.6%	2,580,326	12.4%
40	8,312,632	11.3%	1,596,688	11.2%	2,424,218	11.1%	1,993,869	11.7%	2,297,856	11.1%
45	6,151,733	8.3%	1,165,146	8.2%	1,770,883	8.1%	1,480,129	8.7%	1,735,575	8.4%
50	4,929,617	6.7%	1,007,001	7.1%	1,434,022	6.6%	1,061,660	6.3%	1,426,934	6.9%
55	10,534,428	14.3%	2,028,194	14.2%	3,100,003	14.2%	2,366,097	13.9%	3,040,134	14.6%
60	9,915,755	13.4%	1,707,551	12.0%	2,990,267	13.7%	2,330,903	13.7%	2,887,033	13.9%
65	2,986,405	4.0%	450,647	3.2%	885,175	4.1%	741,030	4.4%	909,553	4.4%
70	2,176,005	2.9%	342,357	2.4%	685,435	3.1%	560,431	3.3%	587,782	2.8%
Total	73,794,643	100%	14,271,443	100%	21,794,121	100%	16,969,739	100%	20,759,341	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 2 (Add HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	102,326	0.1%	22,157	0.2%	29,674	0.1%	20,380	0.1%	30,115	0.1%
10	588,147	0.8%	125,953	0.9%	171,725	0.8%	113,962	0.7%	176,507	0.8%
15	1,412,082	1.9%	299,143	2.1%	421,361	1.9%	282,116	1.7%	409,463	2.0%
20	7,616,056	10.3%	1,552,773	10.8%	2,284,043	10.4%	1,734,657	10.2%	2,044,584	9.8%
25	3,841,238	5.2%	805,375	5.6%	1,131,918	5.2%	854,934	5.0%	1,049,011	5.0%
30	5,783,122	7.8%	1,232,158	8.6%	1,703,414	7.8%	1,285,362	7.5%	1,562,187	7.5%
35	9,393,331	12.7%	1,935,622	13.5%	2,741,504	12.5%	2,135,567	12.5%	2,580,637	12.4%
40	8,028,151	10.8%	1,543,116	10.8%	2,335,117	10.7%	1,927,474	11.3%	2,222,445	10.7%
45	5,910,913	8.0%	1,115,260	7.8%	1,696,244	7.8%	1,428,682	8.4%	1,670,727	8.0%
50	5,108,504	6.9%	1,042,801	7.3%	1,487,063	6.8%	1,107,677	6.5%	1,470,962	7.1%
55	11,609,887	15.7%	2,239,140	15.6%	3,419,154	15.6%	2,645,316	15.5%	3,306,277	15.9%
60	8,872,452	12.0%	1,532,506	10.7%	2,670,638	12.2%	2,074,883	12.2%	2,594,425	12.5%
65	3,664,733	4.9%	542,311	3.8%	1,105,655	5.1%	886,297	5.2%	1,130,470	5.4%
70	2,163,737	2.9%	340,057	2.4%	681,974	3.1%	557,487	3.3%	584,219	2.8%
Total	74,094,679	100%	14,328,370	100%	21,879,483	100%	17,054,795	100%	20,832,031	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 3 (Add HOT)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	100,799	0.1%	21,793	0.2%	29,268	0.1%	20,058	0.1%	29,681	0.1%
10	586,431	0.8%	126,588	0.9%	170,170	0.8%	114,686	0.7%	174,985	0.8%
15	1,380,644	1.9%	292,138	2.0%	413,039	1.9%	275,841	1.6%	399,626	1.9%
20	7,699,488	10.4%	1,569,051	11.0%	2,307,329	10.6%	1,750,501	10.3%	2,072,607	10.0%
25	3,808,008	5.1%	800,459	5.6%	1,122,031	5.1%	851,749	5.0%	1,033,769	5.0%
30	5,394,984	7.3%	1,145,554	8.0%	1,590,246	7.3%	1,200,602	7.0%	1,458,581	7.0%
35	9,338,830	12.6%	1,925,176	13.4%	2,722,983	12.5%	2,123,800	12.5%	2,566,871	12.3%
40	8,391,245	11.3%	1,625,391	11.3%	2,438,615	11.2%	2,004,490	11.8%	2,322,749	11.2%
45	5,974,445	8.1%	1,131,348	7.9%	1,719,151	7.9%	1,448,927	8.5%	1,675,019	8.0%
50	4,828,609	6.5%	980,609	6.8%	1,400,799	6.4%	1,033,865	6.1%	1,413,337	6.8%
55	11,891,491	16.1%	2,298,172	16.0%	3,499,593	16.0%	2,711,354	15.9%	3,382,372	16.2%
60	8,908,997	12.0%	1,532,257	10.7%	2,702,431	12.4%	2,075,864	12.2%	2,598,445	12.5%
65	3,587,408	4.8%	537,864	3.8%	1,060,139	4.9%	874,248	5.1%	1,115,156	5.4%
70	2,161,353	2.9%	339,481	2.4%	681,210	3.1%	557,072	3.3%	583,591	2.8%
Total	74,052,732	100%	14,325,883	100%	21,857,005	100%	17,043,056	100%	20,826,788	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 4 (Add HOT3+)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	99,813	0.1%	21,618	0.2%	28,912	0.1%	19,904	0.1%	29,379	0.1%
10	561,699	0.8%	122,015	0.9%	163,006	0.7%	109,315	0.6%	167,363	0.8%
15	1,378,322	1.9%	291,402	2.0%	411,438	1.9%	275,597	1.6%	399,885	1.9%
20	7,663,414	10.4%	1,560,905	10.9%	2,297,094	10.5%	1,744,851	10.3%	2,060,565	9.9%
25	3,900,811	5.3%	818,563	5.7%	1,151,317	5.3%	868,088	5.1%	1,062,844	5.1%
30	5,434,498	7.4%	1,155,724	8.1%	1,601,469	7.3%	1,210,665	7.1%	1,466,640	7.1%
35	9,238,502	12.5%	1,905,343	13.3%	2,695,692	12.3%	2,107,990	12.4%	2,529,476	12.2%
40	8,140,320	11.0%	1,569,065	11.0%	2,364,792	10.8%	1,950,972	11.5%	2,255,491	10.8%
45	5,915,490	8.0%	1,122,613	7.8%	1,701,689	7.8%	1,443,729	8.5%	1,647,459	7.9%
50	5,135,707	6.9%	1,036,564	7.2%	1,494,954	6.8%	1,110,121	6.5%	1,494,067	7.2%
55	11,918,548	16.1%	2,305,478	16.1%	3,512,573	16.1%	2,729,399	16.1%	3,371,098	16.2%
60	9,049,388	12.2%	1,552,369	10.9%	2,737,465	12.5%	2,108,015	12.4%	2,651,539	12.8%
65	3,340,174	4.5%	505,016	3.5%	995,040	4.6%	766,292	4.5%	1,073,825	5.2%
70	2,161,976	2.9%	339,561	2.4%	681,548	3.1%	556,855	3.3%	584,012	2.8%
Total	73,938,660	100%	14,306,235	100%	21,836,990	100%	17,001,792	100%	20,793,643	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 5 (Add Toll)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	100,675	0.1%	21,814	0.2%	29,245	0.1%	20,024	0.1%	29,592	0.1%
10	577,686	0.8%	125,729	0.9%	167,810	0.8%	112,440	0.7%	171,708	0.8%
15	1,407,103	1.9%	296,380	2.1%	420,304	1.9%	281,241	1.7%	409,179	2.0%
20	7,638,738	10.3%	1,558,355	10.9%	2,291,041	10.5%	1,738,878	10.2%	2,050,464	9.9%
25	3,850,665	5.2%	808,593	5.7%	1,136,688	5.2%	857,448	5.0%	1,047,936	5.0%
30	5,518,678	7.5%	1,174,432	8.2%	1,626,741	7.4%	1,228,150	7.2%	1,489,355	7.2%
35	9,144,806	12.4%	1,880,468	13.1%	2,666,314	12.2%	2,088,285	12.3%	2,509,739	12.1%
40	8,212,869	11.1%	1,584,919	11.1%	2,384,946	10.9%	1,964,983	11.6%	2,278,021	11.0%
45	5,723,642	7.7%	1,079,041	7.5%	1,647,724	7.5%	1,402,538	8.3%	1,594,339	7.7%
50	5,386,735	7.3%	1,087,627	7.6%	1,573,181	7.2%	1,167,452	6.9%	1,558,475	7.5%
55	11,935,550	16.1%	2,303,460	16.1%	3,526,592	16.1%	2,733,967	16.1%	3,371,531	16.2%
60	9,098,522	12.3%	1,563,721	10.9%	2,752,143	12.6%	2,117,382	12.5%	2,665,276	12.8%
65	3,157,864	4.3%	479,957	3.4%	942,563	4.3%	715,296	4.2%	1,020,049	4.9%
70	2,162,341	2.9%	339,581	2.4%	681,856	3.1%	557,021	3.3%	583,883	2.8%
Total	73,915,873	100%	14,304,075	100%	21,847,148	100%	16,985,103	100%	20,779,547	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 6 (Add Transit)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	104,776	0.1%	22,861	0.2%	30,299	0.1%	20,684	0.1%	30,932	0.1%
10	562,501	0.8%	122,108	0.9%	163,577	0.8%	109,590	0.6%	167,226	0.8%
15	1,419,697	1.9%	299,255	2.1%	424,506	1.9%	282,292	1.7%	413,645	2.0%
20	7,601,317	10.3%	1,548,396	10.9%	2,280,122	10.5%	1,729,998	10.2%	2,042,801	9.8%
25	4,201,800	5.7%	877,884	6.2%	1,242,395	5.7%	931,990	5.5%	1,149,532	5.5%
30	5,521,946	7.5%	1,175,468	8.2%	1,627,598	7.5%	1,225,764	7.2%	1,493,116	7.2%
35	9,331,948	12.6%	1,914,565	13.4%	2,725,149	12.5%	2,122,841	12.5%	2,569,392	12.4%
40	8,273,167	11.2%	1,590,281	11.1%	2,414,428	11.1%	1,983,153	11.7%	2,285,305	11.0%
45	6,204,050	8.4%	1,175,733	8.2%	1,787,065	8.2%	1,490,672	8.8%	1,750,579	8.4%
50	4,985,775	6.8%	1,017,871	7.1%	1,452,952	6.7%	1,073,319	6.3%	1,441,633	6.9%
55	10,516,728	14.3%	2,026,636	14.2%	3,098,071	14.2%	2,365,381	13.9%	3,026,641	14.6%
60	9,830,687	13.3%	1,693,718	11.9%	2,965,053	13.6%	2,311,366	13.6%	2,860,549	13.8%
65	3,063,663	4.2%	462,298	3.2%	907,715	4.2%	757,712	4.5%	935,939	4.5%
70	2,176,182	2.9%	342,351	2.4%	685,813	3.1%	560,018	3.3%	588,001	2.8%
Total	73,794,236	100%	14,269,425	100%	21,804,743	100%	16,964,778	100%	20,755,291	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 7 (Convert HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	104,895	0.1%	22,851	0.2%	30,320	0.1%	20,672	0.1%	31,052	0.1%
10	552,464	0.7%	120,273	0.8%	160,388	0.7%	107,501	0.6%	164,301	0.8%
15	1,615,970	2.2%	339,652	2.4%	483,829	2.2%	326,807	1.9%	465,682	2.2%
20	7,807,697	10.6%	1,587,496	11.1%	2,342,756	10.8%	1,777,509	10.5%	2,099,936	10.1%
25	3,853,753	5.2%	809,145	5.7%	1,136,057	5.2%	856,480	5.1%	1,052,072	5.1%
30	5,723,554	7.8%	1,217,185	8.5%	1,686,286	7.7%	1,270,378	7.5%	1,549,705	7.5%
35	9,098,631	12.3%	1,870,339	13.1%	2,656,458	12.2%	2,075,560	12.2%	2,496,273	12.0%
40	8,405,094	11.4%	1,625,365	11.4%	2,444,821	11.2%	2,001,908	11.8%	2,333,001	11.2%
45	6,098,625	8.3%	1,159,911	8.1%	1,750,695	8.0%	1,476,118	8.7%	1,711,901	8.3%
50	4,521,877	6.1%	925,043	6.5%	1,316,678	6.0%	967,066	5.7%	1,313,090	6.3%
55	10,323,773	14.0%	1,999,289	14.0%	3,036,744	13.9%	2,325,200	13.7%	2,962,541	14.3%
60	9,677,383	13.1%	1,672,048	11.7%	2,907,346	13.3%	2,286,674	13.5%	2,811,315	13.6%
65	3,755,621	5.1%	552,265	3.9%	1,145,191	5.3%	892,708	5.3%	1,165,458	5.6%
70	2,185,113	3.0%	344,832	2.4%	686,900	3.2%	562,516	3.3%	590,865	2.8%
Total	73,724,449	100%	14,245,692	100%	21,784,469	100%	16,947,097	100%	20,747,191	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 8 (Add HOV Ext)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	101,337	0.1%	21,903	0.2%	29,366	0.1%	20,180	0.1%	29,888	0.1%
10	588,000	0.8%	127,049	0.9%	170,820	0.8%	114,711	0.7%	175,419	0.8%
15	1,439,492	1.9%	303,848	2.1%	429,923	2.0%	286,856	1.7%	418,865	2.0%
20	7,595,467	10.3%	1,547,701	10.8%	2,275,278	10.4%	1,729,385	10.1%	2,043,103	9.8%
25	3,855,021	5.2%	807,277	5.6%	1,135,290	5.2%	858,593	5.0%	1,053,861	5.1%
30	5,749,528	7.8%	1,220,933	8.5%	1,693,004	7.7%	1,276,411	7.5%	1,559,180	7.5%
35	9,493,944	12.8%	1,957,440	13.7%	2,771,181	12.7%	2,156,595	12.7%	2,608,727	12.5%
40	7,895,986	10.7%	1,521,612	10.6%	2,292,134	10.5%	1,895,080	11.1%	2,187,160	10.5%
45	5,953,979	8.0%	1,122,553	7.8%	1,712,278	7.8%	1,440,248	8.5%	1,678,900	8.1%
50	5,093,466	6.9%	1,039,701	7.3%	1,483,014	6.8%	1,102,140	6.5%	1,468,610	7.0%
55	11,684,052	15.8%	2,255,988	15.7%	3,430,139	15.7%	2,654,531	15.6%	3,343,394	16.0%
60	8,811,009	11.9%	1,517,139	10.6%	2,655,884	12.1%	2,067,674	12.1%	2,570,311	12.3%
65	3,637,848	4.9%	541,730	3.8%	1,102,150	5.0%	882,313	5.2%	1,111,654	5.3%
70	2,164,081	2.9%	339,913	2.4%	681,755	3.1%	557,469	3.3%	584,944	2.8%
Total	74,063,210	100%	14,324,788	100%	21,862,218	100%	17,042,186	100%	20,834,018	100%

**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative 9 (Add HOV no Ent)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	100,787	0.1%	21,804	0.2%	29,266	0.1%	20,057	0.1%	29,660	0.1%
10	568,710	0.8%	123,479	0.9%	165,083	0.8%	110,846	0.6%	169,302	0.8%
15	1,459,733	2.0%	307,617	2.1%	435,719	2.0%	291,123	1.7%	425,275	2.0%
20	7,568,504	10.2%	1,543,367	10.8%	2,268,461	10.4%	1,726,097	10.1%	2,030,580	9.7%
25	3,833,087	5.2%	804,078	5.6%	1,129,478	5.2%	854,131	5.0%	1,045,400	5.0%
30	5,872,504	7.9%	1,252,107	8.7%	1,728,514	7.9%	1,301,773	7.6%	1,590,110	7.6%
35	9,363,619	12.6%	1,927,631	13.5%	2,732,108	12.5%	2,130,588	12.5%	2,573,291	12.4%
40	7,917,631	10.7%	1,521,098	10.6%	2,302,154	10.5%	1,905,360	11.2%	2,189,018	10.5%
45	6,066,468	8.2%	1,146,827	8.0%	1,742,323	8.0%	1,462,150	8.6%	1,715,168	8.2%
50	5,079,732	6.9%	1,037,092	7.2%	1,480,961	6.8%	1,104,263	6.5%	1,457,416	7.0%
55	11,413,054	15.4%	2,204,588	15.4%	3,360,303	15.4%	2,595,912	15.2%	3,252,251	15.6%
60	8,917,127	12.0%	1,547,175	10.8%	2,681,399	12.3%	2,083,200	12.2%	2,605,353	12.5%
65	3,756,110	5.1%	553,302	3.9%	1,122,279	5.1%	912,124	5.3%	1,168,405	5.6%
70	2,164,137	2.9%	339,921	2.4%	682,085	3.1%	557,479	3.3%	584,653	2.8%
Total	74,081,203	100%	14,330,084	100%	21,860,133	100%	17,055,104	100%	20,835,881	100%



**Regional VMT by Speed Bin - Cumulative Year 2040 Alternative B (Add GP)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	102,026	0.1%	22,060	0.2%	29,573	0.1%	20,288	0.1%	30,105	0.1%
10	606,540	0.8%	131,273	0.9%	176,564	0.8%	118,101	0.7%	180,602	0.9%
15	1,375,990	1.9%	290,477	2.0%	411,505	1.9%	274,559	1.6%	399,449	1.9%
20	7,603,059	10.3%	1,550,445	10.8%	2,279,075	10.4%	1,732,775	10.2%	2,040,764	9.8%
25	3,892,288	5.3%	818,159	5.7%	1,147,386	5.2%	866,452	5.1%	1,060,291	5.1%
30	5,436,200	7.3%	1,159,644	8.1%	1,602,113	7.3%	1,209,400	7.1%	1,465,043	7.0%
35	9,308,518	12.6%	1,925,474	13.4%	2,714,594	12.4%	2,118,766	12.4%	2,549,683	12.2%
40	8,040,482	10.9%	1,544,726	10.8%	2,340,535	10.7%	1,930,467	11.3%	2,224,755	10.7%
45	5,632,588	7.6%	1,064,121	7.4%	1,619,824	7.4%	1,367,606	8.0%	1,581,038	7.6%
50	5,601,815	7.6%	1,133,195	7.9%	1,627,733	7.4%	1,209,311	7.1%	1,631,577	7.8%
55	12,014,206	16.2%	2,299,399	16.0%	3,533,260	16.2%	2,740,219	16.1%	3,441,327	16.5%
60	9,209,613	12.4%	1,591,763	11.1%	2,778,194	12.7%	2,139,301	12.5%	2,700,355	13.0%
65	3,121,466	4.2%	471,563	3.3%	927,070	4.2%	775,446	4.5%	947,387	4.5%
70	2,160,154	2.9%	338,977	2.4%	681,649	3.1%	556,767	3.3%	582,761	2.8%
<b>Total</b>	<b>74,104,945</b>	<b>100%</b>	<b>14,341,275</b>	<b>100%</b>	<b>21,869,076</b>	<b>100%</b>	<b>17,059,458</b>	<b>100%</b>	<b>20,835,137</b>	<b>100%</b>

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 1 (No Build)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	15,292	0.4%	3,008	0.4%	4,598	0.4%	3,278	0.4%	4,408	0.4%
25	318,290	7.9%	62,340	8.1%	95,444	7.9%	68,065	7.5%	92,441	8.1%
30	70,114	1.7%	13,180	1.7%	21,322	1.8%	15,130	1.7%	20,483	1.8%
35	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	293,453	7.3%	53,583	7.0%	91,396	7.5%	67,358	7.4%	81,116	7.1%
45	511,574	12.7%	98,402	12.8%	151,859	12.5%	103,694	11.4%	157,619	13.8%
50	560,170	13.9%	110,936	14.4%	168,745	13.9%	118,640	13.1%	161,849	14.2%
55	933,008	23.2%	186,530	24.3%	278,633	23.0%	207,042	22.8%	260,804	22.9%
60	1,021,242	25.4%	186,081	24.2%	306,445	25.3%	247,241	27.3%	281,475	24.7%
65	303,237	7.5%	54,950	7.1%	92,117	7.6%	75,896	8.4%	80,274	7.0%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,026,381	100%	769,010	100%	1,210,557	100%	906,344	100%	1,140,469	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 2 (Add HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	5,913	0.1%	1,029	0.1%	1,640	0.1%	1,080	0.1%	2,164	0.2%
30	300,238	6.9%	62,976	7.6%	86,824	6.7%	67,146	6.6%	83,291	7.0%
35	15,898	0.4%	3,246	0.4%	4,630	0.4%	3,354	0.3%	4,667	0.4%
40	57,399	1.3%	11,374	1.4%	17,145	1.3%	12,640	1.2%	16,240	1.4%
45	251,668	5.8%	48,694	5.9%	73,788	5.7%	52,531	5.2%	76,655	6.4%
50	712,318	16.5%	144,028	17.4%	209,875	16.3%	163,739	16.2%	194,676	16.3%
55	981,692	22.7%	204,685	24.8%	291,710	22.6%	233,781	23.1%	251,515	21.0%
60	970,215	22.4%	196,053	23.8%	281,325	21.8%	240,962	23.8%	251,875	21.0%
65	1,029,178	23.8%	153,391	18.6%	322,176	25.0%	237,506	23.5%	316,105	26.4%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,324,520	100%	825,478	100%	1,289,113	100%	1,012,740	100%	1,197,189	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 3 (Add HOT)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	44,151	1.0%	8,428	1.0%	12,683	1.0%	9,180	0.9%	13,860	1.2%
30	15,721	0.4%	3,201	0.4%	4,558	0.4%	3,283	0.3%	4,678	0.4%
35	62,735	1.4%	13,284	1.6%	18,385	1.4%	14,614	1.4%	16,452	1.4%
40	251,307	5.8%	50,901	6.1%	72,821	5.7%	55,463	5.5%	72,122	6.0%
45	354,254	8.2%	72,266	8.7%	105,388	8.2%	77,653	7.7%	98,946	8.2%
50	347,720	8.0%	68,995	8.3%	101,701	7.9%	73,513	7.3%	103,511	8.6%
55	1,278,837	29.5%	260,796	31.4%	384,485	29.9%	305,695	30.2%	327,861	27.3%
60	1,232,299	28.5%	232,853	28.0%	368,219	28.6%	299,507	29.6%	331,720	27.7%
65	742,166	17.1%	120,004	14.4%	218,689	17.0%	172,945	17.1%	230,528	19.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,329,187	100%	830,728	100%	1,286,929	100%	1,011,853	100%	1,199,677	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 4 (Add HOT3+)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	31,847	0.7%	5,717	0.7%	9,171	0.7%	6,208	0.6%	10,751	0.9%
30	28,590	0.7%	5,927	0.7%	8,396	0.7%	6,555	0.7%	7,712	0.6%
35	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	154,194	3.6%	30,978	3.8%	45,461	3.6%	34,679	3.5%	43,077	3.6%
45	346,390	8.1%	69,829	8.5%	102,412	8.0%	78,578	8.0%	95,572	8.0%
50	519,816	12.2%	103,468	12.6%	152,241	11.9%	111,873	11.4%	152,234	12.8%
55	1,307,145	30.6%	263,872	32.1%	388,795	30.4%	323,408	33.0%	331,069	27.8%
60	1,267,087	29.7%	238,879	29.0%	381,914	29.9%	299,704	30.6%	346,589	29.1%
65	617,029	14.4%	104,638	12.7%	189,399	14.8%	119,552	12.2%	203,440	17.1%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,272,099	100%	823,309	100%	1,277,789	100%	980,557	100%	1,190,443	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 5 (Add Toll)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	31,917	0.8%	5,767	0.7%	9,291	0.7%	6,196	0.6%	10,664	0.9%
30	16,656	0.4%	3,275	0.4%	4,874	0.4%	3,489	0.4%	5,018	0.4%
35	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	76,475	1.8%	14,436	1.8%	22,225	1.7%	16,261	1.7%	23,554	2.0%
45	232,821	5.5%	46,377	5.6%	69,816	5.5%	52,444	5.4%	64,184	5.4%
50	701,109	16.5%	140,328	17.1%	207,175	16.2%	154,422	16.0%	199,183	16.8%
55	1,407,257	33.1%	282,162	34.3%	420,705	33.0%	345,773	35.8%	358,616	30.2%
60	1,229,542	28.9%	233,162	28.4%	372,667	29.2%	291,578	30.2%	332,134	27.9%
65	556,756	13.1%	96,257	11.7%	168,456	13.2%	96,621	10.0%	195,421	16.4%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,252,533	100%	821,765	100%	1,275,209	100%	966,784	100%	1,188,775	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 6 (Add Transit)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	333,557	8.3%	65,174	8.5%	100,237	8.3%	71,195	7.9%	96,952	8.5%
30	70,414	1.7%	13,203	1.7%	21,300	1.8%	15,094	1.7%	20,818	1.8%
35	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	293,165	7.3%	53,698	7.0%	91,264	7.5%	67,241	7.4%	80,961	7.1%
45	493,193	12.3%	94,744	12.3%	146,872	12.1%	100,281	11.1%	151,296	13.3%
50	578,373	14.4%	114,719	14.9%	174,266	14.4%	121,694	13.4%	167,694	14.7%
55	932,987	23.2%	186,453	24.2%	278,714	23.0%	206,771	22.8%	261,049	22.9%
60	1,020,346	25.3%	186,012	24.2%	307,077	25.3%	247,071	27.3%	280,186	24.6%
65	303,284	7.5%	55,248	7.2%	91,816	7.6%	75,970	8.4%	80,250	7.0%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,025,319	100%	769,250	100%	1,211,547	100%	905,317	100%	1,139,206	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 7 (Convert HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	218,521	5.6%	45,836	6.3%	65,506	5.4%	48,264	5.5%	58,915	5.3%
20	185,187	4.7%	35,779	4.9%	57,008	4.7%	43,540	4.9%	48,861	4.4%
25	38,555	1.0%	7,454	1.0%	11,931	1.0%	8,496	1.0%	10,675	1.0%
30	99,883	2.5%	20,703	2.9%	29,893	2.5%	21,874	2.5%	27,412	2.5%
35	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	148,369	3.8%	29,484	4.1%	45,050	3.7%	29,587	3.3%	44,249	4.0%
45	189,548	4.8%	35,286	4.9%	55,901	4.6%	38,810	4.4%	59,551	5.3%
50	457,043	11.6%	90,317	12.5%	139,519	11.6%	98,102	11.1%	129,105	11.5%
55	760,645	19.3%	160,074	22.1%	224,764	18.6%	174,431	19.7%	201,377	18.0%
60	724,780	18.4%	137,543	19.0%	217,079	18.0%	178,773	20.2%	191,385	17.1%
65	1,109,146	28.2%	160,651	22.2%	360,076	29.8%	241,593	27.3%	346,827	31.0%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	3,931,677	100%	723,126	100%	1,206,727	100%	883,468	100%	1,118,356	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 8 (Add HOV Ext)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	31,787	0.7%	5,653	0.7%	9,070	0.7%	6,185	0.6%	10,879	0.9%
30	276,775	6.4%	58,438	7.1%	79,364	6.2%	61,811	6.1%	77,162	6.4%
35	15,686	0.4%	3,247	0.4%	4,608	0.4%	3,344	0.3%	4,487	0.4%
40	31,852	0.7%	6,596	0.8%	9,450	0.7%	7,111	0.7%	8,695	0.7%
45	276,532	6.4%	53,347	6.5%	80,997	6.3%	57,987	5.7%	84,201	7.0%
50	679,415	15.7%	138,232	16.8%	203,423	15.8%	157,182	15.5%	180,579	15.1%
55	1,064,145	24.6%	226,756	27.5%	312,973	24.3%	250,394	24.8%	274,022	22.9%
60	889,827	20.6%	177,545	21.5%	259,780	20.2%	228,917	22.6%	223,585	18.7%
65	1,054,562	24.4%	154,971	18.8%	327,641	25.5%	238,113	23.6%	333,837	27.9%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,320,580	100%	824,785	100%	1,287,306	100%	1,011,043	100%	1,197,446	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative 9 (Add HOV no Ent)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	6,020	0.1%	1,038	0.1%	1,634	0.1%	1,079	0.1%	2,270	0.2%
30	315,462	7.3%	66,163	8.0%	90,889	7.1%	70,389	7.0%	88,020	7.4%
35	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	29,678	0.7%	6,143	0.7%	8,638	0.7%	6,588	0.7%	8,309	0.7%
45	279,337	6.5%	53,996	6.6%	81,847	6.4%	58,614	5.8%	84,880	7.1%
50	686,389	15.9%	140,056	17.0%	204,972	16.0%	158,795	15.7%	182,566	15.3%
55	990,876	23.0%	206,915	25.2%	294,410	23.0%	235,095	23.3%	254,456	21.3%
60	939,026	21.8%	191,492	23.3%	273,711	21.4%	234,088	23.2%	239,736	20.1%
65	1,060,754	24.6%	156,338	19.0%	325,471	25.4%	244,778	24.2%	334,166	28.0%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,307,541	100%	822,142	100%	1,281,572	100%	1,009,426	100%	1,194,401	100%

**Corridor VMT by Speed Bin - Cumulative Year 2040 Alternative B (Add GP)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25	31,493	0.7%	5,715	0.7%	9,125	0.7%	6,210	0.6%	10,442	0.9%
30	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
35	15,849	0.4%	3,265	0.4%	4,566	0.4%	3,374	0.3%	4,644	0.4%
40	28,495	0.7%	5,215	0.6%	8,065	0.6%	5,986	0.6%	9,229	0.8%
45	226,880	5.2%	44,087	5.3%	66,553	5.2%	46,193	4.5%	70,047	5.8%
50	915,637	21.0%	182,222	21.7%	267,509	20.8%	202,634	19.8%	263,272	21.8%
55	1,348,939	31.0%	257,545	30.7%	404,243	31.4%	318,854	31.1%	368,297	30.5%
60	1,366,881	31.4%	266,922	31.8%	403,024	31.3%	326,607	31.9%	370,328	30.7%
65	424,012	9.7%	74,474	8.9%	124,959	9.7%	113,987	11.1%	110,592	9.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<b>Total</b>	<b>4,358,186</b>	<b>100%</b>	<b>839,445</b>	<b>100%</b>	<b>1,288,044</b>	<b>100%</b>	<b>1,023,846</b>	<b>100%</b>	<b>1,206,851</b>	<b>100%</b>

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 1 (No Build)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	264,176	0.3%	57,758	0.4%	75,199	0.3%	52,811	0.3%	78,409	0.3%
10	1,858,259	2.2%	393,445	2.4%	543,883	2.2%	366,381	1.9%	554,550	2.3%
15	3,196,737	3.7%	679,194	4.1%	937,391	3.7%	641,002	3.3%	939,151	3.9%
20	11,738,367	13.8%	2,445,263	14.8%	3,468,638	13.9%	2,592,406	13.3%	3,232,060	13.3%
25	5,743,174	6.7%	1,233,715	7.5%	1,662,962	6.7%	1,275,171	6.5%	1,571,327	6.5%
30	7,231,772	8.5%	1,524,826	9.3%	2,110,146	8.4%	1,625,004	8.3%	1,971,797	8.1%
35	10,671,571	12.5%	2,150,518	13.1%	3,087,166	12.3%	2,467,486	12.7%	2,966,402	12.2%
40	8,589,477	10.1%	1,651,098	10.0%	2,449,109	9.8%	2,092,313	10.7%	2,396,957	9.9%
45	6,216,768	7.3%	1,146,563	7.0%	1,771,325	7.1%	1,520,886	7.8%	1,777,994	7.3%
50	6,449,994	7.6%	1,270,351	7.7%	1,882,185	7.5%	1,369,630	7.0%	1,927,828	7.9%
55	10,871,828	12.8%	1,932,885	11.7%	3,218,253	12.9%	2,490,608	12.8%	3,230,083	13.3%
60	7,379,694	8.7%	1,223,543	7.4%	2,237,536	8.9%	1,736,952	8.9%	2,181,663	9.0%
65	2,629,391	3.1%	384,245	2.3%	797,722	3.2%	633,096	3.2%	814,327	3.4%
70	2,408,163	2.8%	374,635	2.3%	760,944	3.0%	624,310	3.2%	648,274	2.7%
Total	85,249,373	100%	16,468,040	100%	25,002,458	100%	19,488,056	100%	24,290,819	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 2 (Add HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	155,805	0.2%	34,022	0.2%	45,101	0.2%	30,973	0.2%	45,708	0.2%
10	1,253,768	1.5%	266,564	1.7%	368,463	1.5%	245,154	1.3%	373,587	1.6%
15	2,212,282	2.7%	467,872	3.0%	655,860	2.7%	438,397	2.3%	650,154	2.8%
20	9,467,427	11.5%	1,955,718	12.4%	2,826,843	11.6%	2,120,828	11.3%	2,564,038	11.0%
25	5,755,406	7.0%	1,244,452	7.9%	1,685,305	6.9%	1,266,657	6.7%	1,558,992	6.7%
30	6,680,359	8.1%	1,415,494	9.0%	1,969,732	8.1%	1,477,718	7.8%	1,817,415	7.8%
35	10,416,240	12.7%	2,083,457	13.2%	3,052,433	12.5%	2,386,738	12.7%	2,893,612	12.4%
40	8,625,531	10.5%	1,629,669	10.3%	2,495,658	10.2%	2,096,099	11.1%	2,404,106	10.3%
45	6,335,155	7.7%	1,179,332	7.5%	1,831,436	7.5%	1,541,376	8.2%	1,783,012	7.7%
50	6,231,984	7.6%	1,267,419	8.0%	1,820,428	7.5%	1,311,041	7.0%	1,833,095	7.9%
55	11,165,551	13.6%	2,039,687	12.9%	3,333,018	13.7%	2,546,810	13.5%	3,246,036	14.0%
60	8,052,580	9.8%	1,344,545	8.5%	2,459,506	10.1%	1,882,084	10.0%	2,366,445	10.2%
65	3,517,453	4.3%	512,609	3.2%	1,063,334	4.4%	865,355	4.6%	1,076,155	4.6%
70	2,376,815	2.9%	368,890	2.3%	752,945	3.1%	615,645	3.3%	639,335	2.7%
Total	82,246,357	100%	15,809,731	100%	24,360,061	100%	18,824,874	100%	23,251,691	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 3 (Add HOT)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,641	0.2%	34,375	0.2%	45,143	0.2%	31,294	0.2%	45,828	0.2%
10	1,297,706	1.6%	275,852	1.7%	381,371	1.6%	254,019	1.3%	386,464	1.7%
15	2,346,783	2.8%	498,239	3.1%	694,925	2.9%	462,944	2.5%	690,675	3.0%
20	9,626,665	11.7%	1,997,560	12.6%	2,867,917	11.8%	2,151,722	11.4%	2,609,466	11.2%
25	5,375,681	6.5%	1,159,789	7.3%	1,572,990	6.5%	1,190,098	6.3%	1,452,804	6.2%
30	6,902,599	8.4%	1,460,411	9.2%	2,038,217	8.4%	1,524,397	8.1%	1,879,574	8.1%
35	10,497,713	12.7%	2,105,844	13.3%	3,069,856	12.6%	2,413,129	12.8%	2,908,884	12.5%
40	8,705,598	10.6%	1,652,542	10.4%	2,510,810	10.3%	2,106,806	11.2%	2,435,441	10.5%
45	6,220,219	7.6%	1,158,558	7.3%	1,797,755	7.4%	1,524,001	8.1%	1,739,905	7.5%
50	6,217,942	7.5%	1,263,339	8.0%	1,818,568	7.5%	1,308,403	6.9%	1,827,633	7.8%
55	11,356,195	13.8%	2,066,001	13.0%	3,389,797	13.9%	2,594,962	13.8%	3,305,435	14.2%
60	7,910,237	9.6%	1,319,146	8.3%	2,417,361	9.9%	1,840,610	9.8%	2,333,121	10.0%
65	3,385,694	4.1%	496,235	3.1%	1,017,008	4.2%	838,499	4.4%	1,033,952	4.4%
70	2,372,409	2.9%	368,275	2.3%	752,184	3.1%	614,114	3.3%	637,836	2.7%
Total	82,372,083	100%	15,856,166	100%	24,373,902	100%	18,854,998	100%	23,287,017	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 4 (Add HOT3+)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,741	0.2%	34,597	0.2%	45,070	0.2%	31,362	0.2%	45,712	0.2%
10	1,249,473	1.5%	265,603	1.7%	367,681	1.5%	243,281	1.3%	372,907	1.6%
15	2,248,560	2.7%	476,654	3.0%	665,065	2.7%	445,552	2.4%	661,288	2.8%
20	9,576,404	11.6%	1,981,367	12.5%	2,856,847	11.7%	2,138,801	11.4%	2,599,388	11.2%
25	5,569,446	6.8%	1,203,137	7.6%	1,630,589	6.7%	1,226,038	6.5%	1,509,682	6.5%
30	6,752,772	8.2%	1,429,888	9.0%	1,997,341	8.2%	1,490,199	7.9%	1,835,344	7.9%
35	10,493,772	12.8%	2,103,053	13.3%	3,076,182	12.6%	2,406,634	12.8%	2,907,903	12.5%
40	8,976,253	10.9%	1,704,535	10.8%	2,600,156	10.7%	2,164,096	11.5%	2,507,466	10.8%
45	6,045,960	7.4%	1,124,764	7.1%	1,752,010	7.2%	1,472,973	7.8%	1,696,213	7.3%
50	6,175,428	7.5%	1,259,629	8.0%	1,811,631	7.4%	1,297,259	6.9%	1,806,909	7.8%
55	11,202,723	13.6%	2,046,218	12.9%	3,348,518	13.7%	2,551,328	13.6%	3,256,659	14.0%
60	8,124,287	9.9%	1,354,028	8.6%	2,482,958	10.2%	1,893,098	10.1%	2,394,203	10.3%
65	3,284,216	4.0%	475,206	3.0%	970,068	4.0%	820,952	4.4%	1,017,990	4.4%
70	2,374,267	2.9%	368,199	2.3%	752,704	3.1%	614,653	3.3%	638,711	2.7%
Total	82,230,302	100%	15,826,879	100%	24,356,821	100%	18,796,226	100%	23,250,376	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 5 (Add Toll)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,020	0.2%	34,320	0.2%	44,959	0.2%	31,198	0.2%	45,542	0.2%
10	1,239,838	1.5%	263,577	1.7%	365,063	1.5%	241,709	1.3%	369,488	1.6%
15	2,237,047	2.7%	473,620	3.0%	663,463	2.7%	442,892	2.4%	657,072	2.8%
20	9,687,017	11.8%	2,007,759	12.7%	2,892,754	11.9%	2,158,930	11.5%	2,627,574	11.3%
25	5,401,596	6.6%	1,166,911	7.4%	1,583,119	6.5%	1,193,126	6.4%	1,458,440	6.3%
30	6,814,506	8.3%	1,442,048	9.1%	2,018,139	8.3%	1,501,605	8.0%	1,852,714	8.0%
35	10,657,792	13.0%	2,135,967	13.5%	3,132,928	12.9%	2,439,321	13.0%	2,949,576	12.7%
40	8,890,258	10.8%	1,685,139	10.7%	2,580,577	10.6%	2,140,720	11.4%	2,483,822	10.7%
45	6,265,326	7.6%	1,175,272	7.4%	1,826,292	7.5%	1,528,208	8.1%	1,735,554	7.5%
50	6,045,904	7.4%	1,239,013	7.8%	1,779,538	7.3%	1,255,481	6.7%	1,771,872	7.6%
55	11,169,676	13.6%	2,025,050	12.8%	3,335,607	13.7%	2,550,495	13.6%	3,258,524	14.0%
60	8,028,384	9.8%	1,338,643	8.5%	2,454,154	10.1%	1,874,737	10.0%	2,360,850	10.2%
65	3,221,608	3.9%	458,990	2.9%	937,468	3.8%	809,066	4.3%	1,016,084	4.4%
70	2,374,628	2.9%	368,549	2.3%	752,757	3.1%	614,724	3.3%	638,597	2.7%
Total	82,189,597	100%	15,814,860	100%	24,366,818	100%	18,782,212	100%	23,225,708	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 6 (Add Transit)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	157,435	0.2%	34,727	0.2%	45,225	0.2%	31,571	0.2%	45,912	0.2%
10	1,430,716	1.7%	303,739	1.9%	420,704	1.7%	279,041	1.5%	427,232	1.8%
15	2,694,866	3.3%	566,539	3.6%	797,995	3.3%	540,997	2.9%	789,334	3.4%
20	10,023,100	12.1%	2,081,773	13.1%	2,984,317	12.2%	2,231,192	11.8%	2,725,818	11.6%
25	6,072,340	7.3%	1,294,231	8.1%	1,779,088	7.3%	1,335,803	7.1%	1,663,217	7.1%
30	6,612,153	8.0%	1,408,796	8.9%	1,948,074	8.0%	1,469,910	7.8%	1,785,373	7.6%
35	10,722,645	13.0%	2,152,627	13.5%	3,129,991	12.8%	2,473,077	13.1%	2,966,949	12.7%
40	8,359,763	10.1%	1,577,429	9.9%	2,416,752	9.9%	2,029,036	10.7%	2,336,545	10.0%
45	6,234,872	7.5%	1,162,631	7.3%	1,801,280	7.4%	1,519,030	8.0%	1,751,930	7.5%
50	5,871,700	7.1%	1,176,154	7.4%	1,714,690	7.0%	1,229,913	6.5%	1,750,944	7.5%
55	11,179,531	13.5%	2,028,841	12.7%	3,335,784	13.6%	2,546,812	13.5%	3,268,094	14.0%
60	7,953,379	9.6%	1,323,545	8.3%	2,430,271	9.9%	1,854,981	9.8%	2,344,582	10.0%
65	2,943,863	3.6%	431,802	2.7%	886,899	3.6%	726,104	3.8%	899,060	3.8%
70	2,394,729	2.9%	371,768	2.3%	758,042	3.1%	621,365	3.3%	643,555	2.8%
Total	82,651,090	100%	15,914,601	100%	24,449,113	100%	18,888,832	100%	23,398,544	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 7 (Convert HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	159,313	0.2%	35,141	0.2%	45,763	0.2%	31,706	0.2%	46,703	0.2%
10	1,414,335	1.7%	299,664	1.9%	416,046	1.7%	276,455	1.5%	422,170	1.8%
15	2,435,016	3.0%	513,511	3.2%	724,308	3.0%	490,894	2.6%	706,303	3.0%
20	9,917,220	12.1%	2,051,168	13.0%	2,959,965	12.2%	2,208,629	11.8%	2,697,458	11.6%
25	5,585,873	6.8%	1,204,200	7.6%	1,630,730	6.7%	1,228,994	6.5%	1,521,948	6.5%
30	6,972,467	8.5%	1,483,115	9.4%	2,054,720	8.4%	1,536,261	8.2%	1,898,371	8.2%
35	10,405,500	12.7%	2,091,016	13.2%	3,041,232	12.5%	2,407,520	12.8%	2,865,733	12.3%
40	8,366,925	10.2%	1,580,115	10.0%	2,425,823	10.0%	2,020,783	10.8%	2,340,204	10.1%
45	6,003,637	7.3%	1,127,801	7.1%	1,728,081	7.1%	1,473,360	7.8%	1,674,395	7.2%
50	5,754,659	7.0%	1,156,535	7.3%	1,684,794	6.9%	1,204,050	6.4%	1,709,280	7.3%
55	11,280,845	13.7%	2,072,583	13.1%	3,371,286	13.8%	2,563,209	13.7%	3,273,768	14.1%
60	8,386,332	10.2%	1,373,750	8.7%	2,564,576	10.5%	1,955,687	10.4%	2,492,318	10.7%
65	3,115,149	3.8%	446,723	2.8%	942,780	3.9%	755,287	4.0%	970,359	4.2%
70	2,401,688	2.9%	374,486	2.4%	757,720	3.1%	623,273	3.3%	646,209	2.8%
Total	82,198,958	100%	15,809,808	100%	24,347,824	100%	18,776,108	100%	23,265,218	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 8 (Add HOV Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,685	0.2%	34,564	0.2%	45,003	0.2%	31,372	0.2%	45,747	0.2%
10	1,245,512	1.5%	264,654	1.7%	365,984	1.5%	242,812	1.3%	372,062	1.6%
15	2,235,578	2.7%	474,359	3.0%	661,029	2.7%	443,723	2.4%	656,467	2.8%
20	9,662,154	11.7%	2,001,997	12.6%	2,882,054	11.8%	2,157,296	11.5%	2,620,807	11.3%
25	5,800,315	7.0%	1,245,767	7.9%	1,698,266	7.0%	1,279,824	6.8%	1,576,458	6.8%
30	6,657,726	8.1%	1,414,241	8.9%	1,965,418	8.1%	1,471,707	7.8%	1,806,360	7.8%
35	10,486,952	12.7%	2,101,517	13.3%	3,066,959	12.6%	2,398,576	12.7%	2,919,899	12.5%
40	8,839,781	10.7%	1,684,153	10.6%	2,553,005	10.5%	2,146,140	11.4%	2,456,484	10.5%
45	6,042,136	7.3%	1,126,342	7.1%	1,750,211	7.2%	1,478,875	7.9%	1,686,707	7.2%
50	6,052,223	7.4%	1,218,666	7.7%	1,770,474	7.3%	1,273,137	6.8%	1,789,946	7.7%
55	11,187,001	13.6%	2,049,272	12.9%	3,336,483	13.7%	2,549,401	13.5%	3,251,845	14.0%
60	8,214,717	10.0%	1,371,867	8.7%	2,500,464	10.3%	1,922,727	10.2%	2,419,658	10.4%
65	3,383,235	4.1%	488,923	3.1%	1,023,865	4.2%	820,785	4.4%	1,049,662	4.5%
70	2,375,466	2.9%	368,382	2.3%	752,721	3.1%	615,568	3.3%	638,795	2.7%
Total	82,339,481	100%	15,844,705	100%	24,371,937	100%	18,831,942	100%	23,290,897	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 9 (Add HOV no Ent)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	159,722	0.2%	35,253	0.2%	46,076	0.2%	32,025	0.2%	46,368	0.2%
10	1,312,292	1.6%	278,733	1.8%	386,406	1.6%	256,676	1.4%	390,477	1.7%
15	2,223,384	2.7%	472,784	3.0%	657,457	2.7%	441,080	2.3%	652,062	2.8%
20	9,692,106	11.8%	2,008,093	12.7%	2,890,134	11.9%	2,161,048	11.5%	2,632,832	11.3%
25	5,755,056	7.0%	1,238,516	7.8%	1,684,179	6.9%	1,273,815	6.8%	1,558,547	6.7%
30	6,442,868	7.8%	1,370,198	8.7%	1,900,446	7.8%	1,429,203	7.6%	1,743,021	7.5%
35	10,364,879	12.6%	2,076,219	13.1%	3,036,315	12.5%	2,375,733	12.6%	2,876,612	12.4%
40	8,559,460	10.4%	1,624,625	10.3%	2,470,364	10.1%	2,082,921	11.1%	2,381,550	10.2%
45	6,546,662	8.0%	1,217,739	7.7%	1,895,190	7.8%	1,591,199	8.4%	1,842,535	7.9%
50	6,037,539	7.3%	1,223,924	7.7%	1,767,254	7.3%	1,266,576	6.7%	1,779,785	7.6%
55	11,177,418	13.6%	2,044,919	12.9%	3,338,809	13.7%	2,551,803	13.5%	3,241,887	13.9%
60	8,113,554	9.9%	1,350,368	8.5%	2,472,638	10.1%	1,894,291	10.1%	2,396,257	10.3%
65	3,571,408	4.3%	519,592	3.3%	1,078,536	4.4%	874,014	4.6%	1,099,266	4.7%
70	2,374,087	2.9%	368,693	2.3%	751,854	3.1%	614,999	3.3%	638,541	2.7%
Total	82,330,435	100%	15,829,656	100%	24,375,657	100%	18,845,384	100%	23,279,739	100%



**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 10 (Add GP)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	157,078	0.2%	34,654	0.2%	45,107	0.2%	31,466	0.2%	45,851	0.2%
10	1,379,498	1.7%	293,093	1.8%	404,915	1.7%	269,029	1.4%	412,460	1.8%
15	2,248,235	2.7%	476,450	3.0%	665,303	2.7%	448,059	2.4%	658,423	2.8%
20	9,733,174	11.8%	2,023,481	12.7%	2,899,978	11.9%	2,168,800	11.5%	2,640,915	11.3%
25	5,453,039	6.6%	1,175,286	7.4%	1,592,404	6.5%	1,209,070	6.4%	1,476,279	6.3%
30	6,883,557	8.3%	1,460,552	9.2%	2,030,037	8.3%	1,521,261	8.0%	1,871,707	8.0%
35	10,548,885	12.8%	2,115,704	13.3%	3,080,346	12.6%	2,426,162	12.8%	2,926,674	12.5%
40	8,469,884	10.2%	1,613,674	10.1%	2,436,517	10.0%	2,062,967	10.9%	2,356,726	10.1%
45	6,011,361	7.3%	1,111,118	7.0%	1,738,662	7.1%	1,469,654	7.8%	1,691,926	7.2%
50	6,710,276	8.1%	1,347,904	8.5%	1,962,093	8.0%	1,425,346	7.5%	1,974,932	8.5%
55	11,655,931	14.1%	2,121,136	13.3%	3,479,850	14.2%	2,656,805	14.0%	3,398,140	14.5%
60	7,994,420	9.7%	1,333,378	8.4%	2,442,750	10.0%	1,862,663	9.8%	2,355,629	10.1%
65	3,032,463	3.7%	445,089	2.8%	908,988	3.7%	757,825	4.0%	920,562	3.9%
70	2,372,453	2.9%	368,035	2.3%	752,275	3.1%	614,318	3.2%	637,826	2.7%
Total	82,650,254	100%	15,919,554	100%	24,439,225	100%	18,923,425	100%	23,368,050	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 11 (Add HOT Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,805	0.2%	34,575	0.2%	45,036	0.2%	31,415	0.2%	45,779	0.2%
10	1,287,946	1.6%	273,485	1.7%	378,932	1.6%	252,184	1.3%	383,345	1.6%
15	2,251,752	2.7%	476,240	3.0%	666,732	2.7%	445,515	2.4%	663,265	2.8%
20	9,745,046	11.8%	2,019,651	12.7%	2,906,067	11.9%	2,174,559	11.5%	2,644,768	11.4%
25	5,718,040	6.9%	1,232,926	7.8%	1,670,233	6.9%	1,265,637	6.7%	1,549,243	6.7%
30	6,664,196	8.1%	1,415,522	8.9%	1,968,153	8.1%	1,472,654	7.8%	1,807,867	7.8%
35	10,693,782	13.0%	2,142,314	13.5%	3,126,926	12.8%	2,447,793	13.0%	2,976,749	12.8%
40	8,717,227	10.6%	1,664,906	10.5%	2,511,794	10.3%	2,118,149	11.2%	2,422,378	10.4%
45	5,971,862	7.3%	1,108,402	7.0%	1,724,941	7.1%	1,464,105	7.8%	1,674,414	7.2%
50	5,888,861	7.1%	1,186,084	7.5%	1,722,177	7.1%	1,239,963	6.6%	1,740,637	7.5%
55	11,481,521	13.9%	2,098,814	13.2%	3,425,454	14.1%	2,618,788	13.9%	3,338,465	14.3%
60	8,059,309	9.8%	1,344,921	8.5%	2,461,606	10.1%	1,888,494	10.0%	2,364,288	10.2%
65	3,360,904	4.1%	488,975	3.1%	1,014,228	4.2%	822,145	4.4%	1,035,557	4.4%
70	2,372,217	2.9%	368,246	2.3%	751,598	3.1%	614,618	3.3%	637,755	2.7%
Total	82,369,468	100%	15,855,061	100%	24,373,878	100%	18,856,020	100%	23,284,510	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 12 (Add HOT3+ Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,537	0.2%	34,511	0.2%	45,005	0.2%	31,318	0.2%	45,703	0.2%
10	1,285,770	1.6%	272,979	1.7%	378,666	1.6%	251,404	1.3%	382,720	1.6%
15	2,247,949	2.7%	475,359	3.0%	666,265	2.7%	444,140	2.4%	662,185	2.8%
20	9,728,373	11.8%	2,015,912	12.7%	2,904,031	11.9%	2,167,820	11.5%	2,640,610	11.4%
25	5,708,146	6.9%	1,230,617	7.8%	1,669,063	6.9%	1,261,693	6.7%	1,546,772	6.7%
30	6,652,728	8.1%	1,412,878	8.9%	1,966,773	8.1%	1,468,072	7.8%	1,805,005	7.8%
35	10,675,289	13.0%	2,138,317	13.5%	3,124,735	12.8%	2,440,148	13.0%	2,972,089	12.8%
40	8,701,932	10.6%	1,661,800	10.5%	2,510,034	10.3%	2,111,478	11.2%	2,418,620	10.4%
45	5,961,376	7.2%	1,106,341	7.0%	1,723,732	7.1%	1,459,493	7.8%	1,671,809	7.2%
50	5,878,765	7.1%	1,183,873	7.5%	1,720,970	7.1%	1,236,104	6.6%	1,737,818	7.5%
55	11,461,941	13.9%	2,094,984	13.2%	3,423,053	14.1%	2,610,653	13.9%	3,333,251	14.3%
60	8,045,637	9.8%	1,342,496	8.5%	2,459,881	10.1%	1,882,635	10.0%	2,360,625	10.2%
65	3,355,132	4.1%	488,102	3.1%	1,013,517	4.2%	819,589	4.4%	1,033,925	4.4%
70	2,368,117	2.9%	367,607	2.3%	751,071	3.1%	612,696	3.3%	636,743	2.7%
Total	82,227,691	100%	15,825,777	100%	24,356,797	100%	18,797,243	100%	23,247,874	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 13 (Add Toll Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,458	0.2%	34,485	0.2%	45,023	0.2%	31,294	0.2%	45,656	0.2%
10	1,285,130	1.6%	272,772	1.7%	378,822	1.6%	251,213	1.3%	382,323	1.6%
15	2,246,835	2.7%	474,998	3.0%	666,539	2.7%	443,800	2.4%	661,498	2.8%
20	9,723,576	11.8%	2,014,361	12.7%	2,905,223	11.9%	2,166,185	11.5%	2,637,807	11.4%
25	5,705,312	6.9%	1,229,666	7.8%	1,669,748	6.9%	1,260,753	6.7%	1,545,145	6.7%
30	6,649,440	8.1%	1,411,787	8.9%	1,967,581	8.1%	1,466,975	7.8%	1,803,097	7.8%
35	10,669,955	13.0%	2,136,672	13.5%	3,126,017	12.8%	2,438,341	13.0%	2,968,925	12.8%
40	8,697,565	10.6%	1,660,523	10.5%	2,511,064	10.3%	2,109,947	11.2%	2,416,031	10.4%
45	5,958,396	7.2%	1,105,502	7.0%	1,724,440	7.1%	1,458,431	7.8%	1,670,023	7.2%
50	5,875,835	7.1%	1,182,972	7.5%	1,721,677	7.1%	1,235,178	6.6%	1,736,009	7.5%
55	11,456,273	13.9%	2,093,426	13.2%	3,424,458	14.1%	2,608,691	13.9%	3,329,698	14.3%
60	8,041,707	9.8%	1,341,504	8.5%	2,460,891	10.1%	1,881,216	10.0%	2,358,096	10.2%
65	3,353,479	4.1%	487,744	3.1%	1,013,933	4.2%	818,973	4.4%	1,032,829	4.4%
70	2,367,031	2.9%	367,348	2.3%	751,379	3.1%	612,233	3.3%	636,071	2.7%
Total	82,186,990	100%	15,813,759	100%	24,366,794	100%	18,783,229	100%	23,223,208	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 14 (Add Transit Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	157,435	0.2%	34,727	0.2%	45,225	0.2%	31,571	0.2%	45,912	0.2%
10	1,430,716	1.7%	303,739	1.9%	420,704	1.7%	279,041	1.5%	427,232	1.8%
15	2,694,866	3.3%	566,539	3.6%	797,995	3.3%	540,997	2.9%	789,334	3.4%
20	10,023,100	12.1%	2,081,773	13.1%	2,984,317	12.2%	2,231,192	11.8%	2,725,818	11.6%
25	6,072,340	7.3%	1,294,231	8.1%	1,779,088	7.3%	1,335,803	7.1%	1,663,217	7.1%
30	6,612,153	8.0%	1,408,796	8.9%	1,948,074	8.0%	1,469,910	7.8%	1,785,373	7.6%
35	10,722,645	13.0%	2,152,627	13.5%	3,129,991	12.8%	2,473,077	13.1%	2,966,949	12.7%
40	8,359,763	10.1%	1,577,429	9.9%	2,416,752	9.9%	2,029,036	10.7%	2,336,545	10.0%
45	6,234,872	7.5%	1,162,631	7.3%	1,801,280	7.4%	1,519,030	8.0%	1,751,930	7.5%
50	5,871,700	7.1%	1,176,154	7.4%	1,714,690	7.0%	1,229,913	6.5%	1,750,944	7.5%
55	11,179,531	13.5%	2,028,841	12.7%	3,335,784	13.6%	2,546,812	13.5%	3,268,094	14.0%
60	7,953,379	9.6%	1,323,545	8.3%	2,430,271	9.9%	1,854,981	9.8%	2,344,582	10.0%
65	2,943,863	3.6%	431,802	2.7%	886,899	3.6%	726,104	3.8%	899,060	3.8%
70	2,394,729	2.9%	371,768	2.3%	758,042	3.1%	621,365	3.3%	643,555	2.8%
Total	82,651,090	100%	15,914,601	100%	24,449,113	100%	18,888,832	100%	23,398,544	100%

**Regional VMT by Speed Bin - Horizon Year 2049 Alternative 15 (Convert HOV Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	156,608	0.2%	34,564	0.2%	44,980	0.2%	31,291	0.2%	45,774	0.2%
10	1,244,923	1.5%	264,656	1.7%	365,800	1.5%	242,182	1.3%	372,284	1.6%
15	2,234,491	2.7%	474,364	3.0%	660,697	2.7%	442,573	2.4%	656,857	2.8%
20	9,656,696	11.7%	2,002,054	12.6%	2,880,606	11.8%	2,151,705	11.5%	2,622,331	11.3%
25	5,797,119	7.0%	1,245,815	7.9%	1,697,413	7.0%	1,276,508	6.8%	1,577,383	6.8%
30	6,654,031	8.1%	1,414,292	8.9%	1,964,431	8.1%	1,467,894	7.8%	1,807,415	7.8%
35	10,480,958	12.7%	2,101,582	13.3%	3,065,418	12.6%	2,392,363	12.7%	2,921,595	12.5%
40	8,834,406	10.7%	1,684,200	10.6%	2,551,722	10.5%	2,140,584	11.4%	2,457,900	10.5%
45	6,038,411	7.3%	1,126,350	7.1%	1,749,332	7.2%	1,475,047	7.9%	1,687,682	7.2%
50	6,049,110	7.4%	1,218,681	7.7%	1,769,585	7.3%	1,269,839	6.8%	1,791,006	7.7%
55	11,180,535	13.6%	2,049,202	12.9%	3,334,807	13.7%	2,542,795	13.5%	3,253,731	14.0%
60	8,209,809	10.0%	1,371,801	8.7%	2,499,208	10.3%	1,917,745	10.2%	2,421,055	10.4%
65	3,381,172	4.1%	488,893	3.1%	1,023,351	4.2%	818,659	4.4%	1,050,270	4.5%
70	2,373,819	2.9%	368,332	2.3%	752,343	3.1%	613,976	3.3%	639,168	2.7%
Total	82,292,090	100%	15,844,786	100%	24,359,693	100%	18,783,159	100%	23,304,451	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 1 (No Build)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	416,974	9.3%	80,701	9.4%	124,010	9.3%	89,302	8.9%	122,960	9.5%
20	467,463	10.4%	92,172	10.7%	139,966	10.5%	102,966	10.3%	132,358	10.2%
25	17,529	0.4%	3,490	0.4%	5,139	0.4%	3,595	0.4%	5,305	0.4%
30	51,217	1.1%	10,432	1.2%	15,056	1.1%	10,915	1.1%	14,814	1.1%
35	410,360	9.1%	77,144	9.0%	121,473	9.1%	81,180	8.1%	130,562	10.1%
40	343,876	7.6%	63,131	7.4%	103,260	7.7%	73,328	7.3%	104,156	8.0%
45	196,862	4.4%	37,226	4.3%	58,536	4.4%	42,135	4.2%	58,965	4.5%
50	661,440	14.7%	133,164	15.5%	192,720	14.4%	139,049	13.9%	196,506	15.1%
55	737,424	16.4%	144,151	16.8%	217,070	16.2%	167,693	16.7%	208,511	16.1%
60	883,556	19.7%	160,266	18.7%	266,388	19.9%	213,601	21.3%	243,301	18.7%
65	308,973	6.9%	55,810	6.5%	93,761	7.0%	78,250	7.8%	81,152	6.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,495,673	100%	857,689	100%	1,337,380	100%	1,002,014	100%	1,298,590	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 2 (Add HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	72,849	1.6%	14,313	1.6%	21,066	1.5%	15,492	1.4%	21,977	1.7%
25	268,507	5.7%	56,188	6.3%	79,316	5.7%	59,774	5.5%	73,229	5.6%
30	53,221	1.1%	10,756	1.2%	16,029	1.1%	12,371	1.1%	14,064	1.1%
35	228,842	4.9%	43,849	4.9%	66,992	4.8%	46,428	4.3%	71,574	5.5%
40	265,807	5.7%	50,350	5.6%	81,626	5.8%	63,812	5.9%	70,019	5.4%
45	331,078	7.1%	66,792	7.4%	98,278	7.0%	70,679	6.5%	95,330	7.3%
50	695,311	14.8%	143,200	16.0%	204,863	14.7%	154,042	14.1%	193,205	14.9%
55	812,830	17.4%	175,382	19.5%	237,715	17.0%	189,517	17.4%	210,216	16.2%
60	1,060,533	22.6%	198,823	22.1%	317,051	22.7%	259,317	23.8%	285,342	22.0%
65	894,154	19.1%	138,037	15.4%	273,893	19.6%	218,170	20.0%	264,053	20.3%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,683,131	100%	897,689	100%	1,396,828	100%	1,089,603	100%	1,299,011	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 3 (Add HOT)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	33,717	0.7%	6,042	0.7%	9,528	0.7%	6,553	0.6%	11,594	0.9%
25	82,642	1.8%	17,028	1.9%	24,820	1.8%	18,350	1.7%	22,444	1.7%
30	139,152	3.0%	28,519	3.2%	41,764	3.0%	31,530	2.9%	37,340	2.9%
35	409,693	8.7%	80,168	8.9%	120,381	8.6%	89,232	8.2%	119,912	9.2%
40	73,564	1.6%	14,504	1.6%	21,169	1.5%	14,627	1.3%	23,264	1.8%
45	507,090	10.8%	100,638	11.2%	151,805	10.9%	113,938	10.4%	140,709	10.8%
50	790,353	16.8%	160,879	17.8%	235,319	16.8%	174,172	16.0%	219,982	16.9%
55	848,265	18.1%	180,883	20.1%	250,088	17.9%	197,925	18.1%	219,369	16.9%
60	1,016,102	21.7%	188,430	20.9%	305,230	21.8%	248,181	22.8%	274,261	21.1%
65	791,402	16.9%	124,913	13.8%	237,401	17.0%	196,119	18.0%	232,968	17.9%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,691,980	100%	902,004	100%	1,397,504	100%	1,090,628	100%	1,301,844	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 4 (HOT3+)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	47,970	1.0%	9,001	1.0%	13,958	1.0%	9,758	0.9%	15,253	1.2%
25	58,670	1.3%	11,736	1.3%	18,031	1.3%	12,501	1.2%	16,400	1.3%
30	106,494	2.3%	21,352	2.4%	33,479	2.4%	23,403	2.2%	28,260	2.2%
35	478,891	10.3%	94,065	10.6%	146,719	10.6%	100,455	9.3%	137,653	10.6%
40	297,223	6.4%	57,399	6.4%	92,557	6.7%	64,773	6.0%	82,493	6.4%
45	276,971	6.0%	55,629	6.2%	84,169	6.1%	58,531	5.4%	78,642	6.1%
50	860,008	18.5%	177,955	20.0%	259,850	18.8%	187,648	17.4%	234,555	18.1%
55	866,340	18.7%	181,379	20.4%	255,258	18.5%	203,116	18.8%	226,588	17.5%
60	930,029	20.0%	174,772	19.6%	281,227	20.3%	228,503	21.2%	245,527	19.0%
65	720,292	15.5%	107,398	12.1%	196,730	14.2%	188,972	17.5%	227,192	17.6%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,642,888	100%	890,687	100%	1,381,979	100%	1,077,660	100%	1,292,562	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 5 (Add Toll)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	49,086	1.1%	9,139	1.0%	14,617	1.1%	9,796	0.9%	15,534	1.2%
25	35,968	0.8%	7,283	0.8%	11,197	0.8%	7,722	0.7%	9,767	0.8%
30	133,935	2.9%	26,689	3.0%	42,692	3.1%	28,371	2.7%	36,183	2.8%
35	480,054	10.4%	94,124	10.7%	150,566	11.0%	99,661	9.3%	135,702	10.5%
40	290,147	6.3%	55,573	6.3%	89,993	6.6%	61,852	5.8%	82,728	6.4%
45	548,992	11.9%	112,292	12.8%	174,398	12.8%	117,938	11.1%	144,364	11.2%
50	785,847	17.1%	163,814	18.6%	239,391	17.6%	168,910	15.8%	213,732	16.6%
55	700,725	15.2%	145,524	16.5%	202,331	14.8%	167,500	15.7%	185,370	14.4%
60	934,909	20.3%	177,127	20.1%	279,485	20.5%	230,828	21.6%	247,470	19.2%
65	639,343	13.9%	89,010	10.1%	158,374	11.6%	173,673	16.3%	218,285	16.9%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,599,005	100%	880,575	100%	1,363,045	100%	1,066,250	100%	1,289,135	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 6 (Add Transit)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	405,278	9.2%	78,447	9.4%	121,730	9.3%	86,355	8.8%	118,746	9.4%
20	33,698	0.8%	6,068	0.7%	9,535	0.7%	6,503	0.7%	11,592	0.9%
25	418,822	9.6%	82,646	9.9%	127,286	9.7%	93,029	9.5%	115,860	9.2%
30	17,233	0.4%	3,427	0.4%	5,006	0.4%	3,501	0.4%	5,298	0.4%
35	415,071	9.5%	78,914	9.5%	123,450	9.4%	82,436	8.4%	130,270	10.4%
40	70,494	1.6%	13,812	1.7%	21,214	1.6%	14,607	1.5%	20,860	1.7%
45	383,843	8.8%	70,997	8.5%	116,306	8.9%	81,856	8.4%	114,684	9.1%
50	537,704	12.3%	105,700	12.7%	159,291	12.1%	111,546	11.4%	161,167	12.8%
55	791,791	18.1%	158,810	19.0%	234,283	17.8%	178,345	18.3%	220,353	17.5%
60	1,005,421	22.9%	181,520	21.7%	303,146	23.1%	241,697	24.7%	279,057	22.2%
65	302,286	6.9%	54,432	6.5%	92,102	7.0%	76,818	7.9%	78,934	6.3%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,381,640	100%	834,773	100%	1,313,351	100%	976,695	100%	1,256,822	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 7 (Convert HOV)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	35,182	0.8%	7,186	0.9%	10,257	0.8%	7,586	0.8%	10,153	0.8%
15	290,866	6.8%	59,256	7.5%	89,640	6.9%	64,872	6.8%	77,098	6.3%
20	170,594	4.0%	32,966	4.2%	52,842	4.1%	39,444	4.1%	45,342	3.7%
25	80,088	1.9%	16,516	2.1%	23,198	1.8%	17,047	1.8%	23,327	1.9%
30	124,331	2.9%	28,647	3.6%	35,706	2.7%	25,713	2.7%	34,265	2.8%
35	15,981	0.4%	3,706	0.5%	4,973	0.4%	3,432	0.4%	3,870	0.3%
40	330,189	7.7%	63,763	8.0%	99,911	7.7%	66,589	7.0%	99,925	8.2%
45	167,071	3.9%	32,489	4.1%	49,693	3.8%	36,231	3.8%	48,658	4.0%
50	477,489	11.2%	93,593	11.8%	142,861	11.0%	102,621	10.7%	138,415	11.3%
55	711,895	16.6%	146,028	18.4%	213,089	16.4%	162,635	17.0%	190,143	15.5%
60	1,363,515	31.9%	232,419	29.3%	419,790	32.3%	314,105	32.8%	397,202	32.4%
65	509,630	11.9%	76,130	9.6%	159,603	12.3%	116,389	12.2%	157,508	12.8%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,276,831	100%	792,700	100%	1,301,563	100%	956,662	100%	1,225,905	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 8 (Add HOV Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	72,803	1.6%	14,301	1.6%	21,017	1.5%	15,462	1.4%	22,023	1.7%
25	278,969	6.0%	58,897	6.6%	82,658	5.9%	62,206	5.7%	75,209	5.8%
30	45,211	1.0%	9,169	1.0%	13,739	1.0%	10,346	1.0%	11,957	0.9%
35	227,455	4.9%	44,065	4.9%	66,402	4.8%	46,526	4.3%	70,462	5.4%
40	373,490	8.0%	77,986	8.7%	110,876	7.9%	86,957	8.0%	97,672	7.5%
45	293,918	6.3%	60,027	6.7%	89,240	6.4%	63,858	5.9%	80,793	6.2%
50	583,040	12.4%	114,677	12.8%	174,846	12.5%	129,763	11.9%	163,754	12.6%
55	855,407	18.3%	187,548	20.9%	248,264	17.8%	200,504	18.4%	219,091	16.8%
60	1,150,421	24.6%	211,537	23.6%	341,942	24.5%	285,968	26.3%	310,974	23.9%
65	802,985	17.1%	119,869	13.3%	247,090	17.7%	186,032	17.1%	249,994	19.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,683,699	100%	898,075	100%	1,396,072	100%	1,087,622	100%	1,301,930	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 9 (Add HOV no Ent)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	73,344	1.6%	14,326	1.6%	21,141	1.5%	15,502	1.4%	22,375	1.7%
25	267,782	5.7%	55,998	6.3%	77,638	5.6%	59,642	5.5%	74,503	5.8%
30	11,902	0.3%	2,571	0.3%	3,604	0.3%	2,779	0.3%	2,948	0.2%
35	207,340	4.4%	40,094	4.5%	61,179	4.4%	43,473	4.0%	62,594	4.8%
40	138,661	3.0%	26,709	3.0%	42,184	3.0%	31,316	2.9%	38,451	3.0%
45	501,541	10.8%	99,214	11.1%	150,910	10.9%	112,706	10.4%	138,711	10.7%
50	684,084	14.7%	141,117	15.8%	202,128	14.5%	148,745	13.7%	192,094	14.8%
55	849,447	18.2%	183,738	20.6%	249,229	17.9%	201,287	18.5%	215,194	16.6%
60	979,382	21.0%	182,571	20.5%	294,753	21.2%	240,323	22.1%	261,735	20.2%
65	948,971	20.4%	144,974	16.3%	287,192	20.7%	229,796	21.2%	287,009	22.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,662,452	100%	891,311	100%	1,389,957	100%	1,085,569	100%	1,295,614	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 10 (Add GP)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	34,008	0.7%	6,109	0.7%	9,596	0.7%	6,598	0.6%	11,705	0.9%
25	29,653	0.6%	6,151	0.7%	8,718	0.6%	6,517	0.6%	8,268	0.6%
30	104,048	2.2%	20,184	2.2%	30,966	2.2%	23,507	2.1%	29,390	2.2%
35	542,500	11.5%	107,609	11.8%	159,447	11.4%	117,431	10.7%	158,013	12.0%
40	37,733	0.8%	6,827	0.7%	10,591	0.8%	7,510	0.7%	12,806	1.0%
45	144,657	3.1%	27,353	3.0%	41,734	3.0%	30,983	2.8%	44,586	3.4%
50	1,037,095	21.9%	207,560	22.7%	305,597	21.8%	230,157	20.9%	293,781	22.3%
55	1,385,926	29.3%	277,798	30.4%	411,566	29.4%	316,804	28.8%	379,758	28.9%
60	1,023,888	21.7%	187,249	20.5%	306,885	21.9%	253,938	23.1%	275,816	21.0%
65	388,131	8.2%	67,553	7.4%	114,237	8.2%	105,805	9.6%	100,535	7.6%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,727,639	100%	914,394	100%	1,399,339	100%	1,099,248	100%	1,314,657	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 11 (Add HOT Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	73,882	1.6%	14,341	1.6%	21,772	1.6%	15,466	1.4%	22,303	1.7%
25	279,617	6.0%	59,145	6.6%	81,458	5.8%	62,797	5.8%	76,217	5.9%
30	77,044	1.6%	14,907	1.7%	23,127	1.7%	16,621	1.5%	22,389	1.7%
35	271,936	5.8%	52,782	5.9%	80,482	5.8%	58,672	5.4%	80,000	6.1%
40	321,909	6.9%	67,821	7.5%	94,467	6.8%	73,823	6.8%	85,798	6.6%
45	278,507	5.9%	56,162	6.2%	81,853	5.9%	59,298	5.4%	81,194	6.2%
50	576,298	12.3%	113,282	12.6%	172,684	12.4%	127,724	11.7%	162,609	12.5%
55	877,353	18.7%	189,645	21.1%	256,183	18.3%	203,745	18.7%	227,780	17.5%
60	1,150,477	24.5%	211,933	23.5%	344,763	24.7%	286,948	26.3%	306,832	23.6%
65	784,364	16.7%	120,245	13.4%	240,947	17.2%	186,479	17.1%	236,692	18.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,691,387	100%	900,264	100%	1,397,735	100%	1,091,573	100%	1,301,815	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 12 (Add HOT3+ Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	73,093	1.6%	14,171	1.6%	21,491	1.6%	15,285	1.4%	22,146	1.7%
25	276,601	6.0%	58,433	6.6%	80,438	5.8%	62,060	5.8%	75,671	5.9%
30	76,245	1.6%	14,717	1.7%	22,873	1.7%	16,423	1.5%	22,232	1.7%
35	269,157	5.8%	52,092	5.9%	79,671	5.8%	57,968	5.4%	79,425	6.1%
40	318,567	6.9%	66,943	7.5%	93,500	6.8%	72,940	6.8%	85,184	6.6%
45	275,555	5.9%	55,476	6.2%	80,865	5.9%	58,598	5.4%	80,615	6.2%
50	570,276	12.3%	111,853	12.6%	170,768	12.4%	126,206	11.7%	161,449	12.5%
55	868,013	18.7%	187,287	21.1%	253,249	18.3%	201,332	18.7%	226,146	17.5%
60	1,138,360	24.5%	209,262	23.5%	340,951	24.7%	283,528	26.3%	304,619	23.6%
65	776,437	16.7%	118,737	13.4%	238,402	17.2%	184,253	17.1%	235,045	18.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,642,304	100%	888,969	100%	1,382,208	100%	1,078,594	100%	1,292,532	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 13 (Add Toll Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	72,428	1.6%	14,034	1.6%	21,197	1.6%	15,101	1.4%	22,096	1.7%
25	273,999	6.0%	57,846	6.6%	79,338	5.8%	61,332	5.7%	75,483	5.9%
30	75,532	1.6%	14,546	1.7%	22,559	1.7%	16,251	1.5%	22,175	1.7%
35	266,612	5.8%	51,437	5.9%	78,578	5.8%	57,400	5.4%	79,197	6.1%
40	315,521	6.9%	66,144	7.5%	92,218	6.8%	72,215	6.8%	84,944	6.6%
45	272,993	5.9%	54,887	6.2%	79,759	5.9%	57,933	5.4%	80,414	6.2%
50	564,897	12.3%	110,579	12.6%	168,428	12.4%	124,868	11.7%	161,021	12.5%
55	859,713	18.7%	185,245	21.1%	249,781	18.3%	199,143	18.7%	225,544	17.5%
60	1,127,436	24.5%	206,830	23.5%	336,280	24.7%	280,551	26.3%	303,775	23.6%
65	769,288	16.7%	117,320	13.3%	235,133	17.2%	182,379	17.1%	234,456	18.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,598,419	100%	878,869	100%	1,363,271	100%	1,067,174	100%	1,289,105	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 14 (Add Transit Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	405,278	9.2%	78,447	9.4%	121,730	9.3%	86,355	8.8%	118,746	9.4%
20	33,698	0.8%	6,068	0.7%	9,535	0.7%	6,503	0.7%	11,592	0.9%
25	418,822	9.6%	82,646	9.9%	127,286	9.7%	93,029	9.5%	115,860	9.2%
30	17,233	0.4%	3,427	0.4%	5,006	0.4%	3,501	0.4%	5,298	0.4%
35	415,071	9.5%	78,914	9.5%	123,450	9.4%	82,436	8.4%	130,270	10.4%
40	70,494	1.6%	13,812	1.7%	21,214	1.6%	14,607	1.5%	20,860	1.7%
45	383,843	8.8%	70,997	8.5%	116,306	8.9%	81,856	8.4%	114,684	9.1%
50	537,704	12.3%	105,700	12.7%	159,291	12.1%	111,546	11.4%	161,167	12.8%
55	791,791	18.1%	158,810	19.0%	234,283	17.8%	178,345	18.3%	220,353	17.5%
60	1,005,421	22.9%	181,520	21.7%	303,146	23.1%	241,697	24.7%	279,057	22.2%
65	302,286	6.9%	54,432	6.5%	92,102	7.0%	76,818	7.9%	78,934	6.3%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,381,640	100%	834,773	100%	1,313,351	100%	976,695	100%	1,256,822	100%

**Corridor VMT by Speed Bin - Horizon Year 2049 Alternative 15 (Convert HOV Med)**

Speed Bin (mph)	Daily		AM Peak Period		Midday		PM Peak Period		Evening/Night	
	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %	VMT	VMT %
< 5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20	66,537	1.6%	12,502	1.6%	19,633	1.5%	13,628	1.4%	20,774	1.7%
25	254,482	5.9%	51,592	6.5%	77,173	5.9%	54,779	5.7%	70,938	5.8%
30	41,283	1.0%	8,161	1.0%	12,776	1.0%	9,058	0.9%	11,289	0.9%
35	208,193	4.9%	39,034	4.9%	61,835	4.8%	40,817	4.3%	66,507	5.4%
40	340,699	8.0%	69,099	8.7%	103,186	7.9%	76,213	8.0%	92,200	7.5%
45	268,436	6.3%	52,851	6.7%	83,223	6.4%	56,137	5.9%	76,224	6.2%
50	532,656	12.5%	101,251	12.8%	162,921	12.5%	113,944	11.9%	154,540	12.6%
55	779,567	18.2%	165,230	20.8%	231,433	17.8%	176,161	18.4%	206,742	16.8%
60	1,050,076	24.5%	186,997	23.6%	318,592	24.5%	251,011	26.3%	293,476	23.9%
65	735,560	17.2%	106,340	13.4%	230,085	17.7%	163,163	17.1%	235,971	19.2%
70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,277,489	100%	793,057	100%	1,300,859	100%	954,911	100%	1,228,662	100%



Scenario/ Analysis Year	Direction	Location	Opening Year 2029			Cumulative Year 2040			Horizon Year 2049		
			Peak Hour	Off	Peak	Peak Hour	Off	Peak	Peak Hour	Off	Peak
			AM	PM	Peak	AM	PM	Peak	AM	PM	Peak
Base Year 2016	Eastbound	I-80: Enterprise Blvd to US 50	61.7	58.1	57.5	n/a	57.5	61.7	58.1	57.5	
		US 50: I-80 to Harbor Blvd	48.9	26.5	57.1		57.1	48.9	26.5	57.1	
		I-80: US 50 to Reed Ave	62.1	42.7	60.9		60.9	62.1	42.7	60.9	
	Westbound	I-80: US 50 to W Capitol Ave	17.7	61.2	56.8		56.8	17.7	61.2	56.8	
		US 50: Harbor Blvd to I-80	55.9	58.7	57.2		57.2	55.9	58.7	57.2	
		I-80: Reed Ave to US 50	57.7	54.3	60.8		60.8	57.7	54.3	60.8	
Alternative 1 (No Build)	Eastbound	I-80: Enterprise Blvd to US 50	60.9	55.0	57.1	n/a	57.0	60.2	8.5	56.3	
		US 50: I-80 to Harbor Blvd	62.5	35.6	56.7		56.6	53.6	10.9	55.7	
		I-80: US 50 to Reed Ave	61.9	61.2	60.6		60.4	60.9	47.8	59.6	
	Westbound	I-80: US 50 to W Capitol Ave	10.4	63.4	57.1		57.0	10.2	60.5	56.3	
		US 50: Harbor Blvd to I-80	9.5	62.6	56.1		55.9	9.5	40.5	55.0	
		I-80: Reed Ave to US 50	14.0	58.6	60.5		60.1	19.8	32.0	59.3	
Alternative 2 (Add HOV)	Eastbound	I-80: Enterprise Blvd to US 50	61.5	25.0	57.9	n/a	57.4	60.9	27.3	57.3	
		US 50: I-80 to Harbor Blvd	62.2	17.0	58.2		58.0	61.7	16.3	57.5	
		I-80: US 50 to Reed Ave	60.7	48.2	61.7		61.5	59.7	44.5	61.1	
	Westbound	I-80: US 50 to W Capitol Ave	44.3	61.2	58.5		58.5	44.0	60.2	57.5	
		US 50: Harbor Blvd to I-80	53.3	61.6	57.3		57.0	56.4	36.2	56.2	
		I-80: Reed Ave to US 50	12.9	60.4	61.6		61.4	14.5	59.6	61.1	
Alternative 3 (Add HOT2+)	Eastbound	I-80: Enterprise Blvd to US 50	61.4	45.3	57.9	n/a	57.9	60.9	26.7	57.3	
		US 50: I-80 to Harbor Blvd	62.3	24.7	58.3		58.2	61.6	15.8	57.9	
		I-80: US 50 to Reed Ave	60.9	42.9	61.7		61.6	59.7	35.2	61.2	
	Westbound	I-80: US 50 to W Capitol Ave	53.2	61.4	58.8		58.7	49.0	61.2	58.2	
		US 50: Harbor Blvd to I-80	60.7	61.7	57.7		57.4	57.7	37.0	56.7	
		I-80: Reed Ave to US 50	14.4	59.8	61.6		61.5	15.2	58.7	61.1	
Alternative 4 (Add HOT3+)	Eastbound	I-80: Enterprise Blvd to US 50	61.5	51.9	57.9	n/a	58.1	60.9	25.2	57.7	
		US 50: I-80 to Harbor Blvd	62.2	31.0	57.7		58.4	61.7	15.0	57.8	
		I-80: US 50 to Reed Ave	60.8	41.3	61.8		61.3	59.7	43.7	60.9	
	Westbound	I-80: US 50 to W Capitol Ave	41.5	61.2	58.0		58.7	38.8	61.1	58.3	
		US 50: Harbor Blvd to I-80	48.8	61.6	57.0		57.4	26.3	49.7	56.9	
		I-80: Reed Ave to US 50	13.2	60.2	61.7		61.3	14.5	59.8	60.9	
Alternative 5 (Add Toll)	Eastbound	I-80: Enterprise Blvd to US 50	61.2	53.1	57.5	n/a	57.9	60.9	18.9	57.8	
		US 50: I-80 to Harbor Blvd	62.1	36.2	56.6		58.5	61.6	14.2	57.9	
		I-80: US 50 to Reed Ave	60.8	40.7	61.7		61.3	59.9	58.7	60.5	
	Westbound	I-80: US 50 to W Capitol Ave	49.3	61.9	57.1		58.4	46.0	61.3	58.4	
		US 50: Harbor Blvd to I-80	57.5	61.9	56.5		57.1	51.3	60.2	57.0	
		I-80: Reed Ave to US 50	13.8	60.6	61.6		61.3	14.5	59.6	60.6	



Scenario/ Analysis Year	Direction	Location	Opening Year 2029			Cumulative Year 2040			Horizon Year 2049		
			Peak Hour		Off	Peak Hour		Off	Peak Hour		Off
			AM	PM	Peak	AM	PM	Peak	AM	PM	Peak
Alternative 6 (Add Transit)	Eastbound	I-80: Enterprise Blvd to US 50	61.1	44.1	57.0	n/a		56.9	60.9	11.3	56.5
		US 50: I-80 to Harbor Blvd	62.1	23.1	56.6			56.6	61.8	9.1	55.9
		I-80: US 50 to Reed Ave	60.6	60.1	60.6			60.4	59.3	58.1	59.8
	Westbound	I-80: US 50 to W Capitol Ave	31.9	61.1	57.0			57.0	36.1	60.5	56.4
		US 50: Harbor Blvd to I-80	19.5	61.7	56.0			55.9	19.8	47.2	55.2
		I-80: Reed Ave to US 50	14.4	60.3	60.4			60.1	19.9	57.6	59.5
Alternative 7 (Convert HOV)	Eastbound	I-80: Enterprise Blvd to US 50	60.3	12.7	56.1	n/a		55.8	59.6	11.7	52.7
		US 50: I-80 to Harbor Blvd	61.0	13.1	57.4			57.6	42.9	12.4	57.0
		I-80: US 50 to Reed Ave	60.7	60.7	61.1			60.9	60.1	59.6	60.4
	Westbound	I-80: US 50 to W Capitol Ave	13.6	39.6	57.8			57.8	16.0	52.3	57.4
		US 50: Harbor Blvd to I-80	8.6	62.0	55.7			55.2	8.9	60.6	52.3
		I-80: Reed Ave to US 50	60.4	41.3	60.9			60.7	59.3	38.5	60.0
Alternative 8 (Add HOV Med)	Eastbound	I-80: Enterprise Blvd to US 50	59.8	22.4	57.9	n/a		57.7	59.6	21.8	57.1
		US 50: I-80 to Harbor Blvd	62.2	16.9	58.0			57.6	61.6	15.0	57.8
		I-80: US 50 to Reed Ave	61.5	47.8	61.6			61.4	60.5	48.4	61.1
	Westbound	I-80: US 50 to W Capitol Ave	40.2	61.5	58.5			58.6	46.8	61.1	57.7
		US 50: Harbor Blvd to I-80	51.8	61.6	57.2			57.1	52.7	25.4	56.1
		I-80: Reed Ave to US 50	46.5	60.6	61.5			61.3	55.4	59.7	60.9
Alternative 9 (Add HOV no Ent)	Eastbound	I-80: Enterprise Blvd to US 50	61.5	21.6	57.9	n/a		57.8	61.0	26.2	57.5
		US 50: I-80 to Harbor Blvd	62.5	15.5	58.2			58.1	61.8	15.9	57.4
		I-80: US 50 to Reed Ave	60.4	43.1	61.8			61.6	59.2	48.2	61.3
	Westbound	I-80: US 50 to W Capitol Ave	37.3	61.9	58.5			58.1	42.4	61.4	58.0
		US 50: Harbor Blvd to I-80	47.8	61.3	57.4			57.3	53.9	14.8	56.4
		I-80: Reed Ave to US 50	12.9	60.7	61.7			61.5	14.5	60.4	61.1
Alternative 10 (Add GP)	Eastbound	I-80: Enterprise Blvd to US 50	n/a		n/a		n/a	n/a	n/a	57.4	57.0
		US 50: I-80 to Harbor Blvd								57.4	57.0
		I-80: US 50 to Reed Ave								61.3	60.7
	Westbound	I-80: US 50 to W Capitol Ave								57.7	57.3
		US 50: Harbor Blvd to I-80								56.9	56.2
		I-80: Reed Ave to US 50								61.2	60.7

Scenario/ Analysis Year	Direction	Location	Opening Year 2029			Cumulative Year 2040			Horizon Year 2049		
			Peak Hour		Off	Peak Hour		Off	Peak Hour		Off
			AM	PM	Peak	AM	PM	Peak	AM	PM	Peak
Alternative 11 (Add HOT2+ Med)	Eastbound	I-80: Enterprise Blvd to US 50			58.0			57.8			57.2
		US 50: I-80 to Harbor Blvd			58.5			58.3			57.9
		I-80: US 50 to Reed Ave			61.7			61.5			61.2
	Westbound	I-80: US 50 to W Capitol Ave	n/a		58.7	n/a		58.6	n/a		58.4
		US 50: Harbor Blvd to I-80			57.5			57.4			56.8
		I-80: Reed Ave to US 50			61.7			61.4			61.1
Alternative 12 (Add HOT3+ Med)	Eastbound	I-80: Enterprise Blvd to US 50			57.9			58.1			57.6
		US 50: I-80 to Harbor Blvd			57.8			58.4			57.8
		I-80: US 50 to Reed Ave			61.7			61.2			60.8
	Westbound	I-80: US 50 to W Capitol Ave	n/a		57.9	n/a		58.7	n/a		58.5
		US 50: Harbor Blvd to I-80			56.8			57.4			57.0
		I-80: Reed Ave to US 50			61.8			61.2			60.8
Alternative 13 (Add Toll Med)	Eastbound	I-80: Enterprise Blvd to US 50			57.5			57.9			57.6
		US 50: I-80 to Harbor Blvd			56.7			58.5			58.0
		I-80: US 50 to Reed Ave			61.7			61.2			60.4
	Westbound	I-80: US 50 to W Capitol Ave	n/a		57.0	n/a		58.3	n/a		58.5
		US 50: Harbor Blvd to I-80			56.3			57.0			57.1
		I-80: Reed Ave to US 50			61.7			61.2			60.5
Alternative 14 (Add Transit Med)	Eastbound	I-80: Enterprise Blvd to US 50			57.0			56.9			56.5
		US 50: I-80 to Harbor Blvd			56.6			56.6			55.9
		I-80: US 50 to Reed Ave			60.6			60.4			59.8
	Westbound	I-80: US 50 to W Capitol Ave	n/a		57.0	n/a		57.0	n/a		56.4
		US 50: Harbor Blvd to I-80			56.0			55.9			55.2
		I-80: Reed Ave to US 50			60.4			60.1			59.5
Alternative 15 (Convert HOV Med)	Eastbound	I-80: Enterprise Blvd to US 50			56.1			56.1			52.5
		US 50: I-80 to Harbor Blvd			57.2			57.2			57.3
		I-80: US 50 to Reed Ave			61.0			60.8			60.3
	Westbound	I-80: US 50 to W Capitol Ave	n/a		57.8	n/a		57.9	n/a		57.6
		US 50: Harbor Blvd to I-80			55.6			55.2			52.2
		I-80: Reed Ave to US 50			60.9			60.6			59.8

Note: AM and PM peak hour speed is from the Vissim operations model. The off-peak speed is from the SACSIM travel demand model.

**Table 4. A Checklist for Evaluating Adequacy of Travel Demand Models for Estimating Induced Travel**

<p><b>Check 1. Land use response to network changes<sup>[1]</sup>.</b> Check the box if the answer to the question is “yes”. “Check 1” passes if either box 1a or 1b is checked.</p>	
<p>1a <input type="checkbox"/></p>	<p>Is the model’s specification of future land use sensitive to travel time and cost, i.e., varying across modeling scenarios to simulate the land use response to network changes?</p>
<p>1b <input type="checkbox"/></p>	<p>If future year land use is exogenous to the modeling process, are land use assumptions determined via a Delphi method (Linstone and Turoff eds., 1975; Rand Corp, 1969; Cavalli-Sforza and Ortolano, 1984; and Melander 2018) or through examination of outcomes under a range of modeling scenarios, including both build and no build alternatives?</p>
<p><sup>[1]</sup> Any TDM used to assess induced travel must be paired, or iterated, with an approach for predicting changes in land use caused by the project. OPR’s Technical Advisory (<i>Appendix 2, Induced Travel Mechanisms, Research, and Additional Assessment Approaches</i>, p. 34) lists options for incorporating land use effects in a travel model-based assessment.</p>	
<p><b>Check 2. Sensitivity of trip-making behavior to network travel times and travel costs<sup>[2]</sup>.</b> Check the box if the answer to the question is “yes”. “Check 2” passes when box 2a, 2b, and 2c are all checked.</p>	
<p>2a <input checked="" type="checkbox"/></p>	<p>Do changes in network travel times and travel costs by mode (e.g. vehicle operating costs, tolls, parking costs, transit fares, etc.) influence mode choice, destination choice (including workplace location), route choice, and trip frequency?</p>
<p>2b <input type="checkbox"/></p>	<p>Are the network travel times and costs fed back into the mode choice, destination choice, route choice, and trip frequency models so that travel times and costs are roughly consistent with the “converged” travel times and costs from traffic assignment?</p>
<p>2c <input checked="" type="checkbox"/></p>	<p>Does the modeling reflect the heterogeneity and complexity of travelers’ responses to time and cost changes relevant to the examined project?</p>

**Table 4. A Checklist for Evaluating Adequacy of Travel Demand Models for Estimating Induced Travel (cont'd)**

<p><sup>[2]</sup>. If the trip generation sub-model is not sensitive to travel time, then the analyst will need to provide for a manual intervention in the trip generation stage of the model to adjust the trip generation rates in the model for off-line computed induced travel effects of the project, its alternatives, and potential mitigation measures.</p> <p>The analyst can employ activity based travel model parameters that are available from a similar region to manually estimate off-model the effects of the project, its alternatives, and potential mitigation measures on trip generation with and without the project for the desired forecast years (with the land use linkage described above activated) and noting the predicted percentage change in trip generation by purpose predicted by the activity based TDM parameters. These percentages, which will vary by project alternative, may then be applied to the output of the trip generation stage of the trip-based model.</p>	
<p><b>Check 3. Sufficiency of detail and coverage of modelled roadway and transit networks<sup>[3]</sup>.</b> Check the box if the answer to the question is “yes”. “Check 3” passes if both box 3a and 3b are checked.</p>	
<p>3a</p> <p><input checked="" type="checkbox"/></p>	<p>Are the roadway and transit networks provided in sufficient detail and coverage to reflect the full set of route and mode choices available to the traveler?</p>
<p>3b</p> <p><input checked="" type="checkbox"/></p>	<p>If the project would lead to induced travel extending beyond the model’s boundary, has the model been modified to incorporate the larger geography, or has an off-model assessment captured the additional travel generated?</p>
<p><sup>[3]</sup>. In cases where the project would lead to induced travel that extends beyond the model’s boundary, the model should either be modified to incorporate that geography (e.g. by adding “halo zones”) or an off model assessment should be made to capture the additional travel (e.g. where that travel is destined for a population center outside the model area, multiply gateway volumes by distance from the gateway to that population center).</p> <p>For sufficiency of geographical coverage, the analyst should use select link analysis to check whether links that run up to the model’s edge show increased volumes as a result of the project. If they do, VMT increases likely continue outside the model’s boundary. Where that is the case, one of three approaches can be used to capture that VMT. First, “halo zones” can be added to capture the additional VMT within the model. Second, a reasonable assumption can be made about length of the missing portion of the trip (e.g. use the distance to next major jobs or population center, if trips are likely allocated there), and that distance can be multiplied by the volume. Third, a model with greater coverage, such as the California Statewide Travel Demand Model (CSTDM), can be used.</p>	

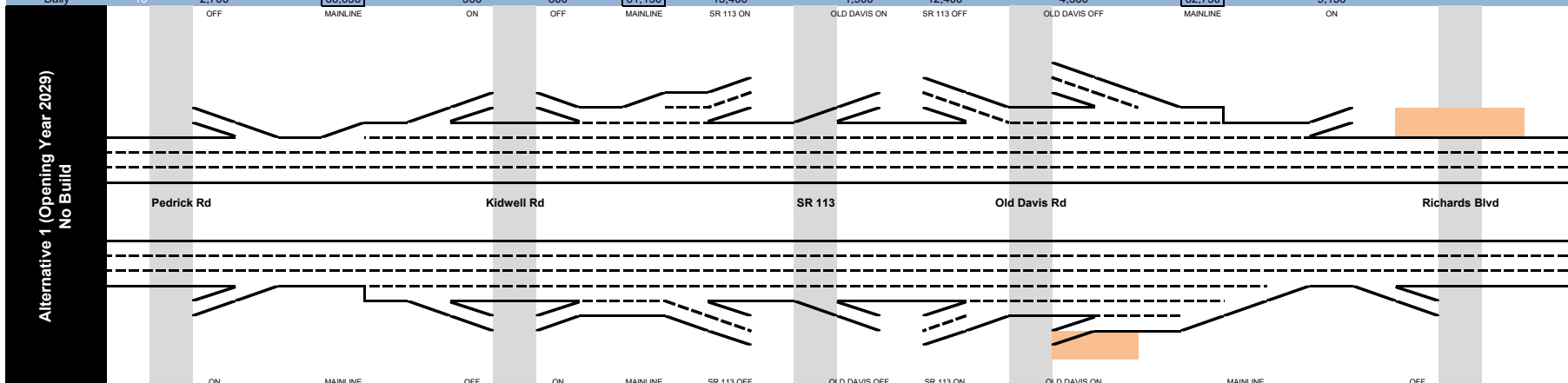
**Table 4. A Checklist for Evaluating Adequacy of Travel Demand Models for Estimating Induced Travel (cont'd)**

<p>For temporal coverage, the analyst should examine the peaking of traffic flows in the area served by the project to determine the needed temporal coverage of the model (weekday peak hours, peak periods, daily, weekends and holidays, recreational seasons, full year), and then check to ensure the model assesses those time periods.</p>	
<p><b>Check 4. Network assignment processes<sup>[4]</sup>.</b> Check the box if the answer to the question is “yes”. “Check 4” passes if box 4a is checked.</p>	
<p>4a</p> <p><input checked="" type="checkbox"/></p>	<p>Is the modeling guidance published by FHWA (Cambridge Systematics, 2008, 2010) followed, in order to provide a sufficient level of convergence in network assignment such that the differences in outcomes between modeling scenarios can be reliably attributed to the differences in scenario definitions rather than the network assignment process itself?</p>
<p><sup>[4]</sup>. For static roadway assignment, a relative gap between model runs of 0.001 is a good safe harbor.</p>	
<p><b>Check 5. Model Calibration and Validation<sup>[5]</sup>.</b> Check the box if the answer to the question is “yes”. “Check 5” passes if box 5a is checked.</p>	
<p>5a</p> <p><input checked="" type="checkbox"/></p>	<p>Has the model been validated across points in time and changes in travel time and cost in order to confirm that it is appropriately sensitive to changes in these factors?</p>
<p><sup>[5]</sup>. In order to preserve sensitivities, alternative specific constants shall not deviate substantially in overall magnitude relative to the other variables unless the resulting sensitivity is validated based on observed data.</p>	

# **Appendix E:**

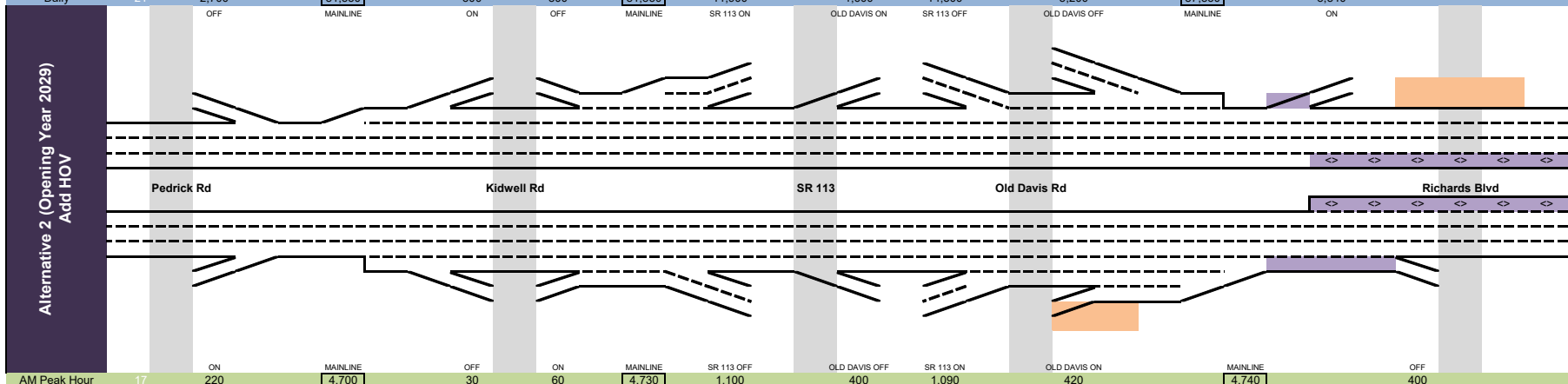
## **Horizon Year 2049 Forecast Volumes**

AM Peak Hour	12	210	4,920	40	70	4,950	1,130	50	990	480	5,240	580
AM Peak Period	13	620	19,060	90	190	19,160	3,350	250	3,630	1,710	20,900	2,060
PM Peak Hour	14	170	4,340	20	50	4,370	1,000	220	910	280	4,340	760
PM Peak Period	15	680	15,390	60	150	15,480	3,790	760	3,570	920	15,420	2,950
Daily	16	2,700	80,650	300	800	81,150	13,400	1,900	12,400	4,500	82,750	9,150



AM Peak Hour	12	220	4,630	30	60	4,660	1,130	390	910	400	4,450	430
AM Peak Period	13	570	16,150	90	150	16,210	3,640	1,180	2,680	1,390	15,460	1,760
PM Peak Hour	14	130	4,680	50	80	4,710	1,440	330	400	580	3,920	470
PM Peak Period	15	480	17,870	170	230	17,930	4,710	1,030	2,220	2,190	16,600	2,050
Daily	16	2,000	71,600	600	800	71,800	14,700	4,300	9,300	7,800	69,900	7,500

AM Peak Hour	17	210	5,020	40	70	5,050	1,010	50	1,170	540	5,700	550
AM Peak Period	18	630	19,440	80	190	19,550	2,980	250	4,210	1,930	22,460	1,990
PM Peak Hour	19	170	4,370	20	40	4,390	870	210	1,080	350	4,740	720
PM Peak Period	20	690	15,430	50	150	15,530	3,290	690	4,280	1,110	16,940	2,770
Daily	21	2,700	81,330	300	800	81,830	11,900	1,600	14,300	5,200	87,830	8,840

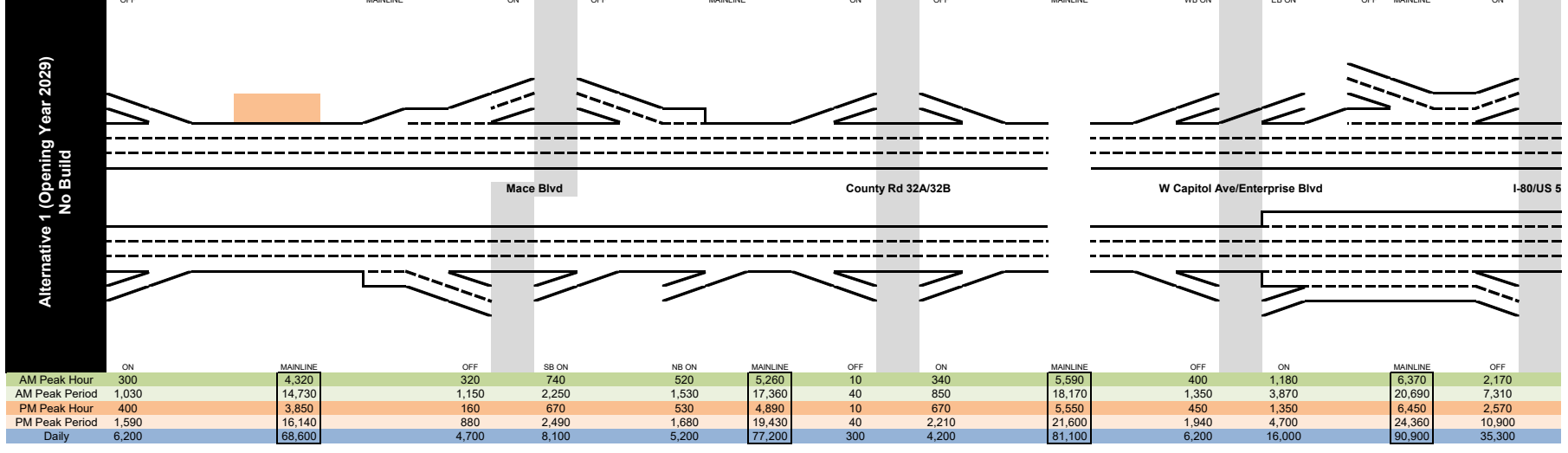


AM Peak Hour	17	220	4,700	30	60	4,730	1,100	400	1,090	420	4,740	400
AM Peak Period	18	570	16,230	90	150	16,290	3,350	1,130	3,250	1,530	16,590	1,660
PM Peak Hour	19	130	4,750	50	80	4,780	1,070	330	590	640	4,610	440
PM Peak Period	20	480	18,130	170	230	18,190	3,580	1,010	3,060	2,490	19,150	1,970
Daily	21	2,000	72,100	500	800	72,400	13,000	4,100	11,200	8,700	75,200	7,200

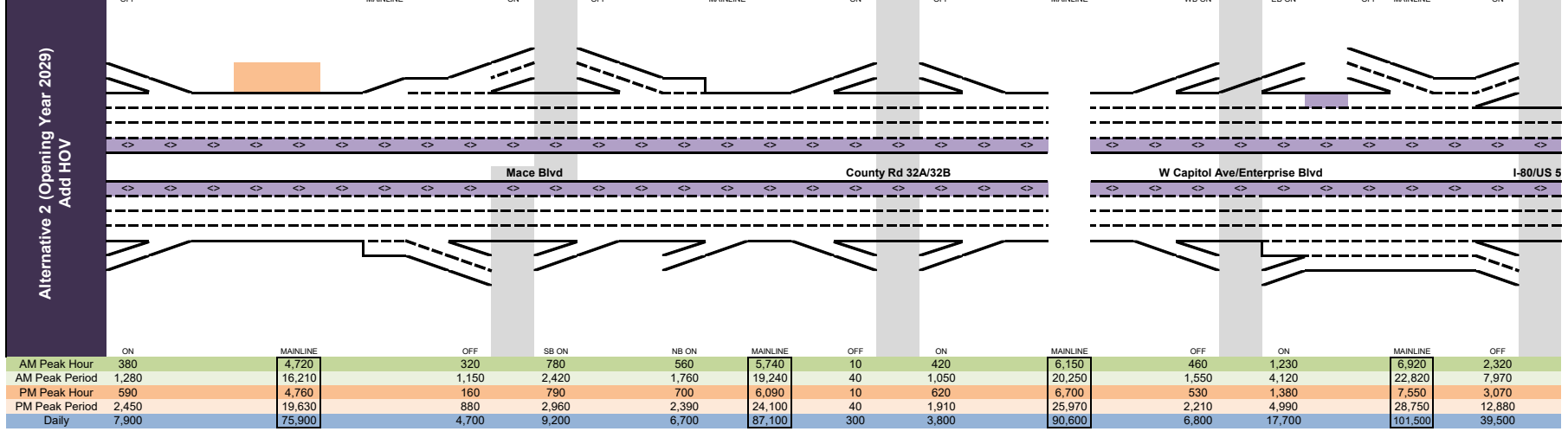
Alternative 1 (Opening Year 2029)  
No Build

Alternative 2 (Opening Year 2029)  
Add HOV

AM Peak Hour	850	5,510	480	890	5,920	10	500	6,410	630	370	940	6,350	3,050
AM Peak Period	4,010	22,850	1,720	3,160	24,290	70	1,370	25,590	1,600	1,010	3,360	26,340	11,730
PM Peak Hour	440	4,020	390	1,020	4,650	40	410	5,020	270	160	770	5,360	2,640
PM Peak Period	1,720	14,190	1,560	3,900	16,530	80	1,650	18,100	1,090	550	3,050	19,510	9,230
Daily	8,600	82,200	6,300	12,700	88,600	300	4,100	92,400	4,500	3,100	14,800	99,600	45,400

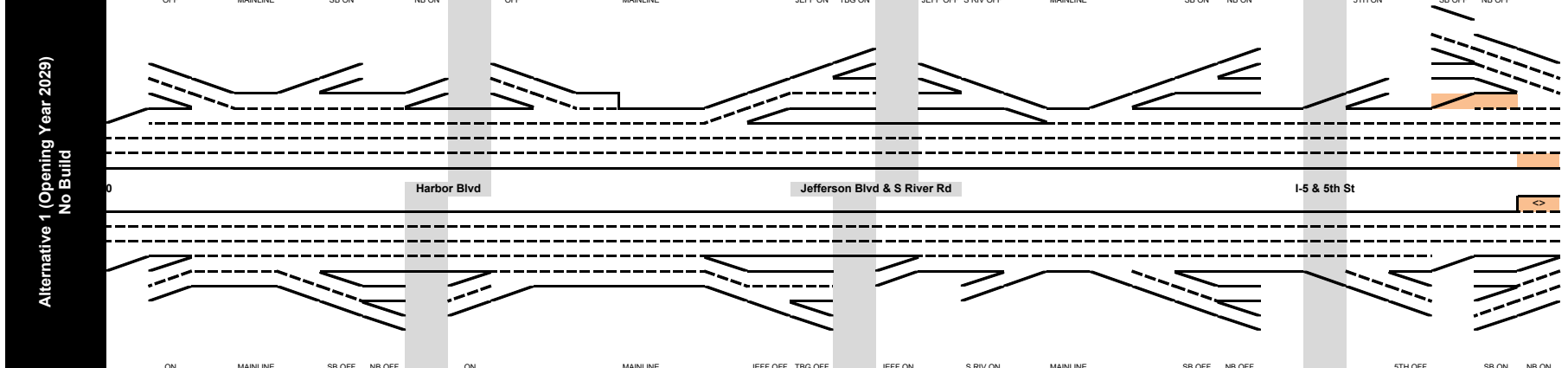


AM Peak Hour	920	6,070	480	1,200	6,790	10	500	7,280	600	370	960	7,270	3,490
AM Peak Period	4,490	24,960	1,710	4,360	27,610	70	1,130	28,670	1,610	1,100	3,530	29,490	13,380
PM Peak Hour	610	4,630	390	1,440	5,680	40	300	5,940	270	230	830	6,270	3,020
PM Peak Period	2,390	16,560	1,560	5,360	20,360	80	1,260	21,540	1,090	730	2,850	22,570	10,880
Daily	10,410	89,400	6,300	16,800	99,900	300	3,100	102,700	4,500	3,400	16,200	111,000	49,600



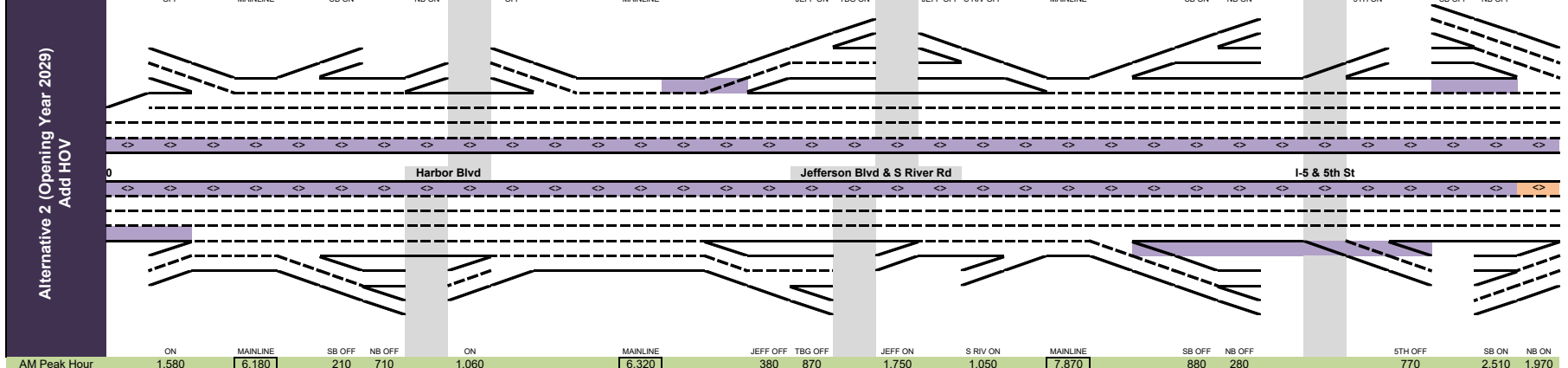


AM Peak Hour	1,340	4,640	220	520	1,790	5,690	260	290	850	800	6,790	210	1,530	270	710	2,680
AM Peak Period	4,110	18,720	810	1,390	6,230	22,750	920	1,060	3,280	2,560	26,610	1,070	5,900	900	2,760	9,950
PM Peak Hour	1,510	4,230	290	440	2,050	5,550	350	790	850	850	6,110	490	700	440	1,820	1,810
PM Peak Period	4,910	15,190	960	1,570	7,020	19,680	1,130	2,210	3,400	3,230	22,970	1,790	2,130	1,470	6,680	7,440
Daily	17,700	71,900	3,700	4,100	20,900	85,000	3,900	4,600	17,800	11,600	105,900	5,200	16,900	3,700	17,200	38,700

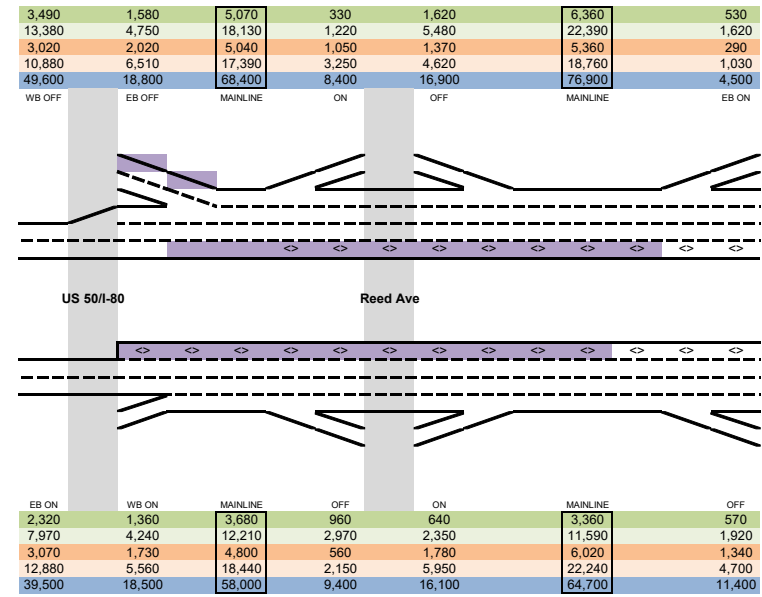
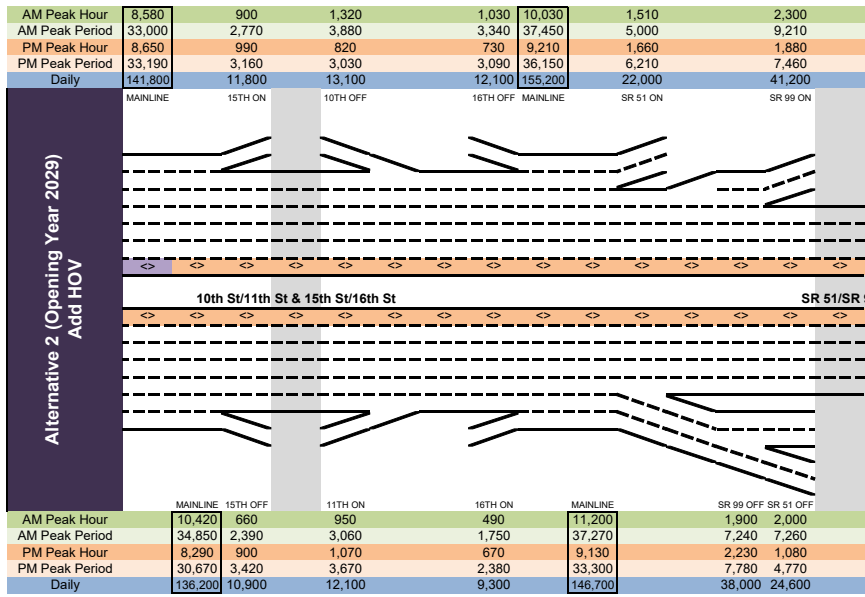
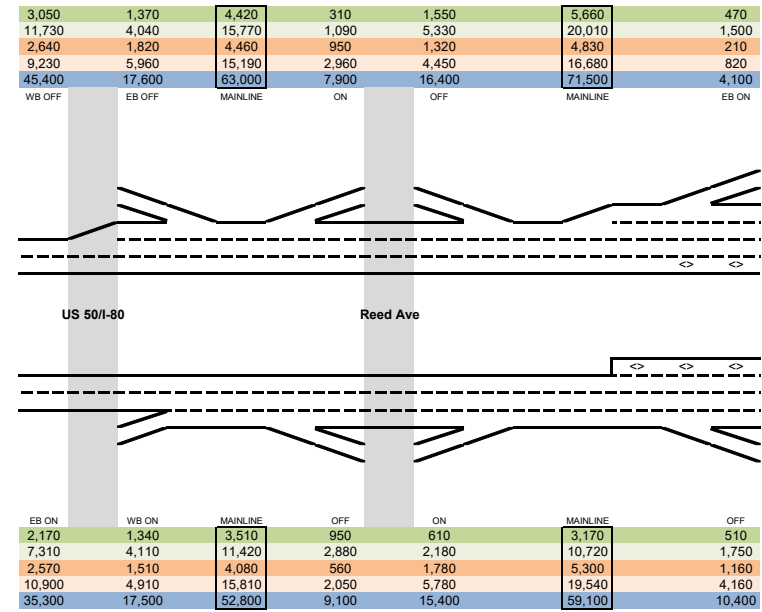
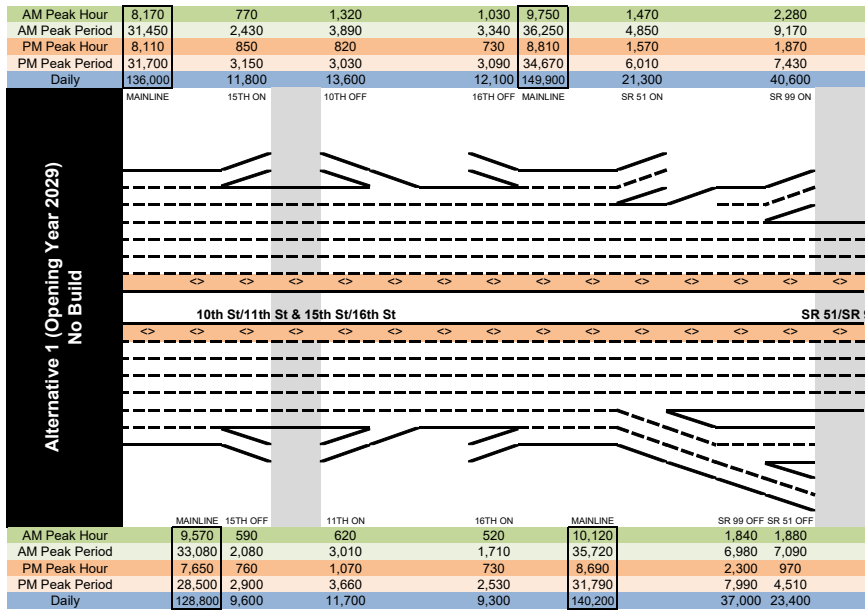


AM Peak Hour	1,370	5,570	160	690	990	5,710	320	770	1,750	1,050	7,420	880	490	710	2,360	1,870
AM Peak Period	4,040	17,420	540	2,330	3,530	18,080	1,210	2,220	5,700	3,230	23,580	3,060	1,030	2,120	9,310	6,400
PM Peak Hour	1,820	5,700	200	690	1,310	6,120	560	650	1,550	840	7,300	1,310	100	1,210	2,020	950
PM Peak Period	5,960	19,420	750	2,440	4,970	21,200	1,950	1,830	6,020	3,160	26,600	5,830	650	4,030	8,470	3,940
Daily	18,500	74,100	2,300	9,000	18,200	81,000	5,500	6,800	22,700	11,200	102,600	17,300	4,200	9,800	39,500	18,000

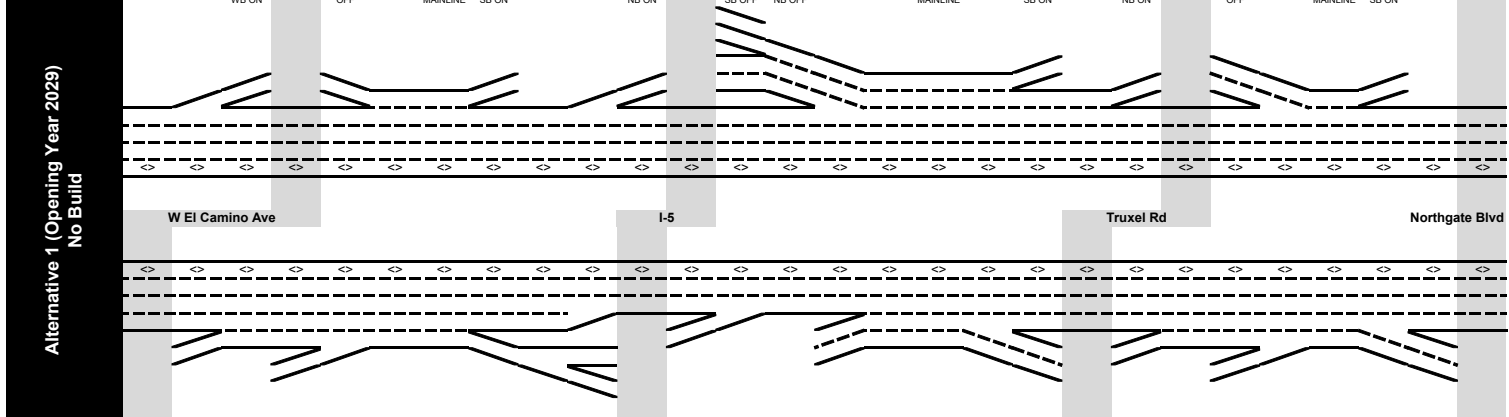
AM Peak Hour	1,360	5,140	230	560	1,850	6,200	260	300	850	850	7,340	230	1,620	310	720	2,680
AM Peak Period	4,240	20,350	870	1,490	6,540	24,530	960	1,130	3,400	2,820	28,660	1,070	6,250	1,050	2,760	9,950
PM Peak Hour	1,730	4,980	330	470	2,220	6,400	410	790	850	850	6,900	490	890	510	1,830	1,810
PM Peak Period	5,560	17,250	1,100	1,560	7,690	22,280	1,310	2,340	3,400	3,170	25,200	1,810	2,810	1,490	6,670	7,430
Daily	18,600	80,000	4,000	4,600	21,400	92,800	4,100	4,800	18,000	12,000	113,900	5,500	18,400	4,600	17,700	38,700



AM Peak Hour	1,580	6,180	210	710	1,060	6,320	380	870	1,750	1,050	7,870	880	280	770	2,510	1,970
AM Peak Period	4,750	19,600	540	2,380	3,760	20,440	1,370	2,380	5,850	3,250	25,790	3,250	1,150	2,290	9,350	6,400
PM Peak Hour	2,020	6,500	220	700	1,400	6,980	590	620	1,590	860	8,220	1,460	260	1,240	2,060	970
PM Peak Period	6,510	22,380	760	2,490	5,360	24,490	2,030	1,740	6,070	3,190	29,980	6,380	1,290	4,150	8,450	4,060
Daily	19,600	81,600	2,400	9,200	19,100	89,100	5,600	6,100	23,200	11,300	111,900	18,600	5,400	10,100	40,100	18,300

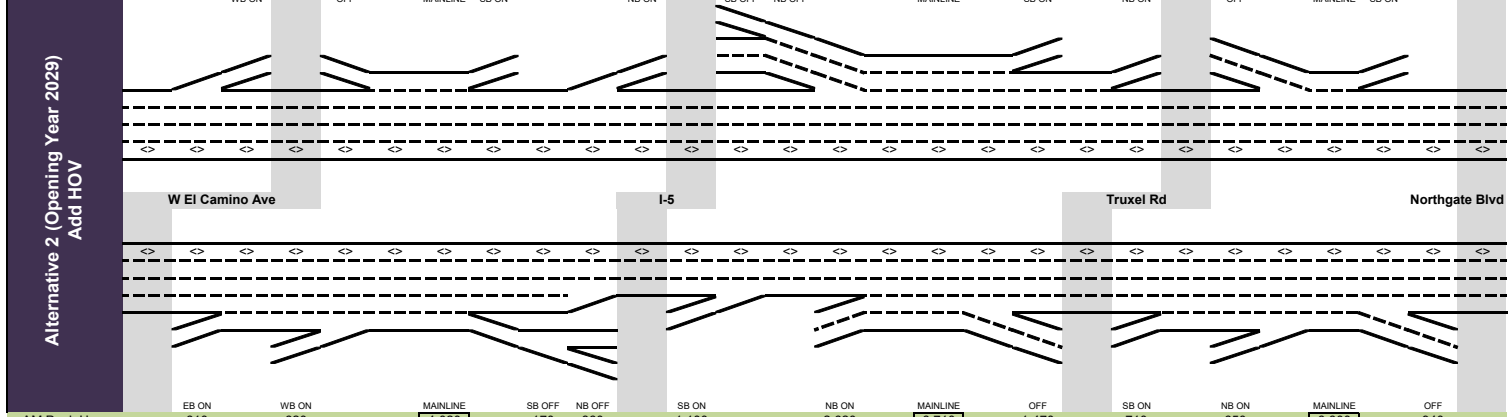


AM Peak Hour	390	850	5,650	1,170	80	2,760	1,080	8,240	1,230	390	1,180	7,800	500
AM Peak Period	1,210	2,390	19,690	3,790	360	9,030	3,900	28,470	3,770	1,260	3,680	27,120	1,770
PM Peak Hour	420	570	4,770	1,170	270	2,210	1,300	6,840	1,160	210	1,280	6,750	700
PM Peak Period	1,430	2,070	16,500	3,990	790	8,360	5,020	25,100	4,340	870	5,040	24,930	2,290
Daily	4,800	8,100	70,700	14,500	2,000	32,700	19,400	106,300	15,900	4,400	16,800	102,800	7,600



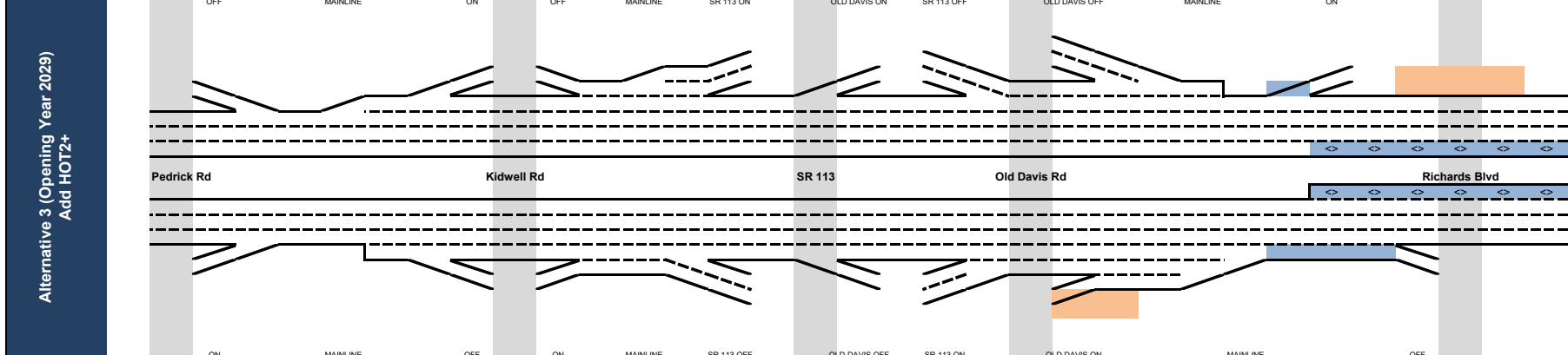
AM Peak Hour	620	620	3,900	170	840	1,070	2,550	6,510	1,440	700	640	6,410	940
AM Peak Period	1,760	1,530	12,260	570	2,830	3,460	7,550	19,870	4,440	2,190	1,860	19,480	3,060
PM Peak Hour	460	560	5,160	100	1,680	990	2,770	7,140	1,290	570	600	7,020	730
PM Peak Period	1,650	1,900	18,930	370	5,330	3,780	10,030	27,040	5,930	2,360	2,050	25,520	2,810
Daily	6,000	6,200	60,900	1,600	14,500	15,700	33,800	94,300	19,300	10,700	6,700	92,400	12,100

AM Peak Hour	440	860	6,250	1,360	80	2,860	1,100	8,770	1,320	390	1,190	8,250	630
AM Peak Period	1,370	2,410	21,810	4,520	380	9,410	4,020	30,340	4,110	1,310	3,710	28,630	2,020
PM Peak Hour	440	560	5,190	1,320	260	2,320	1,320	7,250	1,250	210	1,350	7,140	750
PM Peak Period	1,490	2,100	18,340	4,620	790	8,600	5,160	26,690	4,480	870	5,190	26,530	2,470
Daily	5,200	8,200	75,400	15,700	2,100	33,200	19,900	110,700	16,000	4,600	17,200	107,300	8,100



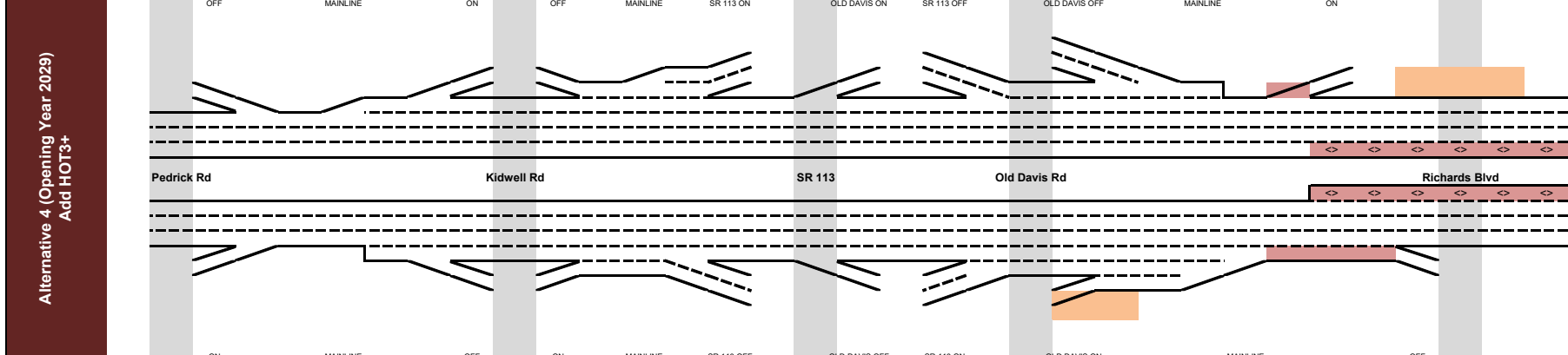
AM Peak Hour	610	620	4,020	170	860	1,100	2,620	6,710	1,470	710	650	6,600	940
AM Peak Period	1,730	1,590	12,990	560	2,950	3,500	7,910	20,890	4,600	2,260	2,000	20,550	3,130
PM Peak Hour	460	550	5,690	70	1,920	990	2,850	7,540	1,310	570	570	7,370	810
PM Peak Period	1,650	1,930	21,120	270	6,040	3,820	9,910	28,540	5,970	2,360	2,130	27,060	3,080
Daily	6,000	6,400	65,700	1,500	15,700	16,000	34,000	98,500	19,700	11,100	7,100	97,000	12,500

AM Peak Hour	22	210	5,100	40	70	5,130	1,000	50	1,170	560	5,810	550
AM Peak Period	23	630	19,500	80	190	19,610	2,950	250	4,220	1,960	22,590	1,990
PM Peak Hour	24	170	4,370	20	40	4,390	860	210	1,090	350	4,760	710
PM Peak Period	25	690	15,350	50	150	15,450	3,260	690	4,260	1,080	16,840	2,720
Daily	26	2,700	81,300	300	800	81,800	11,800	1,600	14,300	5,200	87,900	8,800

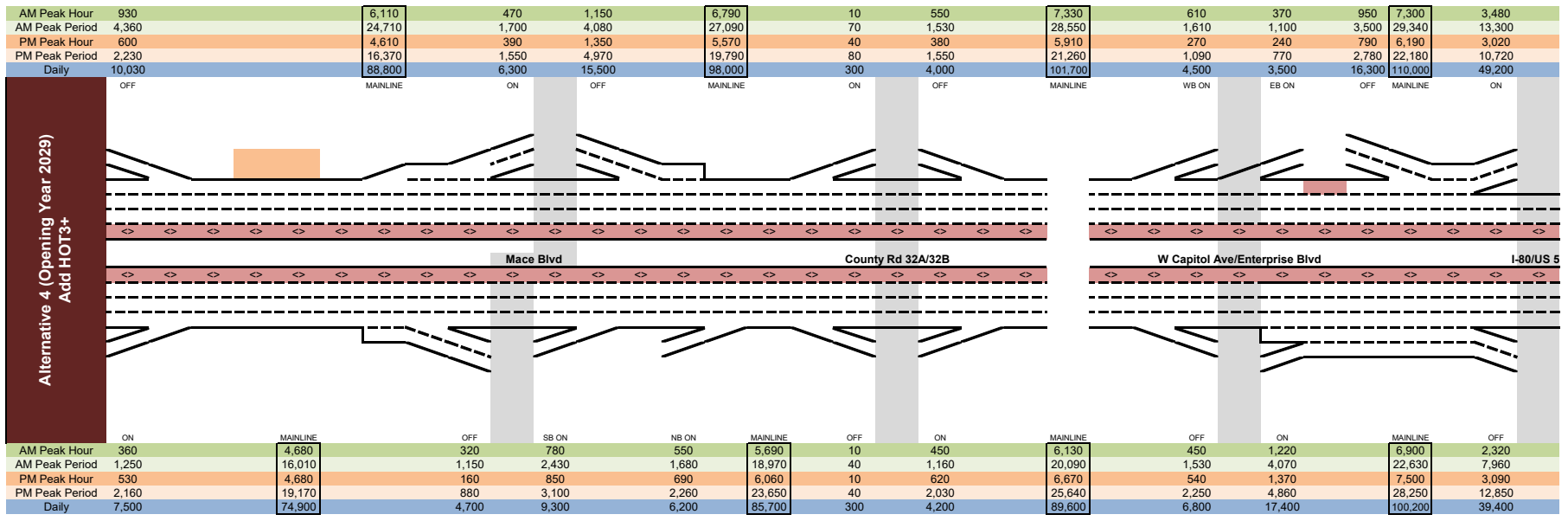
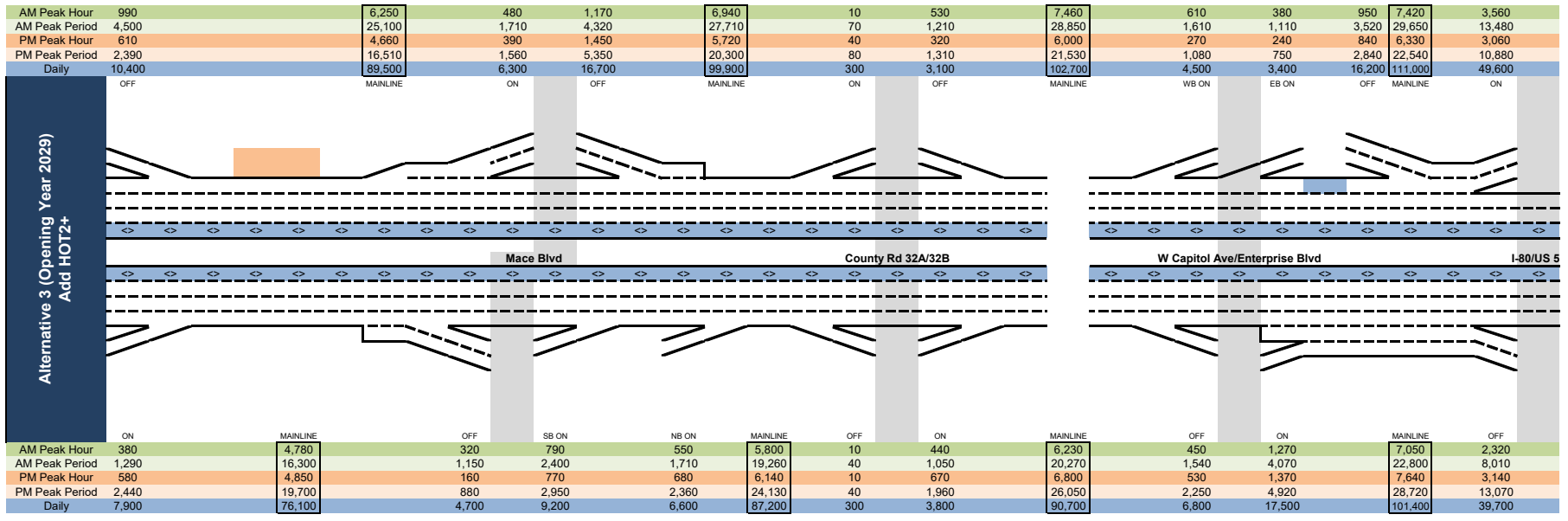


AM Peak Hour	22	220	4,710	30	60	4,740	1,080	390	1,110	420	4,800	400
AM Peak Period	23	570	16,240	90	150	16,300	3,300	1,110	3,250	1,520	16,660	1,650
PM Peak Hour	24	140	4,770	50	80	4,800	990	330	590	640	4,710	440
PM Peak Period	25	480	18,160	170	230	18,220	3,400	1,020	2,960	2,470	19,230	1,970
Daily	26	2,100	72,200	600	800	72,400	12,800	4,100	11,100	8,700	75,300	7,100

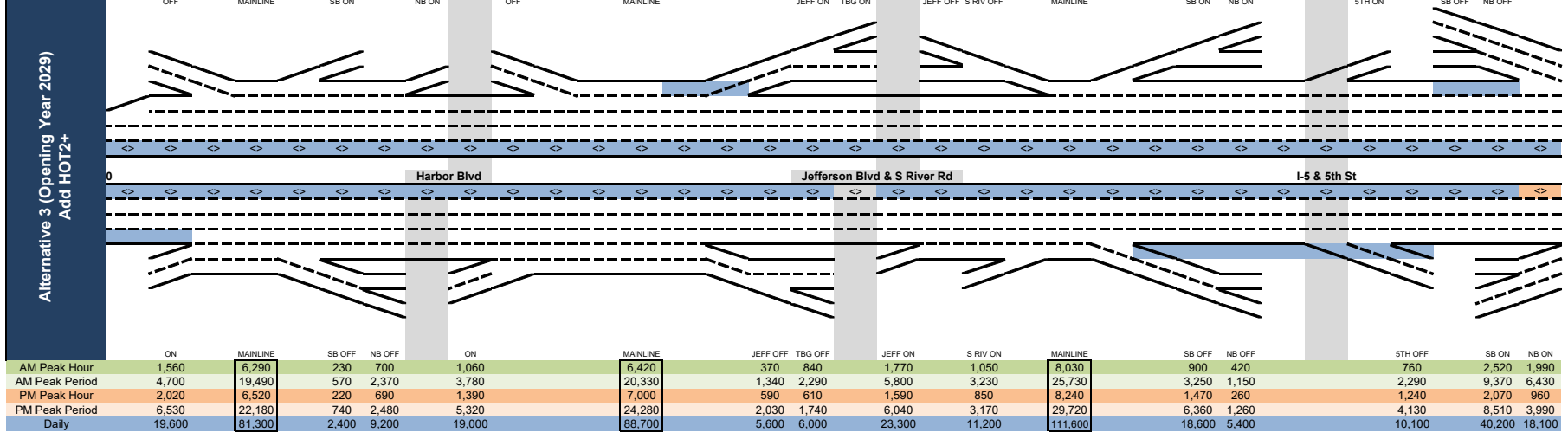
AM Peak Hour	27	210	5,090	40	70	5,120	1,010	50	1,130	550	5,740	560
AM Peak Period	28	620	19,440	80	190	19,550	2,960	250	4,090	1,920	22,350	2,000
PM Peak Hour	29	170	4,390	20	40	4,410	860	210	1,060	330	4,730	720
PM Peak Period	30	690	15,600	50	150	15,700	3,280	680	4,110	1,060	16,910	2,770
Daily	31	2,700	81,600	300	800	82,100	11,900	1,700	13,900	5,100	87,500	8,730



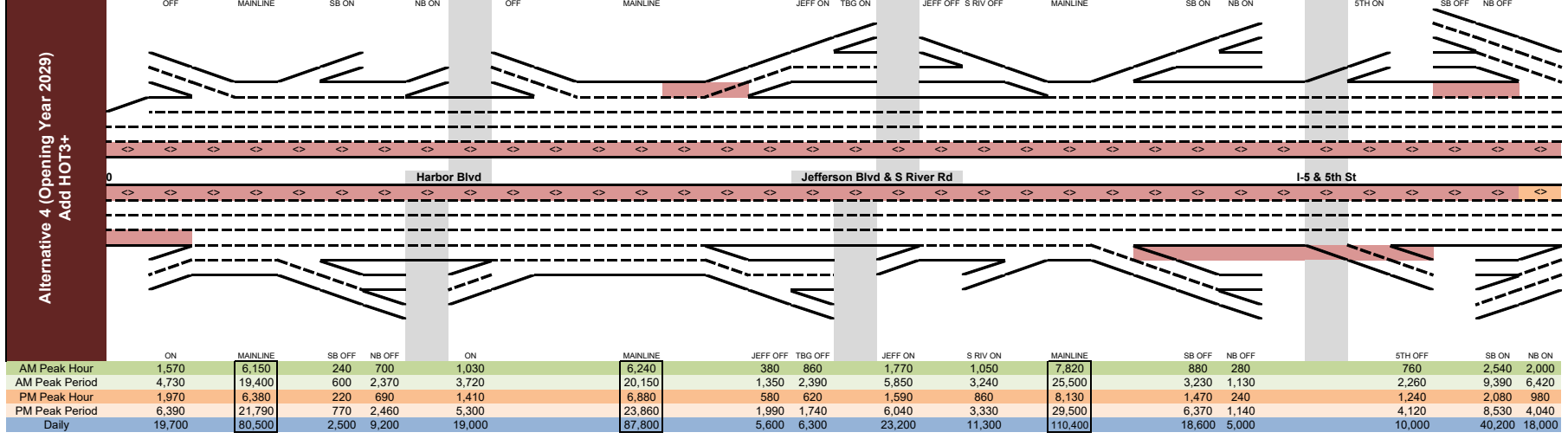
AM Peak Hour	27	220	4,700	30	60	4,730	1,090	380	1,050	420	4,730	410
AM Peak Period	28	570	16,230	90	150	16,290	3,330	1,110	3,080	1,500	16,430	1,670
PM Peak Hour	29	140	4,780	50	80	4,810	1,060	330	550	620	4,590	440
PM Peak Period	30	480	18,140	170	230	18,200	3,460	1,010	2,860	2,420	19,010	2,000
Daily	31	2,100	72,200	600	800	72,400	12,900	4,100	10,700	8,500	74,600	7,200

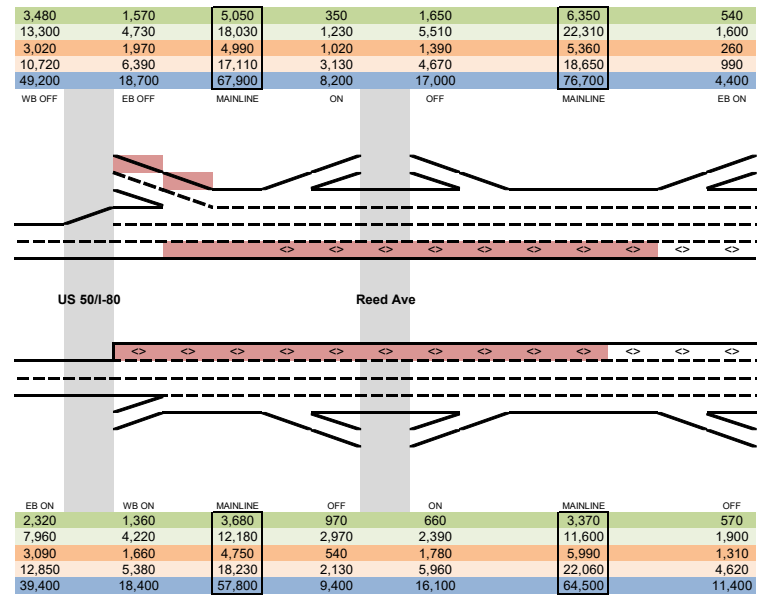
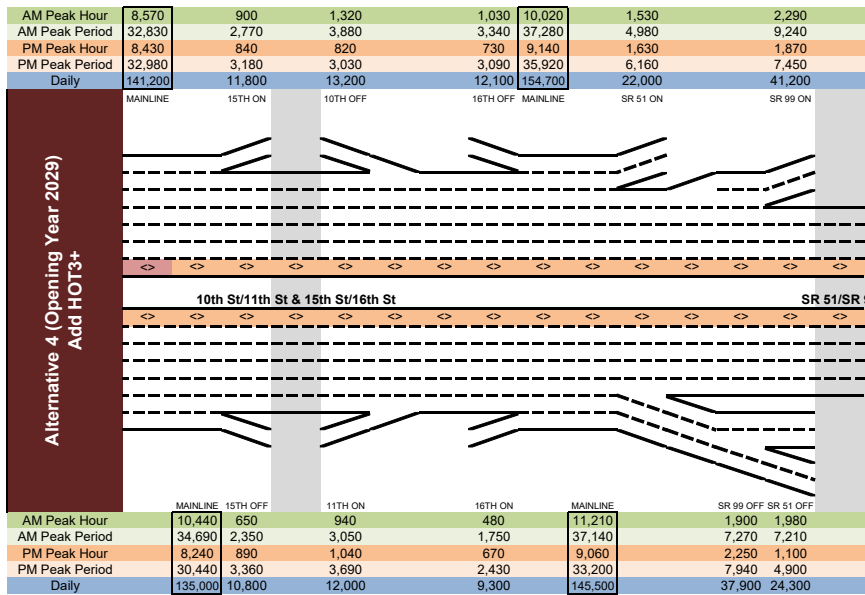
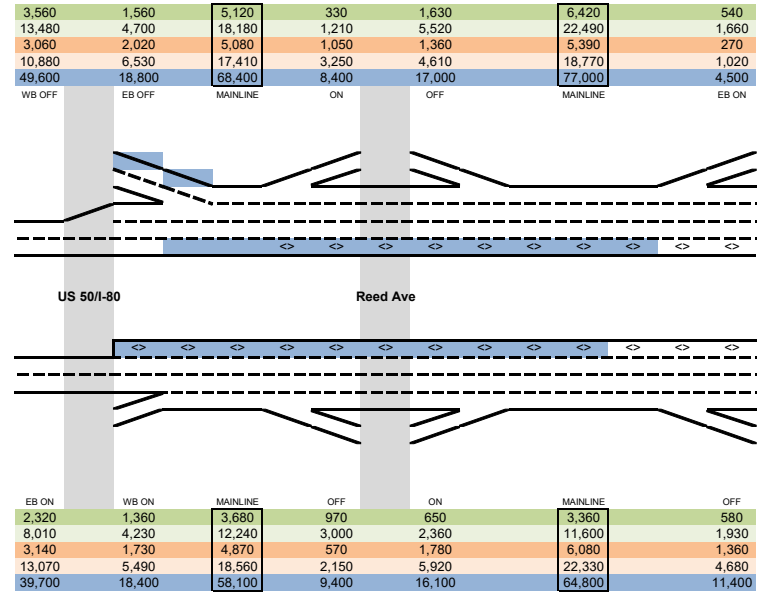
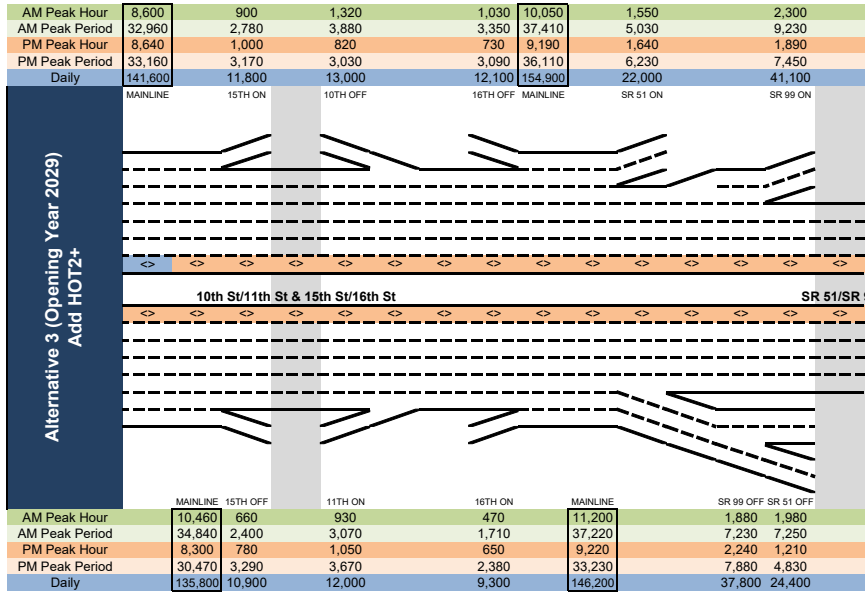


AM Peak Hour	1,360	5,220	240	570	1,830	6,240	260	300	850	850	7,380	230	1,650	300	720	2,680
AM Peak Period	4,230	20,400	880	1,500	6,510	24,530	960	1,120	3,400	2,790	28,640	1,080	6,290	1,020	2,760	9,950
PM Peak Hour	1,730	5,000	320	460	2,200	6,420	420	790	850	850	6,910	490	890	520	1,820	1,810
PM Peak Period	5,490	17,150	1,080	1,530	7,690	22,230	1,310	2,310	3,400	3,150	25,160	1,790	2,850	1,480	6,680	7,440
Daily	18,500	79,900	4,000	4,600	21,300	82,600	4,100	4,800	18,000	12,000	113,700	5,300	18,500	4,600	17,600	38,700

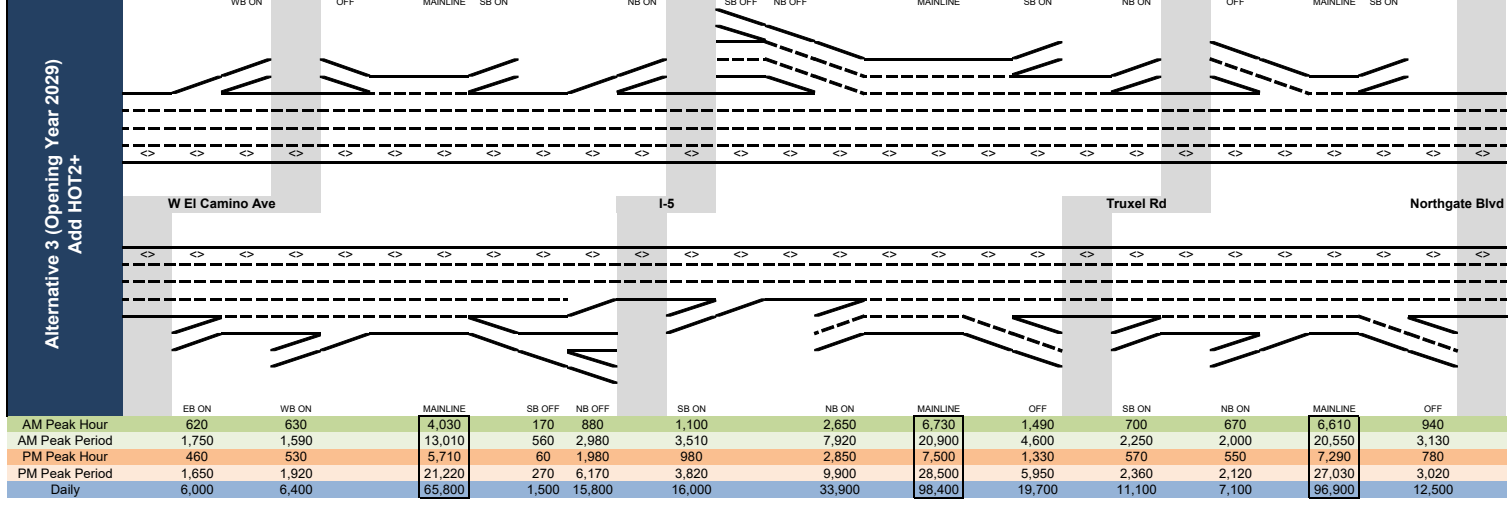


AM Peak Hour	1,360	5,180	230	570	1,800	6,180	260	310	850	850	7,310	220	1,610	310	720	2,680
AM Peak Period	4,220	20,260	860	1,520	6,480	24,360	960	1,160	3,400	2,800	28,440	1,080	6,200	1,040	2,760	9,950
PM Peak Hour	1,660	4,830	330	450	2,110	6,160	410	770	850	850	6,680	500	900	490	1,820	1,820
PM Peak Period	5,380	16,840	1,090	1,490	7,580	21,840	1,290	2,340	3,400	3,140	24,750	1,790	2,620	1,480	6,680	7,440
Daily	18,500	79,300	4,000	4,700	21,200	81,800	4,100	4,900	18,000	12,100	112,900	5,100	18,300	4,600	17,600	38,700

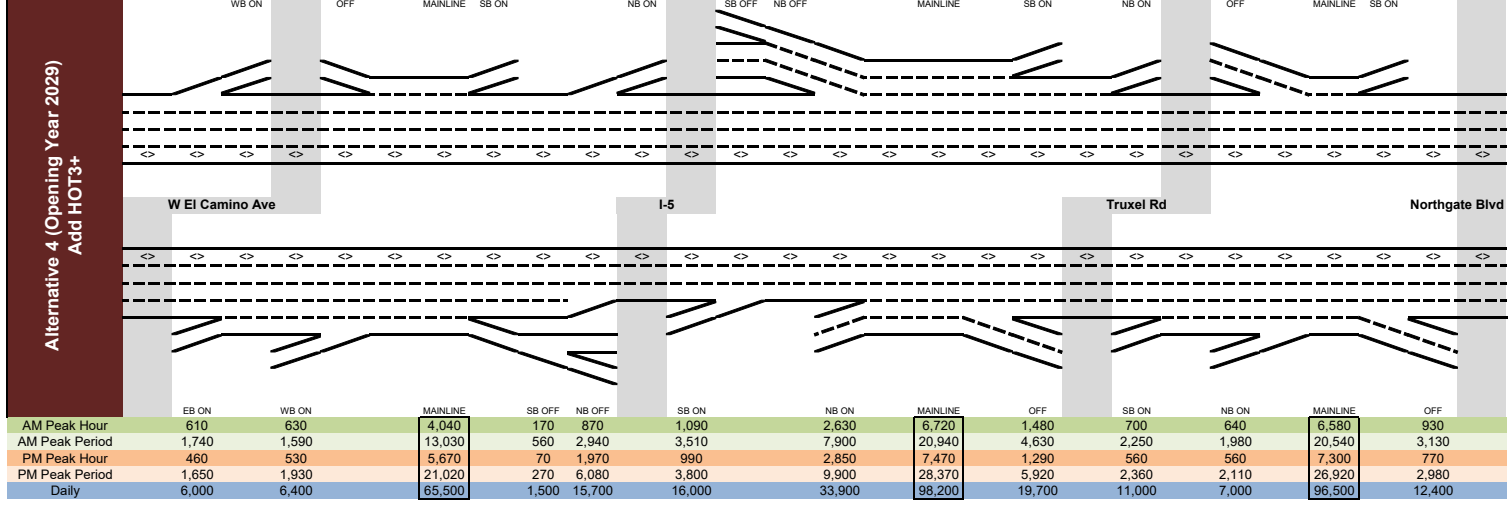




AM Peak Hour	430	840	6,290	1,390	80	2,860	1,070	8,750	1,320	390	1,190	8,230	620
AM Peak Period	1,360	2,390	21,860	4,580	380	9,440	3,980	30,320	4,120	1,290	3,710	28,620	2,000
PM Peak Hour	440	570	5,250	1,330	270	2,330	1,320	7,300	1,280	210	1,340	7,150	760
PM Peak Period	1,510	2,140	18,380	4,660	810	8,620	5,160	26,690	4,480	880	5,220	26,550	2,490
Daily	5,200	8,200	75,500	15,900	2,100	33,300	19,800	110,600	16,000	4,500	17,200	107,300	8,100

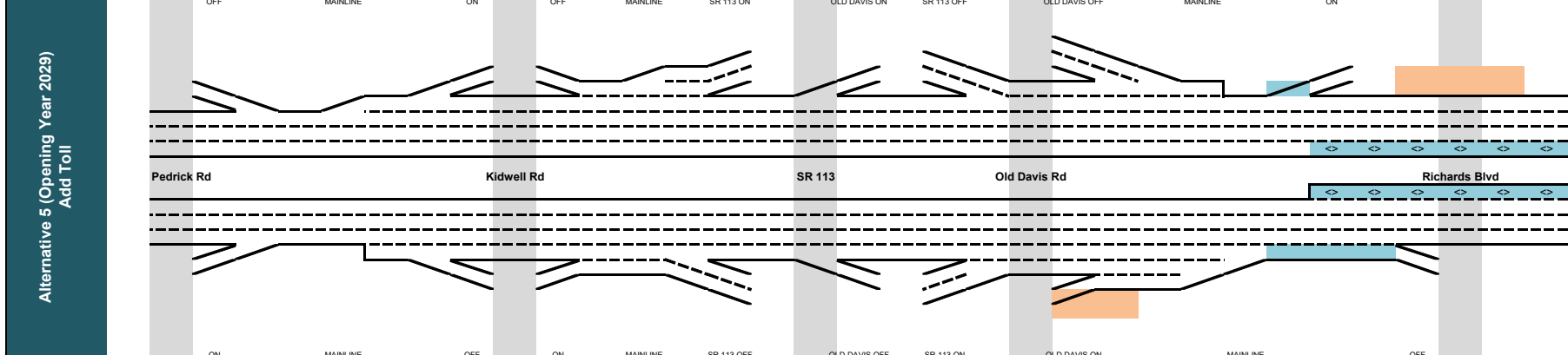


AM Peak Hour	430	850	6,230	1,380	90	2,840	1,100	8,700	1,310	390	1,190	8,190	610
AM Peak Period	1,370	2,400	21,740	4,560	390	9,390	4,020	30,200	4,090	1,300	3,710	28,520	1,990
PM Peak Hour	450	560	5,210	1,340	260	2,320	1,330	7,260	1,250	210	1,330	7,130	760
PM Peak Period	1,520	2,120	18,260	4,620	790	8,590	5,150	26,590	4,440	880	5,180	26,450	2,500
Daily	5,200	8,200	75,300	15,900	2,100	33,300	19,900	110,500	16,000	4,600	17,200	107,100	8,100



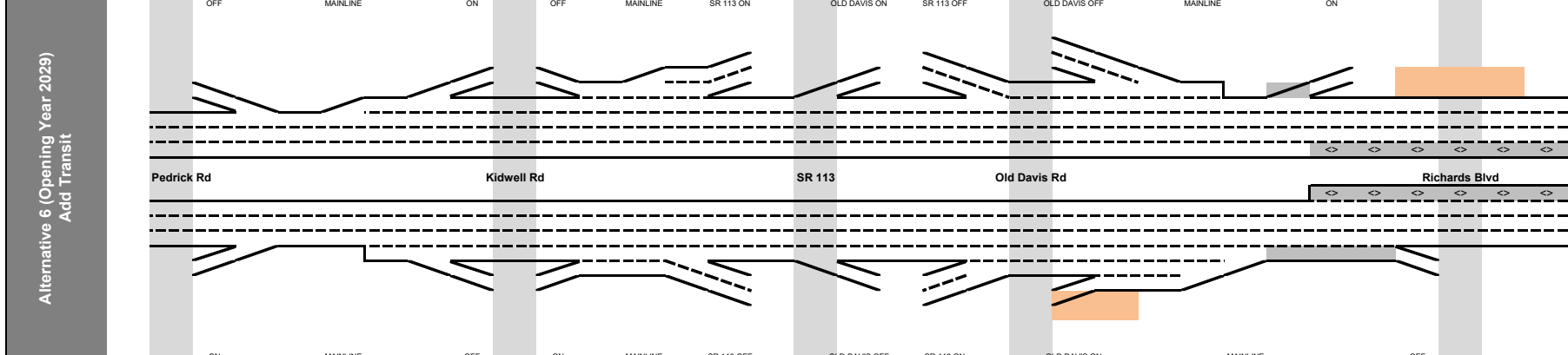


AM Peak Hour	32	210	5,090	40	70	5,120	1,010	50	1,120	550	5,730	550
AM Peak Period	33	620	19,470	80	190	19,580	2,980	250	4,020	1,910	22,280	1,970
PM Peak Hour	34	170	4,360	20	40	4,380	860	210	1,010	320	4,640	700
PM Peak Period	35	690	15,650	50	150	15,750	3,260	680	3,960	1,040	16,810	2,730
Daily	36	2,700	80,980	300	800	81,480	11,900	1,600	13,500	5,100	86,580	8,860



AM Peak Hour	32	220	4,700	30	60	4,730	1,080	380	980	410	4,660	410
AM Peak Period	33	570	16,230	90	150	16,290	3,300	1,110	2,910	1,460	16,250	1,670
PM Peak Hour	34	130	4,760	50	80	4,790	1,010	330	500	610	4,560	440
PM Peak Period	35	480	18,130	170	230	18,190	3,490	1,010	2,700	2,380	18,770	1,980
Daily	36	2,100	72,200	600	800	72,400	12,900	4,100	10,300	8,400	74,100	7,100

AM Peak Hour	37	210	4,930	40	70	4,960	1,160	50	1,020	490	5,260	570
AM Peak Period	38	620	19,360	90	190	19,460	3,450	260	3,740	1,740	21,230	2,070
PM Peak Hour	39	170	4,380	20	50	4,410	1,000	230	940	290	4,410	770
PM Peak Period	40	680	15,630	60	150	15,720	3,840	770	3,680	970	15,760	2,970
Daily	41	2,700	80,710	300	800	81,210	13,300	1,800	12,700	4,600	83,410	9,180

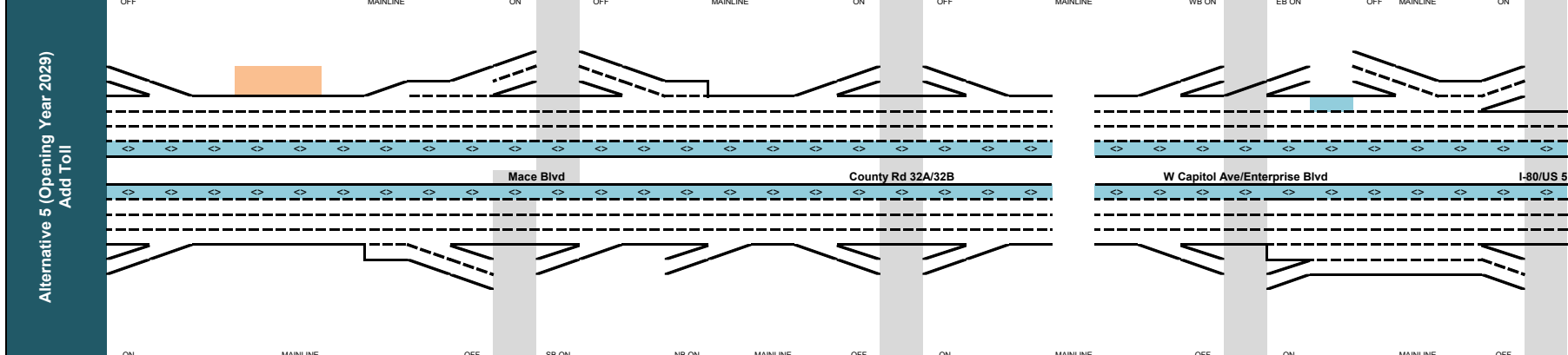


AM Peak Hour	37	220	4,670	30	60	4,700	1,190	410	920	400	4,420	440
AM Peak Period	38	570	16,140	90	150	16,200	3,660	1,200	2,790	1,400	15,530	1,770
PM Peak Hour	39	130	4,680	50	80	4,710	1,450	330	420	570	3,920	480
PM Peak Period	40	480	17,860	170	230	17,920	4,700	1,030	2,340	2,210	16,740	2,080
Daily	41	2,000	71,600	600	800	71,800	14,600	4,300	9,600	8,000	70,500	7,600

Alternative 5 (Opening Year 2029)  
Add Toll

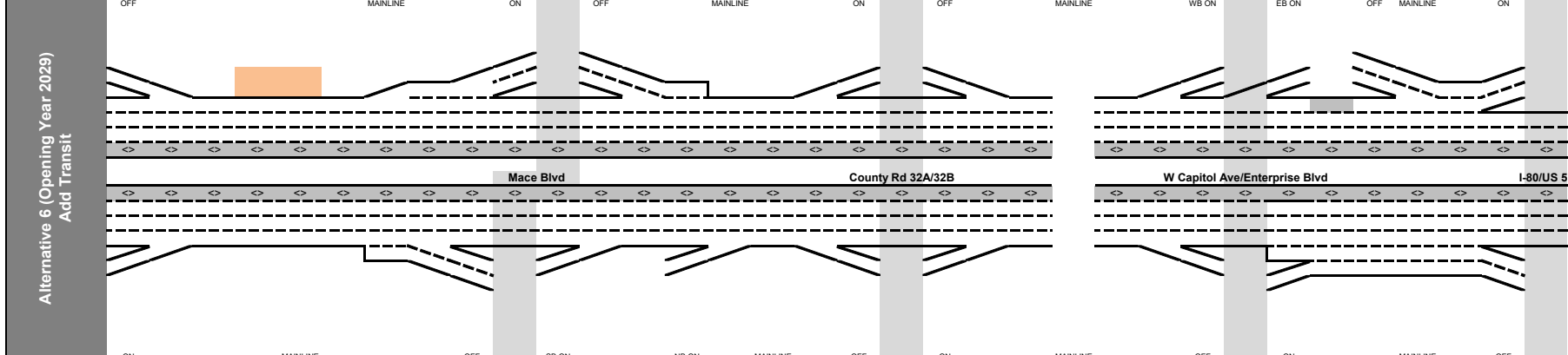
Alternative 6 (Opening Year 2029)  
Add Transit

AM Peak Hour	910	6,090	470	1,110	6,730	10	670	7,390	610	370	930	7,340	3,510
AM Peak Period	4,230	24,540	1,690	3,900	26,750	70	1,910	28,590	1,600	1,100	3,470	29,360	13,340
PM Peak Hour	550	4,490	390	1,400	5,500	40	350	5,810	270	250	790	6,080	3,010
PM Peak Period	2,070	16,150	1,560	5,040	19,630	80	1,590	21,140	1,090	780	2,950	22,220	10,760
Daily	9,580	87,300	6,300	14,700	95,700	300	5,100	100,500	4,500	3,500	16,200	108,700	48,900



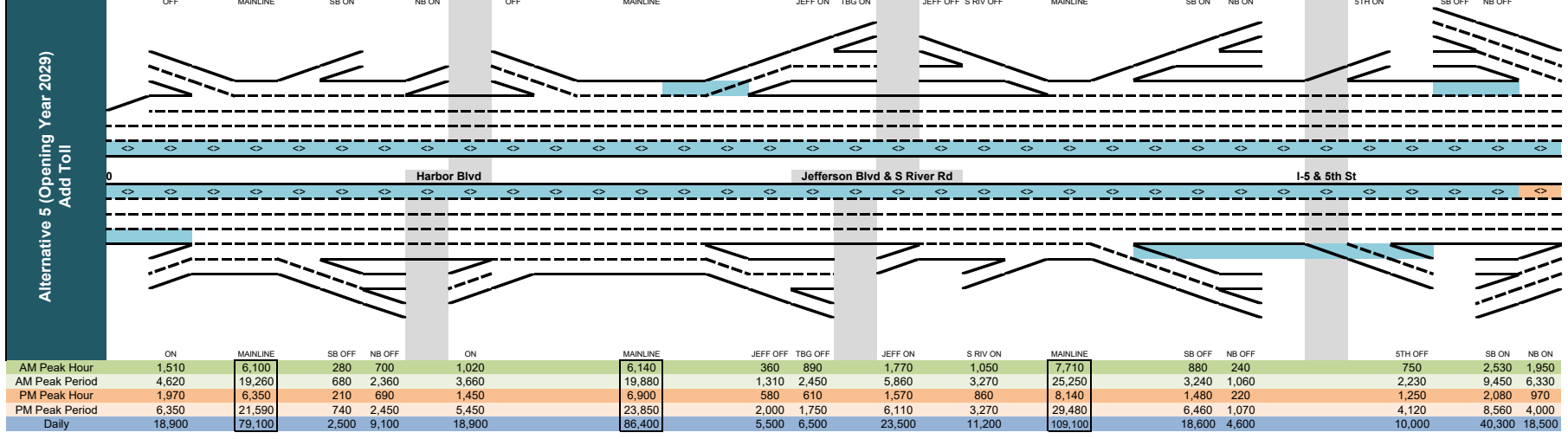
AM Peak Hour	340	4,590	320	770	510	5,550	10	590	6,130	440	1,230	6,920	2,330
AM Peak Period	1,190	15,770	1,150	2,360	1,460	18,440	40	1,580	19,980	1,530	4,060	22,510	7,870
PM Peak Hour	480	4,600	160	890	710	6,040	10	670	6,700	550	1,360	7,510	3,130
PM Peak Period	2,070	18,860	880	3,240	2,390	23,610	40	2,020	25,590	2,290	4,960	28,260	13,020
Daily	7,200	74,200	4,700	9,400	5,600	84,500	300	5,000	89,200	6,800	17,000	99,400	39,200

AM Peak Hour	820	5,510	480	930	5,960	10	630	6,580	610	370	960	6,560	3,080
AM Peak Period	4,030	23,190	1,720	3,380	24,850	70	1,550	26,330	1,600	1,050	3,460	27,140	12,120
PM Peak Hour	460	4,100	390	1,080	4,790	40	440	5,190	270	160	840	5,600	2,700
PM Peak Period	1,750	14,540	1,590	4,130	17,080	80	1,600	18,600	1,090	580	3,220	20,150	9,390
Daily	8,870	83,100	6,300	13,300	90,100	300	4,500	94,300	4,500	3,100	15,000	101,700	45,900

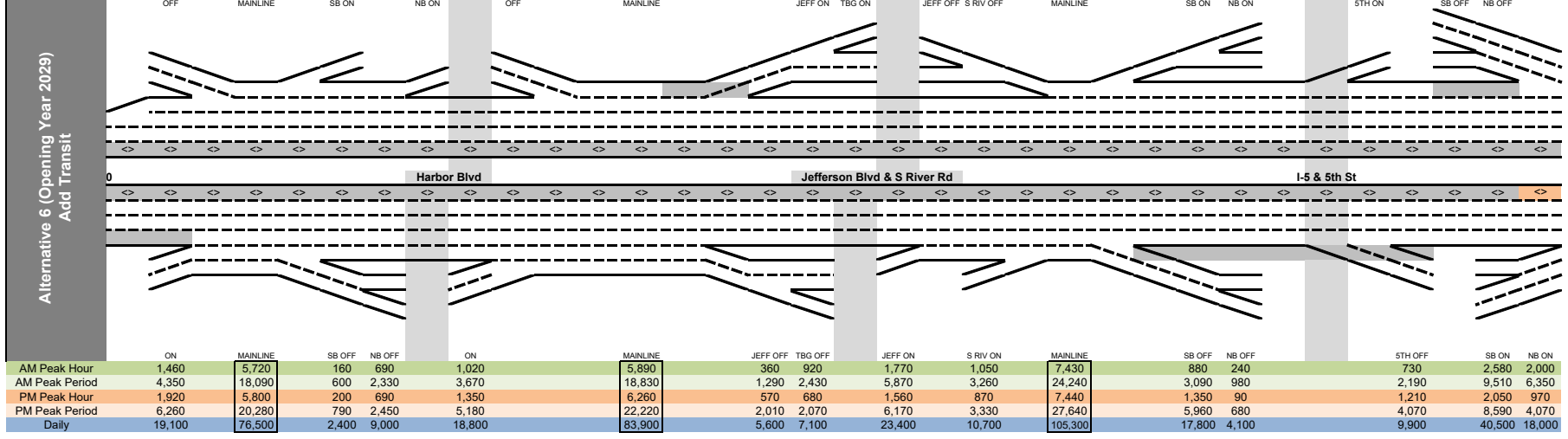


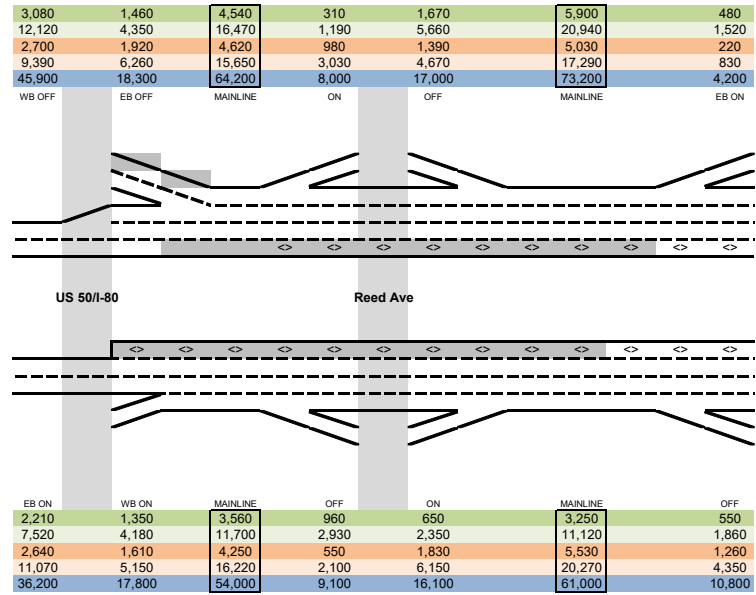
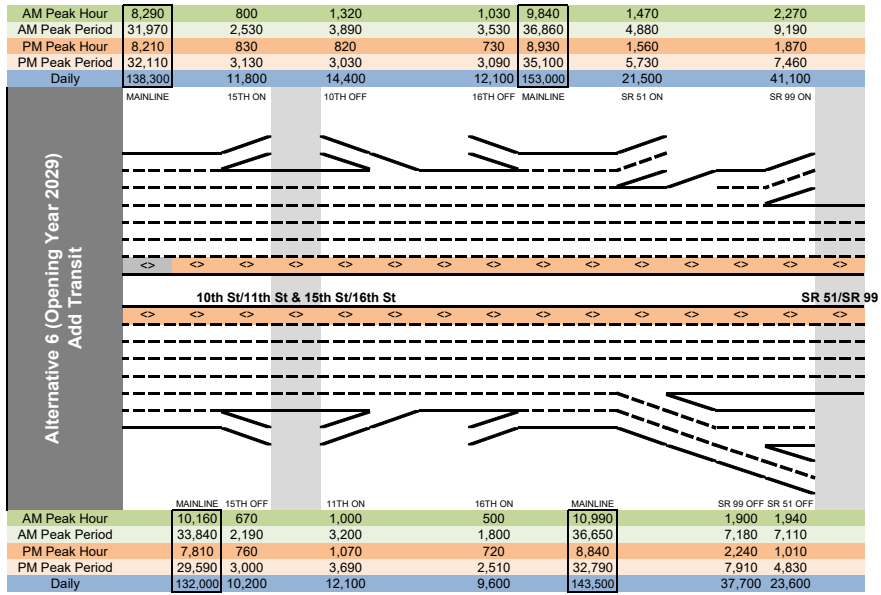
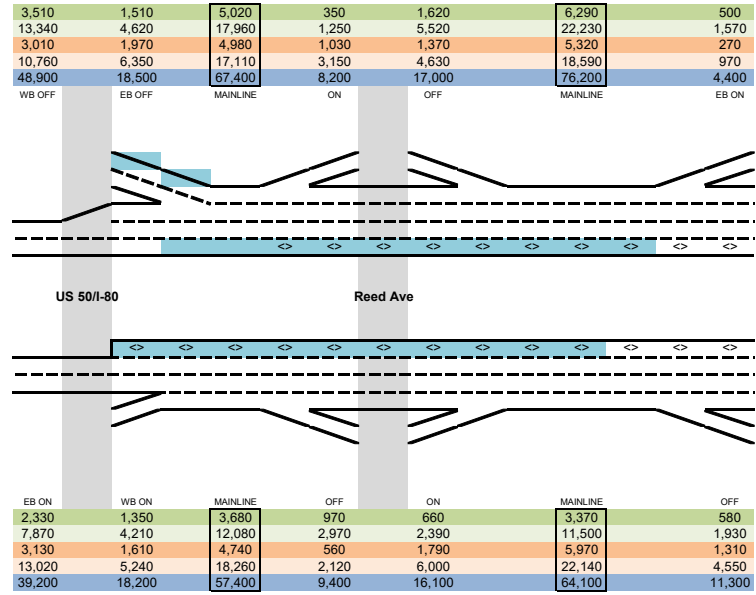
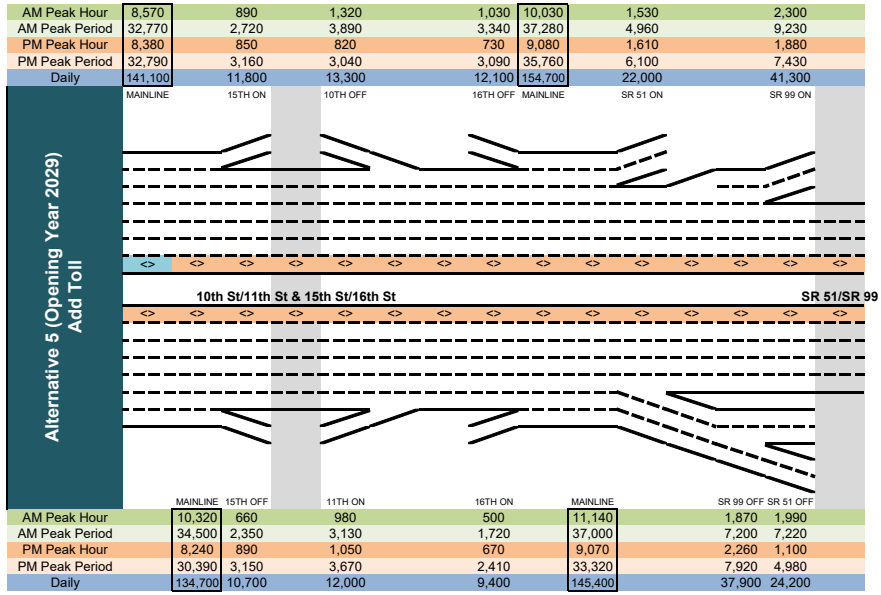
AM Peak Hour	300	4,280	320	750	520	5,230	10	420	5,640	400	1,230	6,470	2,210
AM Peak Period	1,100	14,860	1,150	2,340	1,570	17,620	40	1,020	18,600	1,390	4,050	21,260	7,520
PM Peak Hour	410	3,850	160	730	540	4,960	10	690	5,640	490	1,370	6,520	2,640
PM Peak Period	1,690	16,350	1,300	2,760	2,000	19,810	40	2,500	22,270	2,020	4,840	25,090	11,070
Daily	6,500	69,400	5,100	8,700	5,700	78,700	300	4,700	83,100	6,300	16,800	93,600	36,200

AM Peak Hour	1,350	5,180	220	570	1,810	6,200	260	320	850	850	7,320	200	1,640	310	720	2,680
AM Peak Period	4,210	20,230	840	1,510	6,450	24,330	950	1,200	3,400	2,820	28,400	1,080	6,250	1,010	2,760	9,950
PM Peak Hour	1,610	4,680	320	420	2,100	6,040	380	760	850	850	6,600	490	880	500	1,830	1,820
PM Peak Period	5,240	16,700	1,060	1,470	7,410	21,580	1,220	2,330	3,400	3,260	24,690	1,790	2,750	1,480	6,680	7,440
Daily	18,400	78,200	3,900	4,500	21,100	90,900	4,000	4,800	18,000	12,100	112,200	5,000	18,100	4,500	17,800	38,700

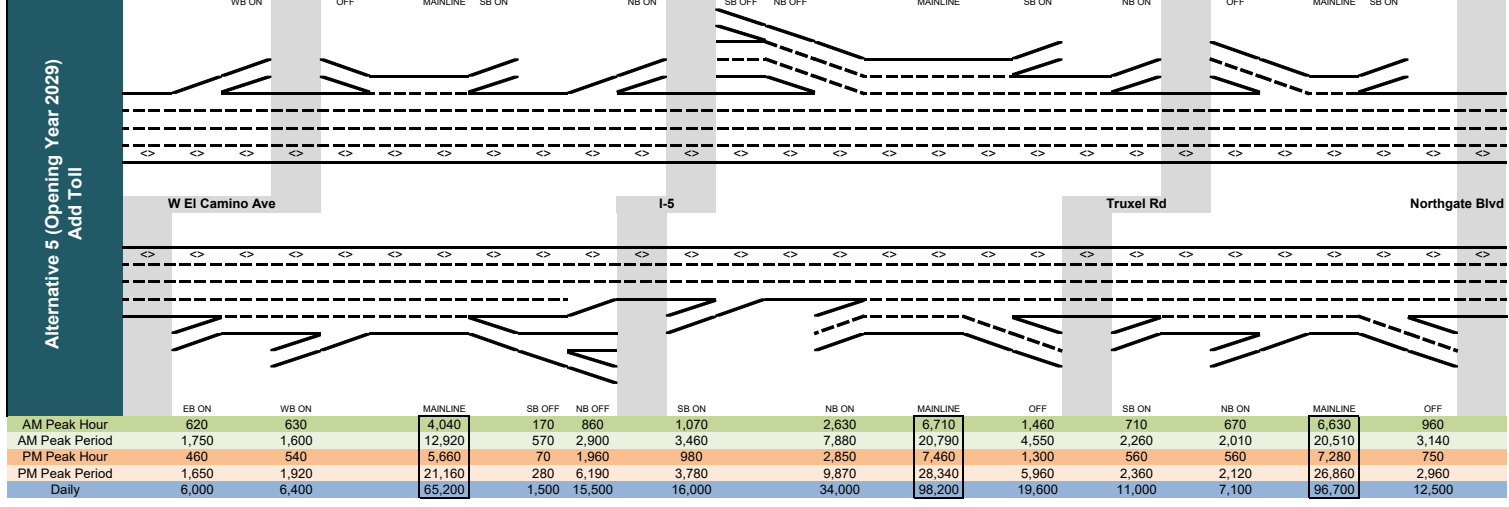


AM Peak Hour	1,350	4,830	220	520	1,770	5,860	260	310	850	840	6,980	190	1,600	290	710	2,680
AM Peak Period	4,180	19,200	820	1,410	6,400	23,370	930	1,160	3,400	2,680	27,360	1,070	6,080	950	2,760	9,950
PM Peak Hour	1,610	4,510	300	490	2,060	5,780	380	830	850	850	6,270	490	770	440	1,820	1,820
PM Peak Period	5,150	15,910	1,010	1,640	7,030	20,290	1,190	2,320	3,400	3,400	23,580	1,780	2,350	1,460	6,680	7,440
Daily	17,900	73,700	3,800	4,300	21,100	86,700	4,000	4,800	17,800	11,800	107,500	4,600	17,400	3,700	17,800	38,700

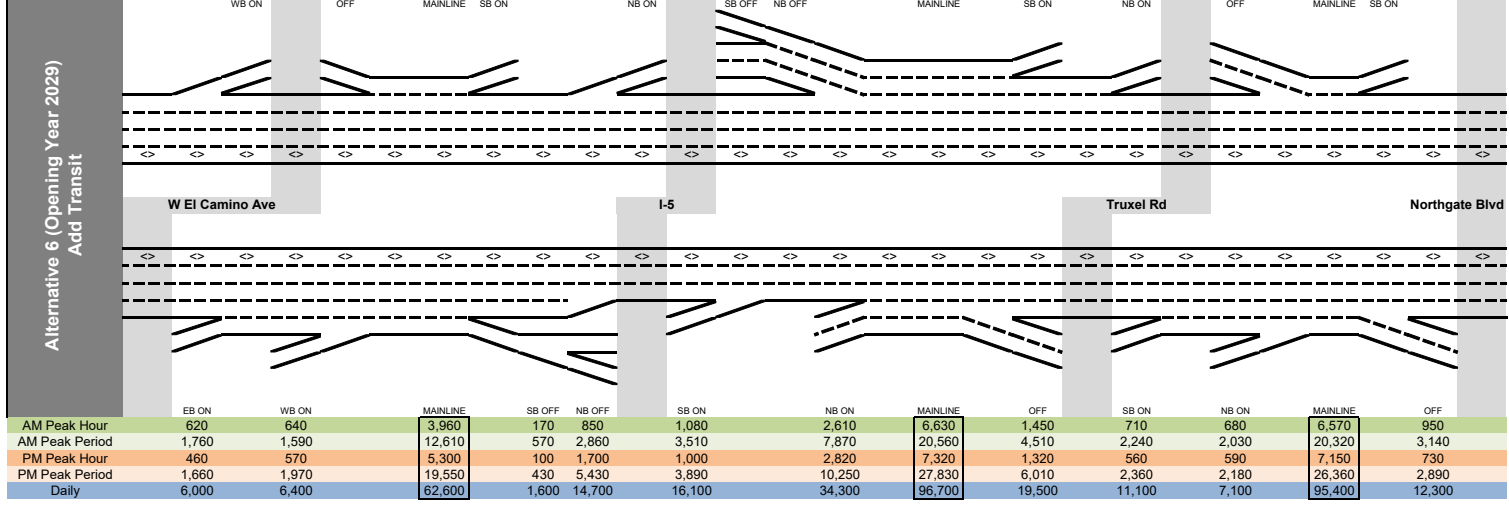




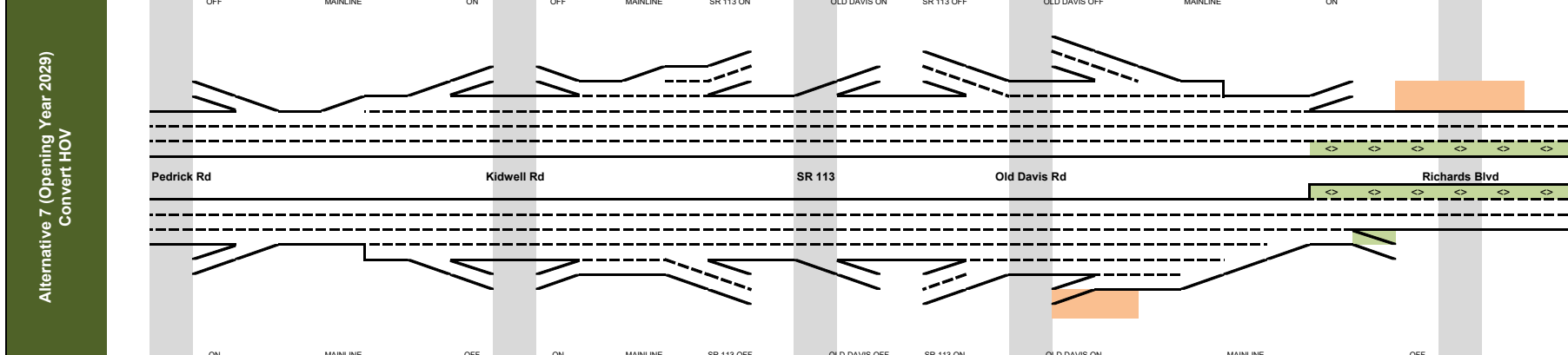
AM Peak Hour	440	850	6,200	1,380	100	2,870	1,080	8,670	1,310	380	1,210	8,190	610
AM Peak Period	1,410	2,400	21,650	4,490	410	9,440	3,980	30,170	4,080	1,290	3,700	28,500	1,970
PM Peak Hour	460	580	5,170	1,310	270	2,310	1,330	7,230	1,260	210	1,340	7,100	760
PM Peak Period	1,510	2,130	18,240	4,580	820	8,570	5,140	26,550	4,490	880	5,200	26,380	2,470
Daily	5,200	8,200	74,800	15,600	2,100	33,100	19,800	110,000	15,900	4,500	17,200	106,800	8,000



AM Peak Hour	400	860	5,880	1,180	90	2,830	1,080	8,520	1,270	380	1,190	8,060	560
AM Peak Period	1,300	2,430	20,550	3,970	370	9,300	3,960	29,470	3,930	1,320	3,730	27,950	1,830
PM Peak Hour	450	570	4,930	1,190	270	2,300	1,350	7,120	1,210	210	1,350	7,050	750
PM Peak Period	1,530	2,110	17,040	4,090	790	8,360	5,190	25,710	4,260	880	5,210	25,780	2,400
Daily	5,000	8,200	72,200	14,800	2,000	33,000	19,900	108,300	15,500	4,500	17,300	105,600	7,900

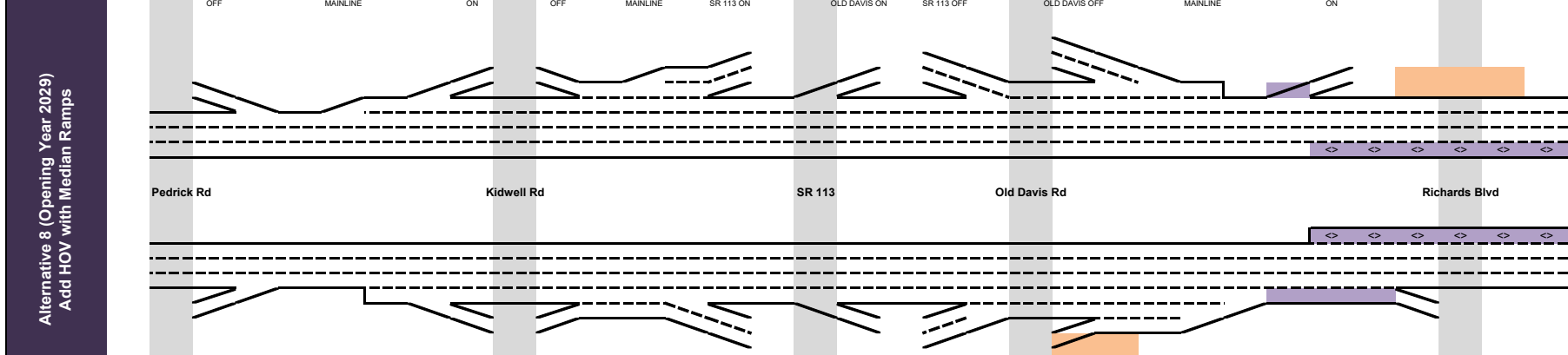


AM Peak Hour	42	210	5,000	40	70	5,030	1,430	50	1,000	460	5,010	620
AM Peak Period	43	620	19,390	90	190	19,490	4,360	280	3,710	1,700	20,260	2,160
PM Peak Hour	44	180	4,720	20	50	4,750	1,180	350	930	300	4,450	830
PM Peak Period	45	690	16,250	60	150	16,340	4,530	960	3,750	980	15,580	3,150
Daily	46	2,700	80,170	300	800	80,670	15,100	2,100	12,800	4,500	80,770	9,550



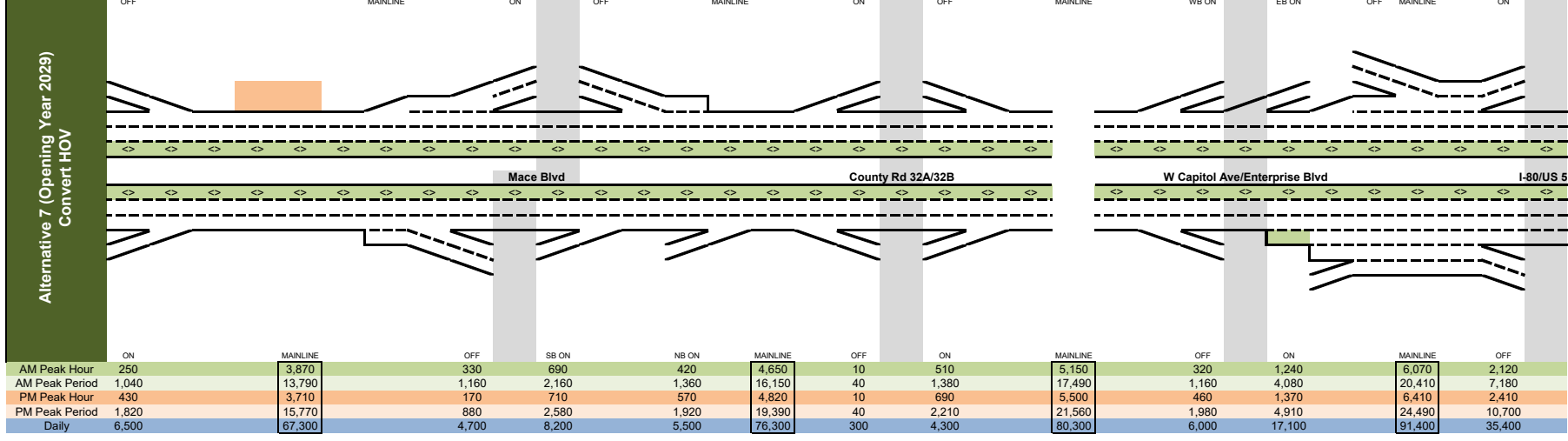
AM Peak Hour	42	220	4,640	30	60	4,670	1,370	440	890	370	4,120	500
AM Peak Period	43	570	16,060	90	150	16,120	4,150	1,260	2,570	1,380	14,660	1,910
PM Peak Hour	44	130	4,610	50	80	4,640	1,600	330	470	560	3,740	460
PM Peak Period	45	480	17,630	170	230	17,690	5,170	1,040	2,370	2,140	15,990	2,040
Daily	46	2,000	71,100	600	800	71,300	15,900	4,400	9,600	8,000	68,600	7,800

AM Peak Hour	47	210	5,070	40	70	5,100	1,010	50	1,140	560	5,740	550
AM Peak Period	48	630	19,480	80	190	19,590	2,980	250	4,200	1,930	22,490	2,000
PM Peak Hour	49	170	4,400	20	40	4,420	870	210	1,060	350	4,750	730
PM Peak Period	50	690	15,370	50	150	15,470	3,270	680	4,220	1,090	16,830	2,760
Daily	51	2,700	81,260	300	800	81,760	12,000	1,700	14,400	5,200	87,660	8,840

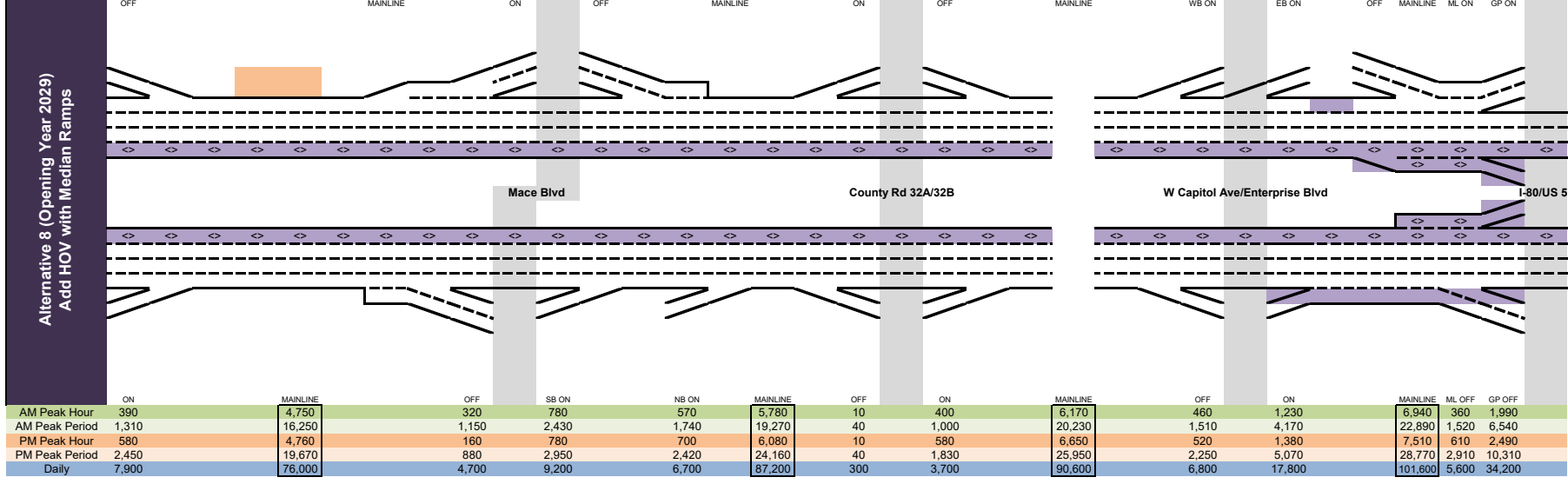


AM Peak Hour	47	220	4,700	30	60	4,730	1,100	390	1,110	420	4,770	410
AM Peak Period	48	570	16,230	90	150	16,290	3,350	1,120	3,250	1,550	16,620	1,680
PM Peak Hour	49	130	4,760	50	80	4,790	1,040	330	570	630	4,620	440
PM Peak Period	50	480	18,120	170	230	18,180	3,520	1,010	3,050	2,480	19,180	1,960
Daily	51	2,100	72,200	600	800	72,400	12,900	4,100	11,200	8,700	75,300	7,200

AM Peak Hour	780	5,170	490	850	5,530	10	680	6,200	600	370	940	6,170	2,690
AM Peak Period	3,820	21,920	1,770	3,080	23,230	70	1,530	24,690	1,600	990	3,470	25,570	10,670
PM Peak Hour	480	4,100	410	1,130	4,820	40	510	5,290	270	160	810	5,670	2,650
PM Peak Period	1,900	14,330	1,590	4,080	16,820	80	1,800	18,540	1,090	540	3,260	20,170	9,210
Daily	8,880	80,100	6,400	13,000	86,700	300	4,400	90,800	4,400	2,100	15,300	99,600	44,400



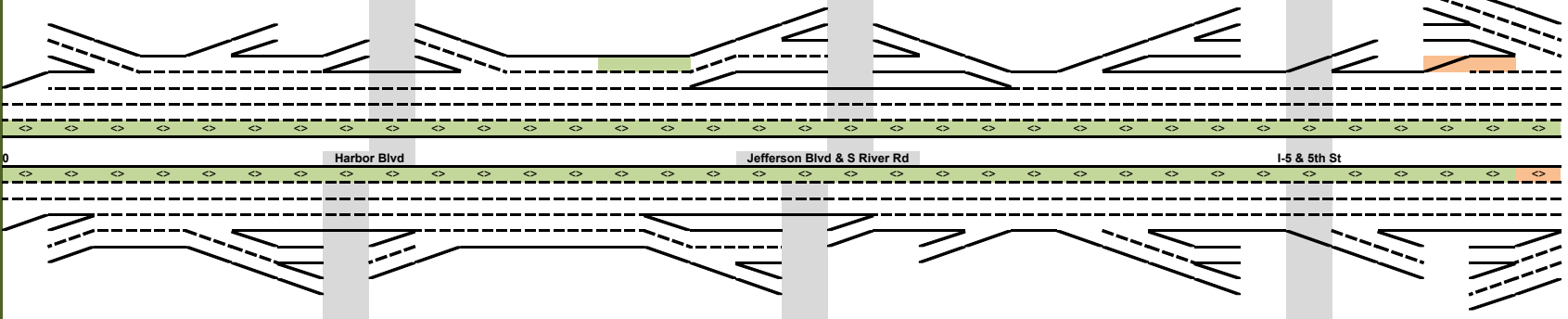
AM Peak Hour	990	6,180	480	1,160	6,860	10	460	7,310	600	370	950	7,290	570	2,930
AM Peak Period	4,580	25,070	1,710	4,300	27,660	70	1,190	28,780	1,610	1,080	3,520	29,610	2,390	11,010
PM Peak Hour	620	4,640	390	1,430	5,680	40	300	5,940	260	230	840	6,290	670	2,380
PM Peak Period	2,390	16,460	1,560	5,310	20,210	80	1,260	21,390	1,090	730	2,780	22,350	2,520	8,200
Daily	10,490	89,310	6,300	16,900	99,910	300	3,100	102,710	4,500	3,400	16,400	111,210	7,370	42,240



AM Peak Hour	1,350	4,830	220	540	1,760	5,830	250	450	850	810	6,790	200	1,490	250	710	2,680
AM Peak Period	4,190	19,090	800	1,470	6,360	23,180	950	1,550	3,400	2,730	26,810	1,080	5,780	780	2,770	9,960
PM Peak Hour	1,600	4,620	340	550	2,050	5,780	400	810	850	850	6,270	500	730	450	1,830	1,820
PM Peak Period	5,280	16,240	880	3,350	7,020	19,030	830	1,020	3,400	3,360	23,940	1,790	2,400	1,500	6,680	7,440
Daily	18,300	73,500	3,900	4,500	21,200	86,300	4,000	5,100	17,900	11,800	106,900	4,500	17,400	3,700	17,700	38,700

OFF MAINLINE SB ON NB ON OFF MAINLINE JEFF ON TBG ON JEFF OFF S RIV OFF MAINLINE SB ON NB ON 5TH ON SB OFF NB OFF

Alternative 7 (Opening Year 2029)  
Convert HOV



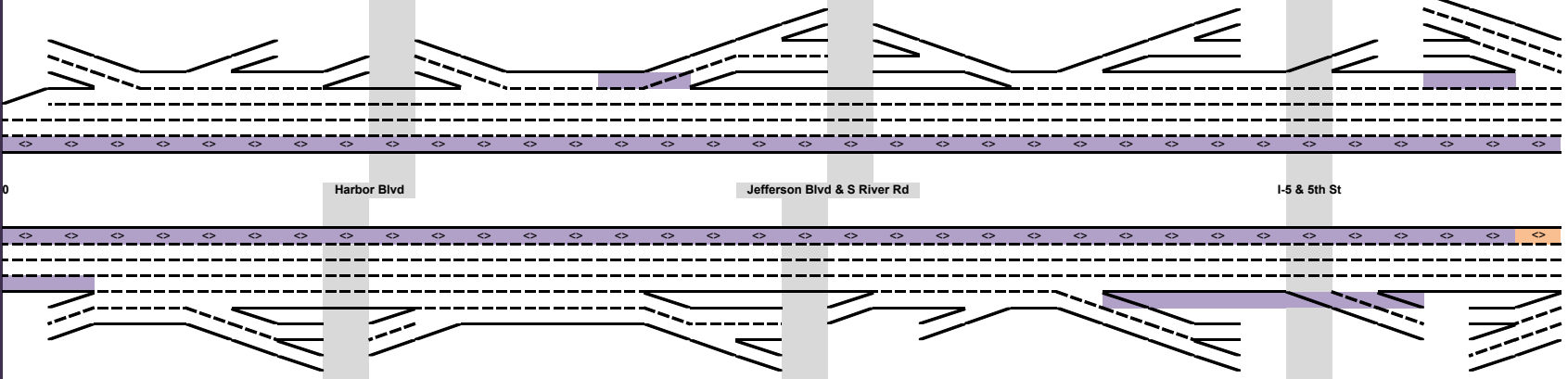
AM Peak Hour	1,290	5,240	160	680	1,020	5,420	300	620	1,780	1,050	7,330	880	200	720	2,560	1,990
AM Peak Period	4,160	17,390	750	2,340	3,630	17,930	1,240	2,110	5,880	3,280	23,740	3,050	830	2,170	9,530	6,380
PM Peak Hour	1,910	5,910	230	690	1,370	6,360	580	770	1,640	870	7,520	1,410	90	1,210	2,040	1,000
PM Peak Period	6,240	20,030	810	2,460	5,290	22,050	2,020	2,350	6,220	3,270	27,170	6,130	560	4,050	8,570	4,120
Daily	18,300	74,300	2,600	9,100	18,800	81,400	5,400	6,500	23,300	11,600	104,400	17,700	3,900	9,800	40,600	18,000

ON MAINLINE SB OFF NB OFF ON MAINLINE JEFF OFF TBG OFF JEFF ON S RIV ON MAINLINE SB OFF NB OFF 5TH OFF SB ON NB ON

AM Peak Hour	1,370	5,160	230	570	1,840	6,200	260	300	850	850	7,340	230	1,620	310	720	2,680
AM Peak Period	4,240	20,450	870	1,510	6,550	24,620	960	1,120	3,400	2,790	28,730	1,070	6,240	1,050	2,760	9,960
PM Peak Hour	1,720	4,960	330	430	2,250	6,450	420	810	850	850	6,920	490	900	520	1,830	1,820
PM Peak Period	5,520	17,150	1,090	1,500	7,780	22,340	1,290	2,430	3,400	3,140	25,160	1,790	2,750	1,490	6,680	7,440
Daily	18,600	80,200	4,000	4,500	21,500	93,200	4,100	4,800	17,900	12,200	114,400	5,500	18,300	4,600	17,500	38,700

OFF MAINLINE SB ON NB ON OFF MAINLINE JEFF ON TBG ON JEFF OFF S RIV OFF MAINLINE SB ON NB ON 5TH ON SB OFF NB OFF

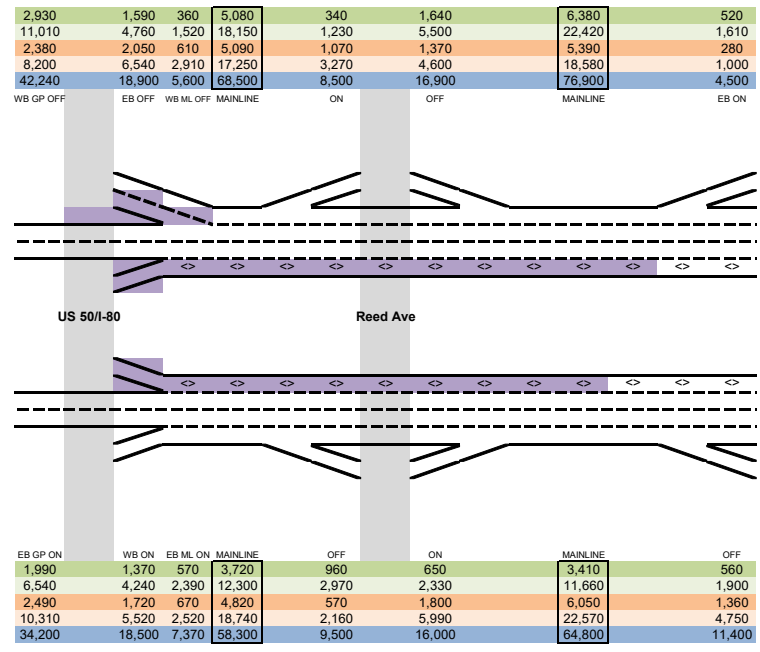
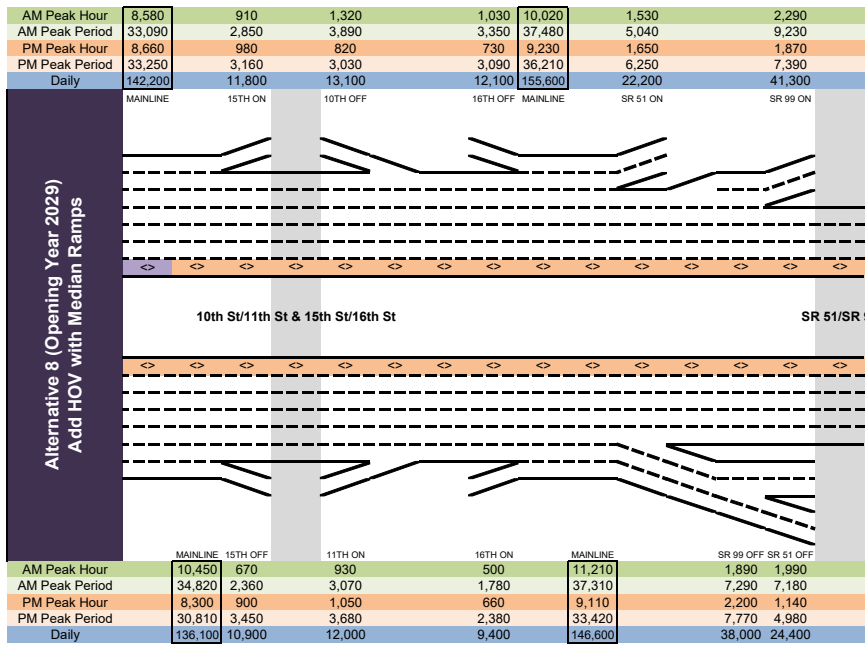
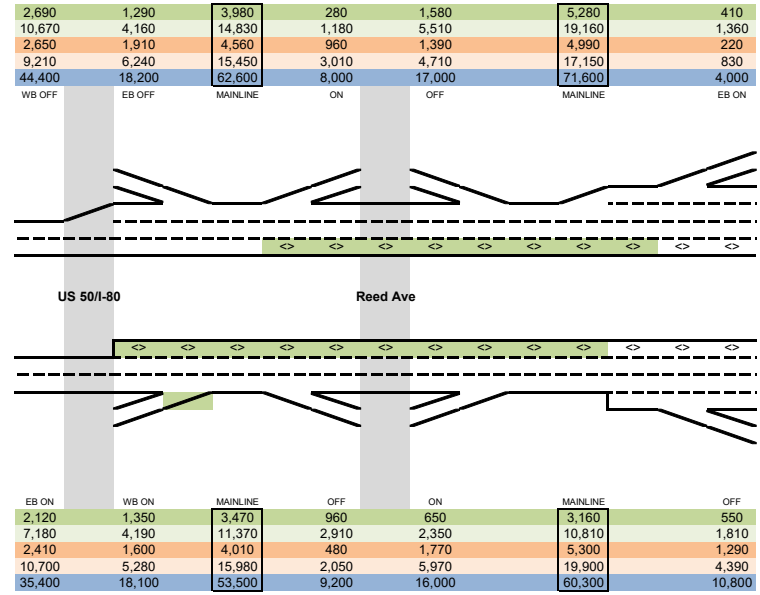
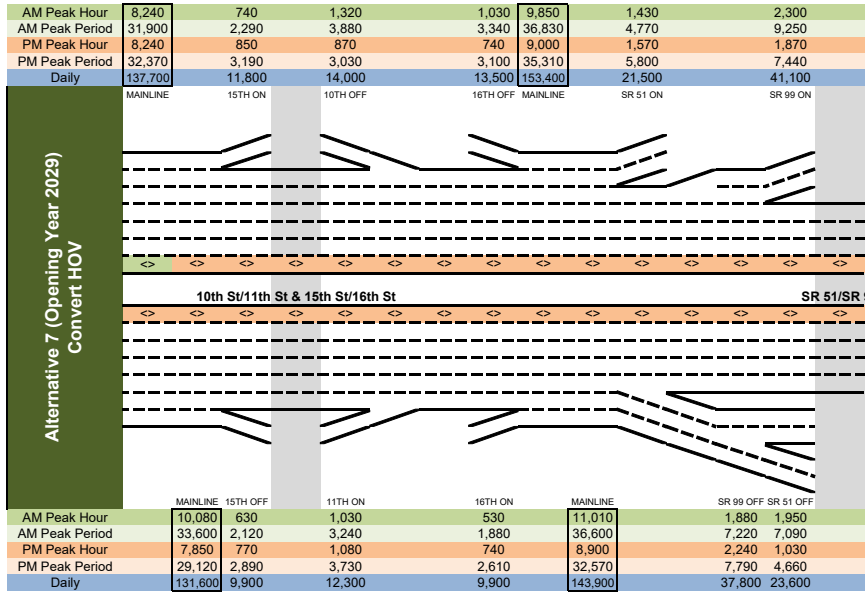
Alternative 8 (Opening Year 2029)  
Add HOV with Median Ramps



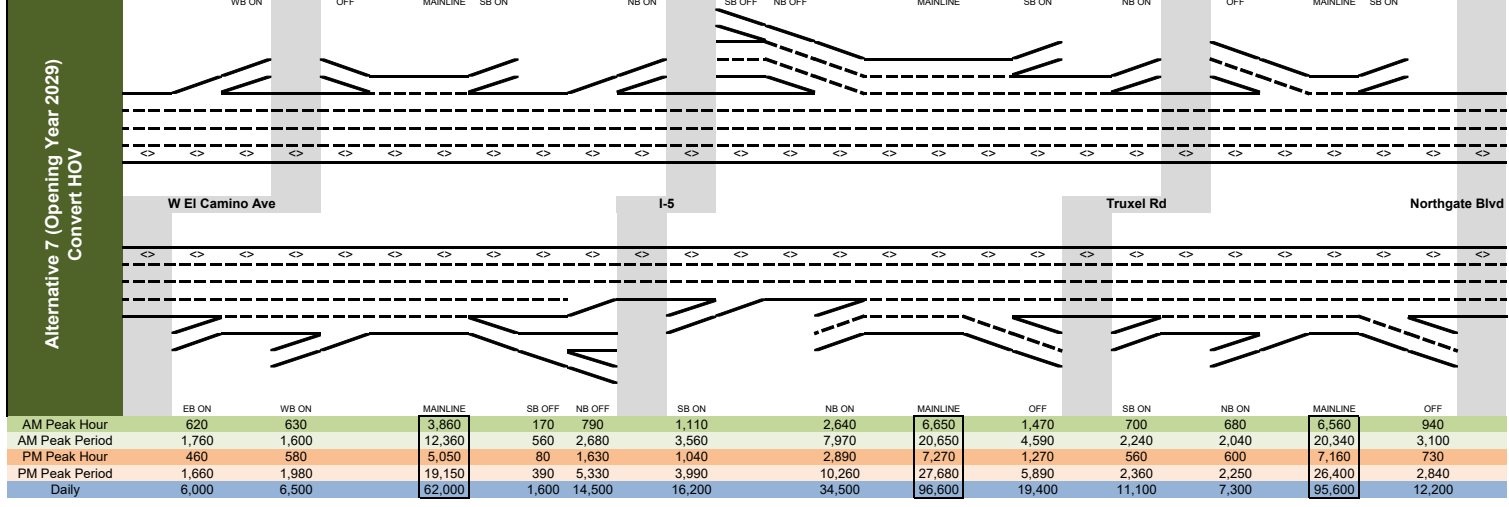
AM Peak Hour	1,590	6,180	220	710	1,060	6,310	380	860	1,730	1,050	7,850	890	270	760	2,520	2,000
AM Peak Period	4,760	19,590	540	2,380	3,750	20,420	1,370	2,340	5,790	3,240	25,740	3,240	1,210	2,280	9,400	6,410
PM Peak Hour	2,050	6,460	210	700	1,450	7,000	590	810	1,600	870	8,270	1,450	260	1,240	2,010	970
PM Peak Period	6,540	22,090	740	2,480	5,480	24,350	2,040	1,730	6,110	3,230	29,920	6,420	1,280	4,140	8,720	4,010
Daily	20,300	82,100	2,400	9,200	19,100	89,600	5,800	6,300	23,200	11,300	112,000	18,600	5,500	10,100	40,300	18,000

ON MAINLINE SB OFF NB OFF ON MAINLINE JEFF OFF TBG OFF JEFF ON S RIV ON MAINLINE SB OFF NB OFF 5TH OFF SB ON NB ON

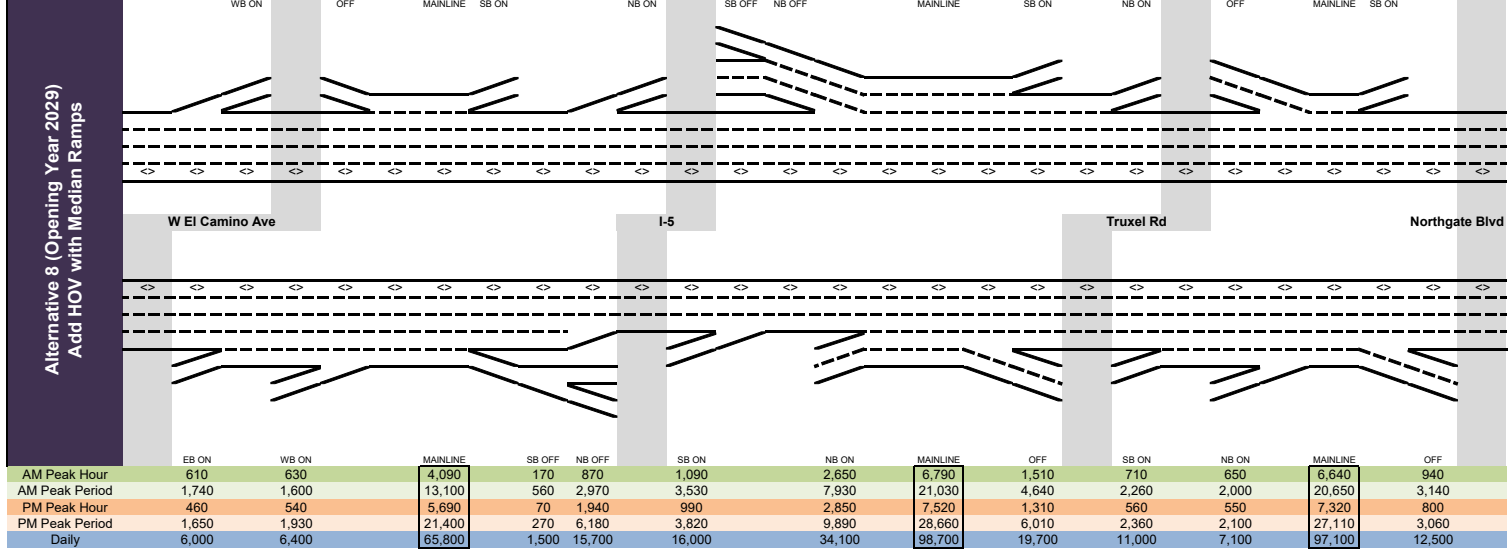


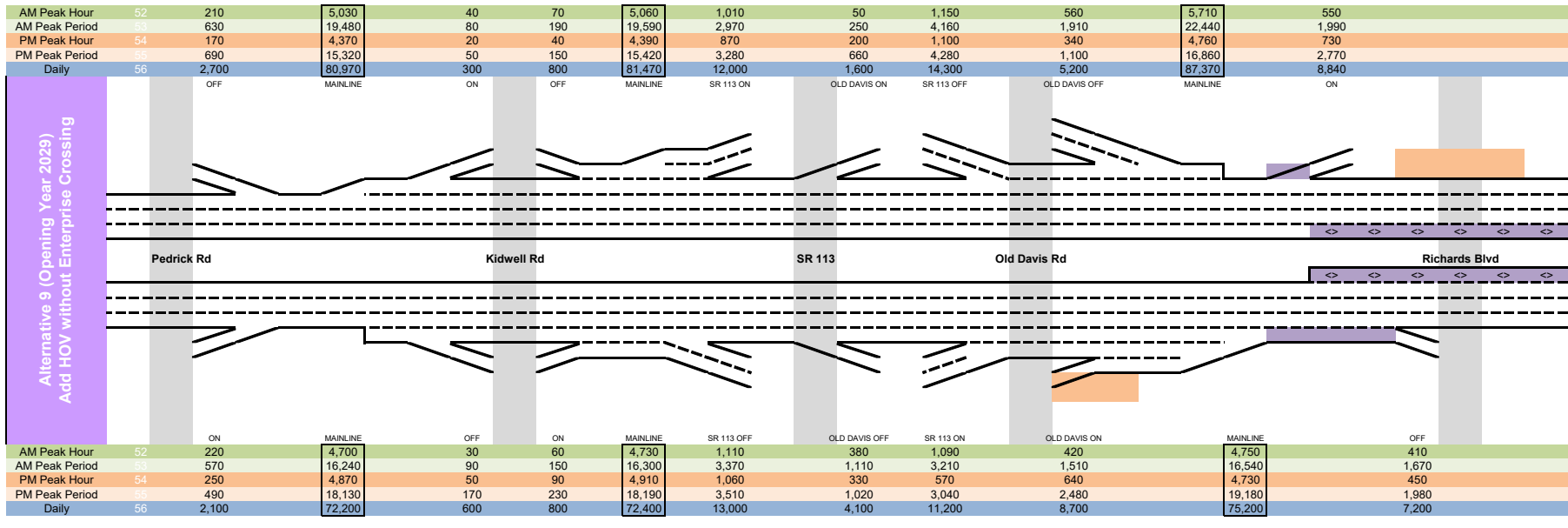


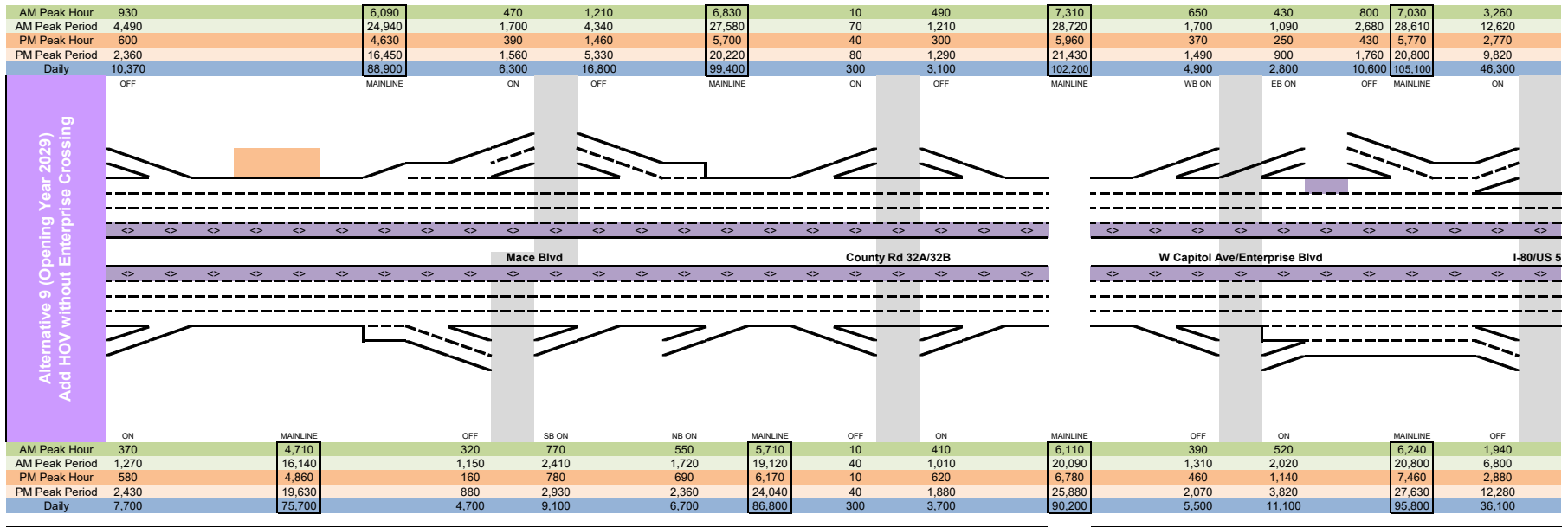
AM Peak Hour	330	920	5,460	1,060	80	2,870	1,110	8,300	1,210	360	1,250	7,980	440
AM Peak Period	1,240	2,550	19,110	3,420	360	9,520	4,040	28,890	3,800	1,250	3,890	27,730	1,690
PM Peak Hour	450	580	4,900	1,190	270	2,320	1,380	7,140	1,200	210	1,350	7,080	720
PM Peak Period	1,540	2,130	16,910	4,040	800	8,360	5,340	25,770	4,230	880	5,270	25,930	2,370
Daily	4,900	8,300	71,000	14,400	2,000	33,400	20,100	108,100	15,500	4,400	17,500	105,700	7,700



AM Peak Hour	450	850	6,260	1,370	90	2,850	1,090	8,740	1,310	400	1,210	8,240	640
AM Peak Period	1,380	2,400	21,830	4,530	380	9,400	4,000	30,320	4,150	1,310	3,750	28,610	2,040
PM Peak Hour	440	570	5,240	1,320	260	2,310	1,340	7,310	1,250	210	1,340	7,190	760
PM Peak Period	1,510	2,130	18,200	4,600	800	8,600	5,200	26,600	4,440	880	5,200	26,480	2,500
Daily	5,200	8,200	75,400	15,800	2,100	33,200	20,000	110,700	16,000	4,500	17,200	107,400	8,100





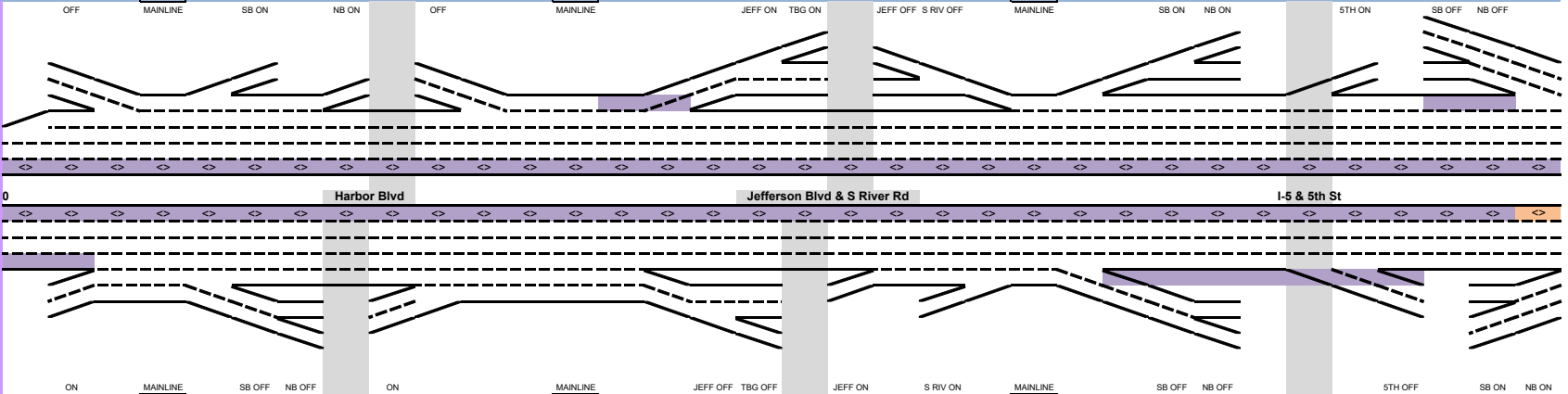


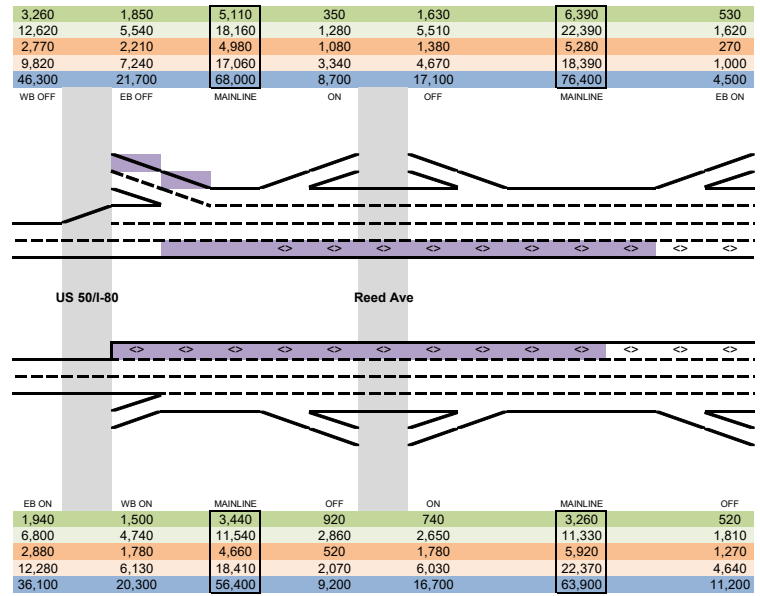
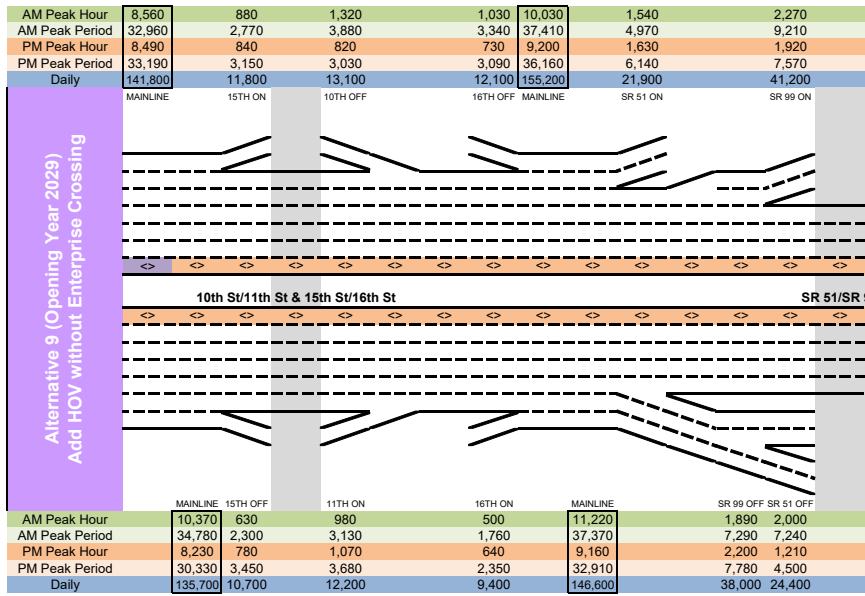
	1,500	5,270	230	610	1,830	6,260	300	310	850	850	7,350	230	1,650	300	710	2,680
AM Peak Hour	1,500	5,270	230	610	1,830	6,260	300	310	850	850	7,350	230	1,650	300	710	2,680
AM Peak Period	4,740	20,730	840	1,820	6,600	24,670	1,060	1,140	3,400	2,770	28,640	1,080	6,280	1,030	2,760	9,950
PM Peak Hour	1,780	4,780	320	650	2,270	6,080	390	720	850	850	6,670	490	840	490	1,820	1,820
PM Peak Period	6,130	17,110	1,070	1,900	8,160	22,300	1,320	2,500	3,400	3,310	25,190	1,880	2,760	1,480	6,680	7,440
Daily	20,300	79,100	4,000	6,400	23,200	91,900	4,200	4,700	18,600	12,300	113,900	5,600	18,400	4,500	17,700	38,700
	OFF	MAINLINE	SB ON	NB ON	OFF	MAINLINE	JEFF ON	TBG ON	JEFF OFF	S RIV OFF	MAINLINE	SB ON	NB ON	5TH ON	SB OFF	NB OFF

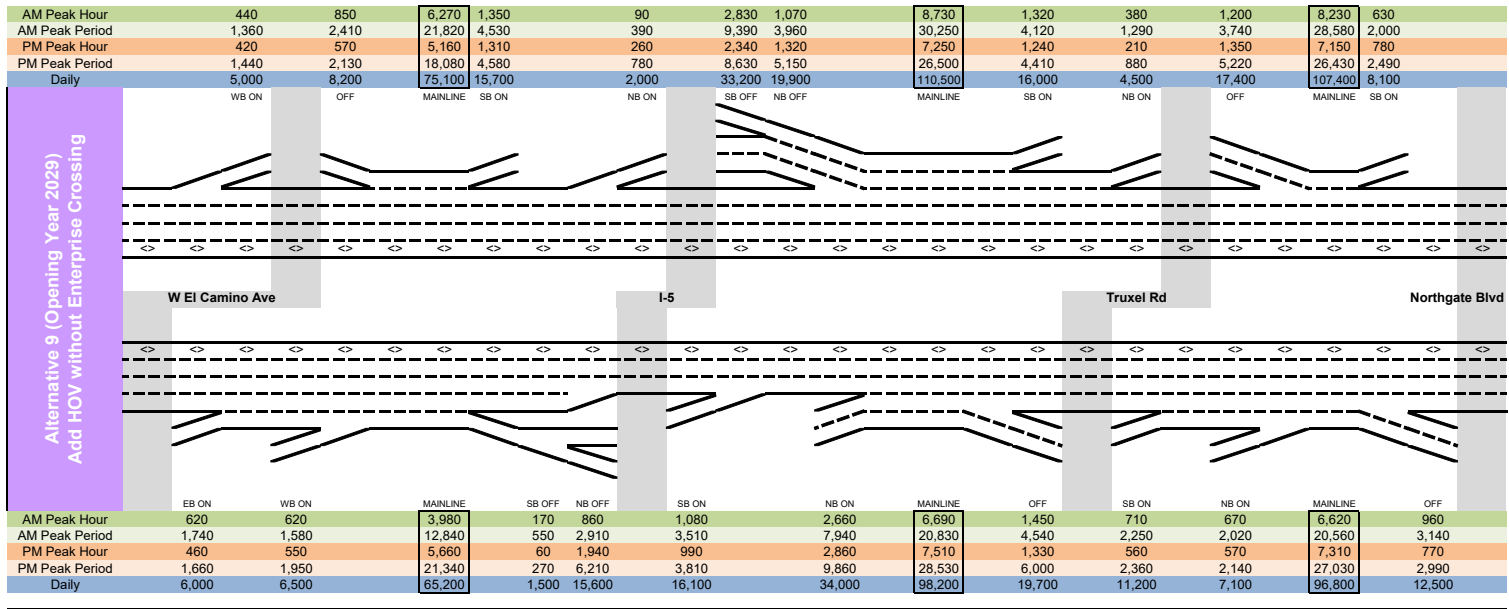
  

	1,850	6,150	350	710	1,030	6,120	400	770	1,840	1,050	7,840	880	310	790	2,520	1,990
AM Peak Hour	1,850	6,150	350	710	1,030	6,120	400	770	1,840	1,050	7,840	880	310	790	2,520	1,990
AM Peak Period	5,540	19,540	1,180	2,390	3,890	19,860	1,460	2,160	6,010	3,330	25,580	3,160	1,180	2,290	9,390	6,440
PM Peak Hour	2,210	6,790	310	700	1,320	7,100	680	580	1,570	870	8,280	1,490	270	1,250	1,990	970
PM Peak Period	7,240	22,590	1,010	2,480	5,210	24,310	2,320	1,660	6,180	3,260	29,770	6,440	1,290	4,150	8,410	4,030
Daily	22,600	82,300	4,700	9,200	19,900	88,300	6,100	5,800	23,800	11,400	111,600	18,500	5,500	10,100	40,200	18,000
	ON	MAINLINE	SB OFF	NB OFF	ON	MAINLINE	JEFF OFF	TBG OFF	JEFF ON	S RIV ON	MAINLINE	SB OFF	NB OFF	5TH OFF	SB ON	NB ON

Alternative 9 (Opening Year 2029)  
Add HOV without Enterprise Crossing







ID	Direction	Route	Total Demand Volume	Type	Description	2019 Existing					2019 Alternative 1 (No Build)					2019 Alternative 2 (Add HOV)					2019 Alternative 3 (Add HOT+)					2019 Alternative 4 (Add HOT+)					2019 Alternative 5 (Add Toll)				
						AM	PM	PPM	PM	Daily	AM	PM	PPM	PM	Daily	AM	PM	PPM	PM	Daily	AM	PM	PPM	PM	Daily	AM	PM	PPM	PM	Daily	AM	PM	PPM	PM	Daily
1	EB	I-80	Mainline	Pedrick Rd Off to On	4,320	15,000	4,447	17,050	67,188	4,410	15,580	4,550	17,930	69,600	4,480	15,660	4,620	18,160	70,100	4,490	15,670	4,630	18,180	70,100	4,480	15,660	4,640	18,160	70,100	4,480	15,660	4,630	18,160	70,100	
2	EB	I-80	Ramp	Pedrick Rd On	211	566	124	470	1,999	220	570	130	480	2,000	220	570	130	480	2,000	220	570	130	480	2,000	220	570	130	480	2,000	220	570	130	480		
3	EB	I-80	Mainline	Pedrick Rd to Kidwell Rd	4,630	15,000	4,571	17,020	69,187	4,600	15,650	4,680	17,870	71,600	4,670	16,230	4,750	18,160	72,100	4,710	16,240	4,770	18,160	72,200	4,700	16,230	4,780	18,140	72,200	4,700	16,230	4,770	18,160		
4	EB	I-80	Ramp	Kidwell Rd Off	27	88	48	161	501	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170		
5	EB	I-80	Mainline	Kidwell Rd to SR 113	4,504	15,518	4,523	17,359	68,686	4,600	16,060	4,630	17,700	71,000	4,670	16,140	4,700	17,960	71,600	4,680	16,150	4,720	17,990	71,600	4,670	16,140	4,730	17,970	71,600	4,670	16,140	4,710	17,960		
6	EB	I-80	Ramp	Kidwell Rd On	51	145	73	229	793	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230		
7	EB	I-80	Mainline	Kidwell Rd to SR 113	4,555	15,663	4,596	17,588	69,479	4,660	16,210	4,710	17,930	71,800	4,730	16,290	4,780	18,190	72,400	4,740	16,300	4,800	18,220	72,400	4,730	16,290	4,810	18,200	72,400	4,730	16,290	4,790	18,200		
8	EB	I-80	Ramp	SR 113 Off	1,011	3,095	1,439	4,538	13,200	1,130	3,640	1,440	4,710	14,100	1,100	3,350	1,430	3,580	13,000	1,200	3,570	1,440	4,710	14,100	1,190	3,340	1,460	4,720	14,100	1,190	3,340	1,460	4,720		
9	EB	I-80	Mainline	SR 113 Off to Old Davis Rd Off	3,544	12,568	3,157	13,050	56,279	3,530	12,570	3,270	13,220	57,100	3,630	12,940	3,710	14,610	59,400	3,660	13,000	3,810	14,820	59,600	3,640	12,960	3,750	14,740	59,500	3,650	12,990	3,780	14,700	59,500	
10	EB	I-80	Ramp	SR Old Davis Off	353	1,024	328	1,008	3,782	390	1,180	330	1,030	4,300	400	1,130	330	1,010	4,100	380	1,110	330	1,020	4,100	380	1,110	330	1,010	4,100	380	1,110	330	1,010	4,100	
11	EB	I-80	Mainline	SR Old Davis Off to SR 113 On	3,191	11,544	2,829	12,042	52,497	3,140	11,390	2,940	12,190	52,800	3,230	11,810	3,380	13,630	55,300	3,270	11,850	3,480	13,830	55,500	3,260	11,840	3,420	13,730	55,400	3,270	11,880	3,450	13,680	55,400	
12	EB	I-80	Ramp	SR 113 On	879	2,542	551	1,878	5,879	910	2,680	400	2,230	9,300	1,030	3,250	590	3,060	11,500	1,110	3,290	590	2,960	11,100	1,100	3,080	550	2,860	10,700	1,100	3,080	550	2,860		
13	EB	I-80	Mainline	SR Old Davis Rd to Old Davis Rd	4,070	14,086	3,188	13,013	60,283	4,050	14,070	3,180	12,990	60,100	4,120	14,520	3,250	13,630	61,600	4,180	14,530	3,300	13,670	61,600	4,170	14,520	3,310	13,660	61,600	4,170	14,520	3,310	13,660		
14	EB	I-80	Ramp	Old Davis Rd Off	365	1,300	548	2,038	6,837	400	1,390	580	2,190	8,700	420	1,530	640	2,490	8,700	420	1,520	640	2,470	8,700	420	1,500	620	2,420	8,500	410	1,460	610	2,380		
15	EB	I-80	Mainline	Old Davis Rd to Richards Blvd	4,435	15,386	3,728	15,958	67,917	4,450	15,460	3,920	16,600	69,900	4,740	16,590	4,610	19,500	75,200	4,800	16,660	4,710	20,390	75,300	4,730	16,640	4,590	19,010	74,600	4,660	16,250	4,560	17,870	74,100	
16	EB	I-80	Ramp	Richards Blvd Off	389	1,649	422	1,829	7,064	430	1,760	470	2,050	7,500	400	1,660	440	1,970	7,200	400	1,650	440	1,970	7,100	410	1,670	440	2,000	7,200	410	1,670	440	2,000		
17	EB	I-80	Mainline	Richards Blvd to On	4,046	13,737	3,306	14,129	60,846	4,020	13,700	3,450	14,550	62,400	4,340	14,930	4,170	17,180	68,000	4,400	15,010	4,270	17,260	68,200	4,320	14,760	4,150	17,010	67,400	4,250	14,580	4,120	16,970		
18	EB	I-80	Ramp	Richards Blvd On	242	903	375	1,507	5,484	300	1,030	400	1,590	6,200	380	1,280	590	2,450	9,700	380	1,290	580	2,440	9,700	360	1,250	530	2,160	7,500	340	1,190	480	2,070		
19	EB	I-80	Mainline	Richards Blvd to Mace Blvd	4,288	14,640	3,681	15,636	66,330	4,320	14,730	3,850	16,140	68,600	4,720	16,210	4,750	19,630	75,900	4,780	16,300	4,850	19,700	76,100	4,680	16,010	4,680	17,100	74,900	4,590	15,770	4,680	16,850		
20	EB	I-80	Ramp	Mace Blvd Off	314	1,144	153	871	4,667	320	1,150	160	880	4,700	320	1,150	160	880	4,700	320	1,150	160	880	4,700	320	1,150	160	880	4,700	320	1,150	160	880		
21	EB	I-80	Mainline	Mace Blvd Off to SB On	3,974	13,496	3,528	14,765	61,663	4,000	13,580	3,690	15,260	63,900	4,400	15,060	4,600	18,750	71,200	4,460	15,150	4,690	18,820	71,400	4,360	14,860	4,520	18,290	70,200	4,270	14,620	4,440	17,980		
22	EB	I-80	Ramp	Mace Blvd SB On	680	2,065	641	2,311	7,222	700	2,250	670	2,490	8,100	780	2,420	790	2,960	9,200	790	2,420	790	2,950	9,200	780	2,430	850	3,100	9,300	770	2,360	890	3,240		
23	EB	I-80	Mainline	Mace Blvd SB On to NB On	4,564	15,561	4,169	17,076	68,885	4,740	15,830	4,360	17,750	72,000	5,180	17,480	5,390	21,710	80,400	5,250	17,550	5,460	21,770	80,600	5,140	17,290	5,370	21,390	79,500	5,040	16,980	5,330	21,220		
24	EB	I-80	Ramp	Mace Blvd NB On	405	1,345	521	1,667	4,889	520	1,530	530	1,680	5,200	560	1,760	700	2,390	6,700	550	1,710	580	2,360	6,700	550	1,680	690	2,260	6,200	510	1,460	710	2,390		
25	EB	I-80	Mainline	Enterprise Blvd to Chiles Rd	5,059	16,266	4,680	18,433	73,744	5,020	16,230	4,890	19,430	77,600	5,290	16,900	5,080	20,400	80,900	5,360	16,970	5,060	20,470	81,200	5,680	18,970	6,020	23,650	85,700	5,690	18,940	6,040	23,640		
26	EB	I-80	Ramp	Chiles Rd Off	7	36	9	36	200	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	300			
27	EB	I-80	Mainline	Chiles Rd Off to On	5,052	16,870	4,681	18,707	73,574	5,250	17,320	4,880	19,390	76,900	5,730	19,220	6,100	24,060	86,900	5,990	19,220	6,100	24,090	86,900	5,680	18,930	6,050	23,610	85,400	5,540	18,400	6,030	23,570		
28	EB	I-80	Ramp	Chiles Rd On	299	734	633	2,036	7,395	304	850	670	2,210	4,200	420	1,050	620	1,910	3,800	440	1,050	670	1,960	3,800	450	1,160	620	2,030	4,200	590	1,580	670	2,020		
29	EB	I-80	Mainline	Chiles Rd to Enterprise Blvd	5,351	17,604	5,314	20,743	77,369	5,590	18,170	5,550	21,600	81,100	6,150	20,520	6,700	25,970	90,600	6,230	20,270	6,800	26,050	90,700	6,130	20,090	6,670	25,640	89,600	6,130	19,980	6,700	25,500		
30	EB	I-80	Ramp	Enterprise Blvd On	302	1,016	423	1,710	4,625	400	1,350	450	1,940	6,200	460	1,550	530	2,210	6,800	450	1,540	530	2,250	6,800	450	1,530	540	2,250	6,800	440	1,530	550	2,290		
31	EB	I-80	Mainline	Enterprise Blvd Off to On	5,049	16,588	4,891	19,033	72,744	5,190	16,620	5,100	19,660	74,900	5,690	18,700	6,130	23,760	83,900	5,780	18,730	6,270	23,800	83,900	5,680	18,560	6,230	23,390	82,800	5,690	18,560	6,230	23,390		
32	EB	I-80	Ramp	Enterprise Blvd On	494	1,908	988	3,281	10,513	1,180	3,870	1,350	4,700	16,000	1,230	4,100	1,880	4,990	17,700	1,270	4,070	1,370	4,920	17,500	1,220	4,070	1,370	4,850	17,400	1,230	4,060	1,360	4,960		
33	EB	I-80	Mainline	Enterprise Blvd to US 50	5,543	18,496	5,879	22,314	83,256	6,370	20,690	6,450	24,360	90,900	6,920	22,820	7,550	28,750	101,500	7,050	22,800	7,640	28,720	101,400	6,900	22,630	7,500	28,250	100,200	6					



Total Demand Volume			2019 Existing							2019 Alternative 1 (No Build)							2019 Alternative 2 (Add HOV)							2019 Alternative 3 (Add HOT2+)							2019 Alternative 4 (Add HOT3+)							2019 Alternative 5 (Add Toll)						
ID	Direction	Route	Type	Description	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily					
106	WB	US 50	Ramp	16th St Off	1,021	3,302	723	3,073	12,041	1,030	3,340	730	3,090	12,100	1,030	3,340	730	3,090	12,100	1,030	3,350	730	3,090	12,100	1,030	3,340	730	3,090	12,100	1,030	3,340	730	3,090	12,100	1,030	3,340	730	3,090	12,100					
107	WB	US 50	Mainline	16th St Off to 10th St Off	8,588	33,382	7,956	30,932	124,616	8,720	32,915	8,060	31,580	137,800	9,000	34,110	8,440	32,660	143,100	9,220	34,660	8,460	33,020	142,800	8,990	33,940	8,410	32,830	142,600	9,000	33,940	8,350	32,830	142,600	9,000	33,940	8,350	32,830	142,600					
108	WB	US 50	Ramp	10th St Off	1,312	3,829	813	3,017	12,017	1,320	3,890	820	3,030	13,600	1,320	3,880	820	3,030	13,100	1,320	3,890	820	3,030	13,600	1,320	3,880	820	3,030	13,600	1,320	3,880	820	3,030	13,600	1,320	3,880	820	3,030	13,600					
109	WB	US 50	Mainline	10th St Off to 15th St On	7,276	27,551	7,143	27,915	121,059	7,400	29,020	7,260	28,550	124,200	7,680	30,230	7,660	30,030	130,000	7,700	30,180	7,640	29,990	129,800	7,670	30,060	7,590	29,800	129,400	7,680	30,050	7,530	29,630	129,300	7,680	30,050	7,530	29,630	129,300					
110	WB	US 50	Ramp	15th St On	716	2,281	843	3,157	11,698	700	2,430	850	3,100	11,800	900	2,770	900	3,160	11,800	900	2,770	900	3,160	11,800	900	2,770	900	3,160	11,800	900	2,770	900	3,160	11,800	900	2,770	900	3,160	11,800					
111	WB	US 50	Mainline	15th St to I-5	7,992	29,832	7,986	31,072	132,757	8,130	31,450	8,110	31,700	136,000	8,580	33,000	8,650	33,190	141,800	8,600	32,960	8,640	33,160	141,600	8,570	32,830	8,430	32,980	141,200	8,570	32,770	8,380	32,790	141,100	8,570	32,770	8,380	32,790	141,100					
112	WB	US 50	Ramp	I-5 Off	3,378	12,500	3,624	14,092	57,390	3,390	12,710	3,630	14,420	58,400	3,400	12,710	3,630	14,420	58,400	3,400	12,710	3,630	14,420	58,400	3,400	12,710	3,630	14,420	58,400	3,400	12,710	3,630	14,420	58,400	3,400	12,710	3,630	14,420	58,400					
113	WB	US 50	Ramp	I-5 NB Off	2,671	9,799	1,808	7,401	38,613	2,680	9,950	1,810	7,440	38,700	2,690	9,950	1,810	7,430	38,700	2,690	9,950	1,810	7,440	38,700	2,690	9,950	1,810	7,440	38,700	2,690	9,950	1,810	7,440	38,700	2,690	9,950	1,810	7,440	38,700					
114	WB	US 50	Ramp	I-5 SB Off	407	2,701	1,816	6,691	18,917	410	2,760	1,820	6,680	17,200	420	2,760	1,830	6,670	17,700	420	2,760	1,820	6,680	17,600	420	2,760	1,820	6,680	17,600	420	2,760	1,820	6,680	17,600	420	2,760	1,820	6,680	17,600					
115	WB	US 50	Mainline	I-5 Off to 5th St On	4,614	17,332	4,362	16,980	75,227	4,780	18,740	4,480	17,580	80,100	5,180	20,290	5,010	19,090	85,400	5,200	20,250	5,010	19,040	85,300	5,170	20,120	4,790	18,860	84,900	5,170	20,060	4,730	18,870	84,600	5,170	20,060	4,730	18,870	84,600					
116	WB	US 50	Ramp	5th St On	242	752	441	1,471	3,681	270	900	440	1,470	3,700	310	1,050	510	1,490	4,600	300	1,020	520	1,480	4,600	310	1,040	490	1,480	4,600	310	1,040	490	1,480	4,600	310	1,040	490	1,480	4,600					
117	WB	US 50	Mainline	5th St On to I-5 On	4,856	18,784	4,803	18,451	78,508	5,050	19,640	4,920	19,050	83,800	5,490	21,340	5,520	20,580	90,000	5,500	21,270	5,530	20,520	89,900	5,480	21,160	5,280	20,340	89,500	5,480	21,070	5,230	20,150	89,100	5,480	21,070	5,230	20,150	89,100					
118	WB	US 50	Ramp	I-5 NB On	1,065	474	1,261	4,851	19,293	1,060	470	1,260	4,850	19,200	1,070	480	1,260	4,850	19,200	1,070	480	1,260	4,850	19,200	1,070	480	1,260	4,850	19,200	1,070	480	1,260	4,850	19,200	1,070	480	1,260	4,850	19,200					
119	WB	US 50	Ramp	I-5 NB On	1,202	4,843	597	1,726	15,563	1,530	5,900	700	2,130	16,900	1,620	6,250	890	2,810	18,400	1,650	6,290	890	2,850	18,500	1,610	6,200	900	2,620	18,300	1,640	6,250	880	2,750	18,100	1,640	6,250	880	2,750	18,100					
120	WB	US 50	Ramp	I-5 On	1,462	5,908	1,071	3,468	11,646	1,460	6,970	1,190	3,920	22,100	1,850	7,320	1,380	4,620	23,400	1,880	7,370	1,380	4,640	23,800	1,840	7,280	1,400	4,410	23,400	1,840	7,330	1,370	4,540	23,100	1,840	7,330	1,370	4,540	23,100					
121	WB	US 50	Mainline	I-5 to Jefferson Blvd	6,318	23,992	5,874	21,919	100,554	6,790	26,610	6,110	22,970	105,900	7,340	28,660	6,900	25,200	113,900	7,380	28,640	6,910	25,160	113,700	7,310	28,440	6,680	24,750	112,900	7,320	28,400	6,600	24,690	112,200	7,320	28,400	6,600	24,690	112,200					
122	WB	US 50	Ramp	Jefferson Blvd/Delta Ln Off	1,517	5,162	2,215	8,077	29,928	1,650	5,840	1,700	6,630	29,400	1,700	6,220	1,700	6,570	30,000	1,700	6,240	1,700	6,550	30,000	1,700	6,240	1,700	6,550	30,000	1,700	6,240	1,700	6,550	30,000	1,700	6,240	1,700	6,550	30,000					
123	WB	US 50	Ramp	Delta Ln Off	674	1,999	734	2,492	8,150	800	2,560	850	3,170	12,000	850	2,820	850	3,170	12,000	850	2,790	850	3,170	12,000	850	2,790	850	3,170	12,000	850	2,790	850	3,170	12,000	850	2,790	850	3,170	12,000					
124	WB	US 50	Ramp	Jefferson Blvd Off	843	3,163	1,481	5,585	17,778	850	3,280	850	3,400	17,800	850	3,400	850	3,400	18,000	850	3,400	850	3,400	18,000	850	3,400	850	3,400	18,000	850	3,400	850	3,400	18,000	850	3,400	850	3,400	18,000					
125	WB	US 50	Mainline	Jefferson Blvd Off to On	4,801	18,830	3,659	13,842	74,628	5,140	20,770	4,410	16,340	76,500	5,640	22,440	5,200	18,630	83,000	5,680	22,450	5,210	18,610	83,700	5,610	22,240	4,980	18,210	82,800	5,620	22,180	4,900	18,200	82,100	5,620	22,180	4,900	18,200	82,100					
126	WB	US 50	Ramp	Tower Bridge Gateway On	249	915	307	1,088	3,715	260	960	350	1,130	3,900	260	960	410	1,310	4,100	260	960	410	1,290	4,100	260	960	410	1,290	4,100	260	960	410	1,290	4,100	260	960	410	1,290	4,100					
127	WB	US 50	Ramp	Jefferson Blvd Off	151	590	597	1,726	2,883	290	1,060	790	2,210	4,600	300	1,130	790	2,340	4,800	300	1,120	790	2,310	4,800	310	1,160	770	2,340	4,900	320	1,200	760	2,330	4,800	320	1,200	760	2,330	4,800					
128	WB	US 50	Ramp	TBC/Jefferson Blvd	400	1,505	904	2,814	6,598	500	1,980	1,140	3,340	8,500	560	2,090	1,200	3,650	8,900	560	2,080	1,210	3,620	8,900	570	2,120	1,180	3,630	9,000	580	2,150	1,140	3,550	8,800	580	2,150	1,140	3,550	8,800					
129	WB	US 50	Mainline	Jefferson Blvd to Harbor Blvd	5,201	20,335	4,563	16,656	81,224	5,690	22,570	5,550	19,880	85,000	6,200	24,530	6,400	22,280	92,800	6,240	24,580	6,420	22,290	92,600	6,180	24,360	6,160	21,480	91,800	6,200	24,330	6,040	21,550	90,900	6,200	24,330	6,040	21,550	90,900					
130	WB	US 50	Ramp	Harbor Blvd Off	1,700	5,982	1,114	4,151	19,293	1,700	5,982	1,114	4,151	19,293	1,700	5,982	1,114	4,151	19,293	1,700	5,982	1,114	4,151	19,293	1,700	5,982	1,114	4,151	19,293	1,700	5,982	1,114	4,151	19,293	1,700	5,982	1,114	4,151	19,293					
131	WB	US 50	Mainline	Harbor Blvd Off to NB On	3,501	14,353	3,140	11,800	60,420	3,900	16,520	3,500	12,660	64,100	4,350	17,990	4,180	14,590	71,400	4,410	18,020	4,220	14,540	71,300	4,380	17,880	4,050	14,260	70,600	4,390	17,880	3,940	14,170	69,800	4,390	17,880	3,940	14,170	69,800					
132	WB	US 50	Ramp	Harbor Blvd NB On	532	1,496	510	1,756	5,255	520	1,390	440	1,560	4,100	560	1,490	470	1,560	4,600	570	1,500	460	1,530	4,600	570	1,520	450	1,490	4,700	570	1,510	420	1,470	4,500	570	1,510	420	1,470	4,500					
133	WB	US 50	Mainline	Harbor Blvd NB On to SB On	4,033	15,849	3,659																																					

ID	Direction	Route	Total Demand Volume	Type	Description	2019 Existing								2025 Alternative 6 (Add Transit)								2025 Alternative 7 (Convert HOV)								2025 Alternative 8 (Add HOV Med)								2025 Alt 9 (Add HOV no Ent)							
						AM PH	AM PP	PM PH	PM PP	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	PM PP	Daily										
1	EB	I-80	Mainline	Pedrick Rd Off to On	4,320	15,040	4,447	17,050	67,188	4,450	15,570	4,550	17,380	69,600	4,420	15,490	4,480	17,150	69,100	4,480	15,660	4,630	17,640	70,100	4,480	15,670	4,620	17,640	70,100	4,480	15,670	4,620	17,640	70,100											
2	EB	I-80	Ramp	Pedrick Rd On	211	566	124	470	1,999	1,960	570	130	480	2,000	220	570	130	480	2,000	220	570	130	480	2,100	220	570	130	480	2,100	220	570	130	480												
3	EB	I-80	Mainline	Pedrick Rd to Kidwell Rd	4,531	15,046	4,571	17,520	69,187	4,670	16,410	4,680	17,860	71,600	4,640	16,060	4,640	17,150	71,100	4,700	16,230	4,760	18,120	72,200	4,700	16,240	4,760	18,120	72,200	4,700	16,240	4,760	18,120	72,200											
4	EB	I-80	Ramp	Kidwell Rd Off	27	88	48	161	501	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600											
5	EB	I-80	Mainline	Kidwell Rd Off to On	4,504	15,518	4,523	17,359	68,686	4,640	16,050	4,630	17,690	71,000	4,610	15,970	4,560	17,460	70,500	4,670	16,140	4,710	17,950	71,600	4,670	16,150	4,820	17,960	71,600	4,670	16,150	4,820	17,960	71,600											
6	EB	I-80	Ramp	Kidwell Rd On	51	145	73	229	793	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800											
7	EB	I-80	Mainline	Kidwell Rd to SR 113	4,555	15,663	4,596	17,588	69,479	4,700	16,200	4,710	17,920	71,800	4,670	16,120	4,640	17,690	71,300	4,730	16,290	4,790	18,180	72,400	4,730	16,300	4,810	18,200	72,400	4,730	16,300	4,810	18,200	72,400											
8	EB	I-80	Ramp	SR 113 Off	1,011	3,095	1,439	4,538	13,200	1,190	3,660	1,450	4,700	14,600	1,190	3,660	1,450	4,700	14,600	1,190	3,660	1,450	4,700	14,600	1,190	3,660	1,450	4,700	14,600	1,190	3,660	1,450	4,700	14,600											
9	EB	I-80	Mainline	SR 113 Off to Old Davis Rd Off	3,544	12,568	3,157	13,050	56,279	3,510	12,540	3,260	13,220	57,200	3,300	11,970	3,040	12,520	55,400	3,630	12,940	3,750	14,660	59,500	3,620	12,930	3,850	14,680	59,400	3,620	12,930	3,850	14,680	59,400											
10	EB	I-80	Ramp	Old Davis Rd Off	353	1,024	328	1,008	3,782	410	1,200	330	1,030	4,300	400	1,260	330	1,040	4,400	390	1,120	330	1,010	3,800	390	1,110	330	1,020	4,100	390	1,110	330	1,020	4,100											
11	EB	I-80	Mainline	Old Davis Rd Off to SR 113 On	3,191	11,544	2,829	12,042	52,497	3,100	11,240	2,930	12,120	52,900	2,860	10,710	2,710	11,480	51,000	3,240	11,820	3,420	13,660	55,400	3,240	11,820	3,520	13,660	55,400	3,240	11,820	3,520	13,660	55,400											
12	EB	I-80	Ramp	SR 113 On	879	2,542	351	1,878	5,579	920	2,790	420	2,340	9,600	890	2,570	470	2,370	9,000	1,110	3,250	570	3,050	11,200	1,090	3,210	570	3,040	11,100	1,090	3,210	570	3,040	11,100											
13	EB	I-80	Mainline	Old Davis Rd to Old Davis Rd On	4,070	14,086	3,160	13,050	61,920	4,020	14,130	3,150	13,050	62,900	4,000	14,020	3,150	13,050	63,900	4,030	14,130	3,150	13,050	64,900	4,030	14,130	3,150	13,050	64,900	4,030	14,130	3,150	13,050	64,900											
14	EB	I-80	Ramp	Old Davis Rd On	365	4,300	548	2,038	6,837	400	4,400	570	2,210	8,000	370	4,380	560	2,140	8,000	420	4,550	630	2,480	8,700	420	4,550	640	2,480	8,700	420	4,550	640	2,480	8,700											
15	EB	I-80	Mainline	Old Davis Rd to Richards Blvd	4,435	15,386	3,728	15,958	67,910	4,420	15,530	3,920	16,740	70,500	4,120	14,660	3,740	15,990	68,600	4,770	16,620	4,620	19,180	75,300	4,750	16,540	4,760	19,180	75,300	4,750	16,540	4,760	19,180	75,300											
16	EB	I-80	Ramp	Richards Blvd Off	389	1,649	422	1,829	7,064	440	1,770	480	2,080	7,600	500	1,910	460	2,040	7,800	410	1,680	440	1,960	7,200	410	1,670	450	1,980	7,200	410	1,670	450	1,980	7,200											
17	EB	I-80	Mainline	Richards Blvd Off to On	4,046	13,737	3,306	14,129	60,846	3,980	13,760	3,440	14,660	62,900	3,620	12,750	3,280	13,950	60,800	4,360	14,940	4,180	17,220	68,100	4,340	14,870	4,280	17,220	68,100	4,340	14,870	4,280	17,220	68,100											
18	EB	I-80	Ramp	Richards Blvd On	242	903	375	1,507	5,484	300	1,100	410	1,690	6,500	250	1,040	430	1,820	6,500	390	1,310	580	2,450	7,900	370	1,270	580	2,450	7,900	370	1,270	580	2,450	7,900											
19	EB	I-80	Mainline	Richards Blvd to Mace Blvd	4,288	14,540	3,681	15,636	66,330	4,280	14,860	3,850	16,350	69,400	3,870	13,790	3,740	15,770	67,300	4,750	16,250	4,760	19,670	76,000	4,710	16,140	4,860	19,630	76,000	4,710	16,140	4,860	19,630	76,000											
20	EB	I-80	Ramp	Mace Blvd Off	314	1,144	153	871	4,667	320	1,150	160	1,300	5,100	330	1,160	170	1,880	4,700	320	1,150	160	1,880	4,700	320	1,150	160	1,880	4,700	320	1,150	160	1,880	4,700											
21	EB	I-80	Mainline	Mace Blvd Off to NB On	3,974	13,496	3,528	14,765	61,663	3,960	13,710	3,690	15,050	64,300	3,540	12,630	3,540	14,890	62,600	4,430	15,100	4,600	18,790	71,300	4,390	14,990	4,700	18,750	71,000	4,390	14,990	4,700	18,750	71,000											
22	EB	I-80	Ramp	Mace Blvd SB On	280	2,065	641	2,311	7,222	750	2,340	730	2,760	8,700	690	2,160	710	2,580	8,200	780	2,430	780	2,950	9,200	770	2,410	780	2,950	9,200	770	2,410	780	2,950	9,200											
23	EB	I-80	Mainline	Mace Blvd SB On to NB On	4,654	15,561	4,169	17,076	68,885	4,710	16,050	4,420	17,810	73,000	4,230	14,790	4,250	17,470	70,800	5,150	17,330	5,380	21,740	80,500	5,160	17,340	5,480	21,680	80,100	5,160	17,340	5,480	21,680	80,100											
24	EB	I-80	Ramp	Mace Blvd NB On	405	1,345	521	1,667	4,889	520	1,570	540	2,000	5,700	420	1,360	570	1,920	5,500	570	1,740	700	2,420	6,700	560	1,720	690	2,360	6,700	560	1,720	690	2,360	6,700											
25	EB	I-80	Mainline	Enterprise Blvd to Chiles Rd	5,059	16,266	4,680	18,733	73,744	5,230	17,620	4,980	19,610	78,700	4,550	16,320	4,830	19,890	79,300	5,780	19,710	6,080	24,820	87,000	5,790	19,720	6,180	24,800	86,800	5,790	19,720	6,180	24,800	86,800											
26	EB	I-80	Ramp	Chiles Rd Off	7	36	9	36	200	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300											
27	EB	I-80	Mainline	Chiles Rd Off to SB On	5,052	16,870	4,681	18,707	73,574	5,220	17,580	4,950	19,770	78,400	4,640	16,110	4,810	19,350	78,400	5,770	19,230	6,070	24,120	86,900	5,700	19,080	6,160	24,000	86,500	5,700	19,080	6,160	24,000	86,500											
28	EB	I-80	Ramp	Chiles Rd On	299	734	633	2,036	3,795	420	1,020	690	2,500	4,700	510	1,380	690	2,210	4,300	400	1,000	580	1,830	3,700	410	1,010	620	1,880	3,700	410	1,010	620	1,880	3,700											
29	EB	I-80	Mainline	Chiles Rd to Enterprise Blvd	5,351	17,604	5,314	20,763	77,369	5,640	18,600	5,640	22,270	83,100	5,150	17,490	5,500	21,560	80,300	6,170	20,320	6,650	25,950	90,600	6,110	20,090	6,780	25,880	90,200	6,110	20,090	6,780	25,880	90,200											
30	EB	I-80	Ramp	Enterprise Blvd Off	302	1,016	423	1,710	4,625	400	1,390	490	2,020	6,300	320	1,160	460	1,980	6,000	460	1,510	520	2,250	6,800	390	1,310	460	2,070	5,500	390	1,310	460	2,070	5,500											
31	EB	I-80	Mainline	Enterprise Blvd Off to On	5,049	16,588	4,891	19,033	72,744	5,240	17,210	5,150	20,250	76,800	4,830	16,330	5,180	19,840	78,300	5,710	19,760	6,190	23,700	83,800	5,720	19,780	6,290	23,700	83,600	5,720	19,780	6,290	23,700	83,600											
32	EB	I-80	Ramp	Enterprise Blvd On	494	1,908	988	3,281	10,513	1,230	4,050	1,370	4,840	16,800	1,240	4,080	1,370	4,910	17,100	1,230	4,170	1,380	5,070	17,800	1,230	4,170	1,380	5,070	17,800	1,230	4,170	1,380	5,070	17,800											
33	EB	I-80																																											

Total Demand Volume			2019 Existing							2025 Alternative 6 (Add Transit)							2025 Alternative 7 (Convert HOV)							2025 Alternative 8 (Add HOV Med)							2025 Alt 9 (Add HOV no Ent)						
ID	Direction	Route	Type	Description	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily			
106	WB	US 50	Ramp	16th St Off	1,021	3,352	723	3,073	12,241	1,030	3,350	730	3,090	12,100	1,030	3,340	740	3,110	12,350	1,030	3,350	730	3,090	12,100	1,030	3,340	730	3,090	12,100	1,030	3,340	730	3,090	12,100			
107	WB	US 50	Mainline	16th St Off to 10th St Off	8,588	33,380	7,956	33,076	8,810	33,330	8,200	32,210	140,900	8,820	33,490	8,260	32,210	139,900	9,000	34,130	8,500	33,120	143,500	9,000	34,070	8,470	33,070	143,100	9,000	34,070	8,470	33,070	143,100				
108	WB	US 50	Ramp	10th St Off	1,312	3,829	813	3,017	12,017	1,320	3,890	820	3,030	14,400	1,320	3,880	870	3,030	14,400	1,320	3,890	820	3,030	14,400	1,320	3,880	820	3,030	13,300	1,320	3,880	820	3,030	13,300			
109	WB	US 50	Mainline	10th St Off to 15th St On	7,276	27,551	7,143	27,915	121,059	7,490	29,440	7,380	28,980	126,500	7,500	29,610	7,390	29,180	125,900	7,670	30,240	7,680	30,090	130,400	7,680	30,190	7,650	30,040	130,000	7,680	30,190	7,650	30,040	130,000			
110	WB	US 50	Ramp	15th St On	716	2,281	843	3,157	11,698	800	2,530	830	3,130	11,800	740	2,290	850	3,190	11,800	910	2,850	980	3,160	11,800	800	2,770	840	3,150	11,800	800	2,770	840	3,150	11,800			
111	WB	US 50	Mainline	15th St to I-5	7,992	29,832	7,986	31,072	132,757	8,290	31,970	8,210	32,110	138,300	8,240	31,900	8,260	32,370	137,200	8,580	33,090	8,660	33,250	142,200	8,560	32,960	8,490	33,190	141,800	8,560	32,960	8,490	33,190	141,800			
112	WB	US 50	Ramp	I-5 Off	3,378	12,500	3,624	14,092	57,390	3,390	12,710	3,640	14,120	56,500	3,390	12,730	3,650	14,120	56,400	3,420	12,720	3,650	14,120	56,200	3,390	12,710	3,640	14,120	56,400	3,390	12,710	3,640	14,120	56,400			
113	WB	US 50	Ramp	I-5 NB Off	2,571	9,799	1,808	7,401	38,613	2,680	9,950	1,820	7,440	38,700	2,680	9,960	1,820	7,440	38,700	2,680	9,960	1,820	7,440	38,700	2,680	9,960	1,820	7,440	38,700	2,680	9,960	1,820	7,440	38,700			
114	WB	US 50	Ramp	I-5 SB Off	707	2,701	1,816	6,691	18,917	710	2,760	1,820	6,680	17,800	710	2,770	1,830	6,680	17,700	720	2,760	1,830	6,680	17,500	710	2,760	1,820	6,680	17,700	710	2,760	1,820	6,680	17,700			
115	WB	US 50	Mainline	I-5 Off to 5th St On	4,614	17,332	4,362	16,980	75,227	4,900	19,260	4,570	17,990	81,800	4,850	19,170	4,590	18,250	81,300	5,180	20,370	5,010	19,130	86,000	5,170	20,250	4,870	19,070	85,400	5,170	20,250	4,870	19,070	85,400			
116	WB	US 50	Ramp	5th St On	242	752	441	1,471	3,681	290	950	440	1,460	3,700	250	780	450	1,500	3,700	310	1,050	520	1,490	4,600	300	1,030	490	1,480	4,500	300	1,030	490	1,480	4,500			
117	WB	US 50	Mainline	5th St On to I-5 On	4,856	18,084	4,803	18,451	78,908	5,190	20,210	5,010	19,450	85,500	5,100	19,950	5,040	19,750	85,000	5,490	21,420	5,330	20,620	90,600	5,470	21,320	5,340	20,550	89,900	5,470	21,320	5,340	20,550	89,900			
118	WB	US 50	Ramp	I-5 NB On	1,065	474	1,065	474	1,983	1,790	490	1,760	4,600	200	1,080	500	1,790	4,500	230	1,070	490	1,790	5,500	230	1,080	490	1,800	5,600	230	1,080	490	1,800	5,600				
119	WB	US 50	Ramp	I-5 NB On	1,202	4,843	597	1,726	15,563	1,600	6,080	770	2,350	17,400	1,490	5,780	730	2,400	17,400	1,620	6,240	900	2,750	18,300	1,650	6,280	840	2,760	18,400	1,650	6,280	840	2,760	18,400			
120	WB	US 50	Ramp	I-5 On	1,462	5,908	1,071	3,468	11,646	1,760	7,150	1,260	4,130	22,000	1,690	6,860	1,290	4,190	21,500	1,850	7,310	1,390	4,540	23,800	1,880	7,360	1,330	4,640	24,000	1,880	7,360	1,330	4,640	24,000			
121	WB	US 50	Mainline	I-5 to Jefferson Blvd	6,318	23,992	5,874	21,919	100,554	6,980	27,360	6,270	23,580	107,500	6,790	26,810	6,270	23,940	106,900	7,340	28,730	6,920	25,160	114,400	7,350	28,640	6,670	25,190	113,900	7,350	28,640	6,670	25,190	113,900			
122	WB	US 50	Ramp	Jefferson Blvd/Delta Ln Off	1,517	5,162	2,215	8,077	25,928	1,690	6,080	1,700	6,800	29,600	1,660	6,130	1,700	6,760	29,700	1,700	6,190	1,700	6,540	30,100	1,700	6,170	1,700	6,710	30,300	1,700	6,170	1,700	6,710	30,300			
123	WB	US 50	Ramp	Delta Ln Off	674	1,999	734	2,492	8,150	840	2,680	850	3,400	11,800	810	2,730	850	3,360	11,800	850	2,790	850	3,360	11,200	850	2,770	850	3,310	12,200	850	2,770	850	3,310	12,200			
124	WB	US 50	Ramp	Jefferson Blvd Off	843	3,153	1,483	5,585	17,778	850	3,400	850	3,400	17,800	850	3,400	850	3,400	17,900	850	3,400	850	3,400	17,900	850	3,400	850	3,400	18,000	850	3,400	850	3,400	18,000			
125	WB	US 50	Mainline	Jefferson Blvd Off to On	4,801	18,830	3,659	13,842	74,628	5,290	21,280	4,570	16,780	77,900	5,130	20,680	4,850	17,180	77,200	5,640	22,540	5,220	18,620	84,300	5,650	22,470	4,970	18,480	83,000	5,650	22,470	4,970	18,480	83,000			
126	WB	US 50	Ramp	Jefferson Blvd On	249	915	307	1,088	3,715	260	930	380	1,190	4,000	250	950	400	1,240	4,000	260	960	420	1,290	4,100	300	1,060	390	1,320	4,200	300	1,060	390	1,320	4,200			
127	WB	US 50	Ramp	Tower Bridge Gateway On	151	590	597	1,726	2,883	310	1,160	830	2,320	4,800	450	1,550	810	2,390	5,100	300	1,120	810	2,430	4,800	310	1,140	720	2,500	4,700	310	1,140	720	2,500	4,700			
128	WB	US 50	Ramp	TBC/Jefferson Blvd	400	1,505	904	2,814	6,598	570	2,090	1,210	3,510	8,800	700	2,500	1,210	3,630	9,100	560	2,080	1,230	3,720	9,300	610	2,200	1,110	3,820	8,900	610	2,200	1,110	3,820	8,900			
129	WB	US 50	Mainline	Jefferson Blvd to Harbor Blvd	5,201	20,335	4,563	16,656	81,224	5,860	23,370	5,780	20,290	86,700	5,830	23,180	5,780	20,810	86,300	6,200	24,620	6,450	22,340	93,200	6,260	24,670	6,080	22,300	91,900	6,260	24,670	6,080	22,300	91,900			
130	WB	US 50	Ramp	Harbor Blvd Off	1,700	5,927	1,140	4,956	20,804	1,790	6,040	1,160	5,150	17,900	1,350	4,190	1,260	5,290	18,300	1,240	4,550	2,250	7,890	21,500	1,230	4,600	2,270	8,100	21,600	1,230	4,600	2,270	8,100	21,600			
131	WB	US 50	Mainline	Harbor Blvd Off to NB On	3,501	14,353	3,140	11,800	60,420	4,090	16,970	3,720	13,220	65,600	4,070	16,820	3,730	13,790	65,100	4,360	18,070	4,200	14,560	71,700	4,430	18,070	3,810	14,140	68,700	4,430	18,070	3,810	14,140	68,700			
132	WB	US 50	Ramp	Harbor Blvd NB On	532	1,456	510	1,756	5,255	520	1,410	490	1,640	4,300	540	1,470	550	1,600	4,200	570	1,510	430	1,500	4,500	610	1,820	650	1,900	4,600	610	1,820	650	1,900	4,600			
133	WB	US 50	Mainline	Harbor Blvd NB On to SB On	4,033	15,849	3,659	13,556	65,675	4,610	18,380	4,210	14,900	69,900	4,610	18,290	4,280	15,190	69,600	4,930	19,580	4,630	16,060	76,200	5,040	19,890	4,460	16,040	75,100	5,040	19,890	4,460	16,040	75,100			
134	WB	US 50	Ramp	Harbor Blvd SB On	207	771	253	927	3,671	220	820	300	1,010	3,800	220	800	340	1,060	3,900	230	870	330	1,090	4,000	230	840	320	1,070	4,000	230	840	320	1,070	4,000			
135	WB	US 50	Mainline	Harbor Blvd to I-80	4,240	16,620	3,912	14,483	69,346	4,830	19,200	4,510	15,910	73,700	4,830	19,090	4,620	16,250	73,500	5,160	20,450	4,960	17,150	80,200	5,270	20,730	4,780	17,110	79,100	5,270	20,730	4,780	17,110	79,100			
136	WB	US 50	Ramp	I-80 Off	1,405	4,465	1,719	5,578	19,293	1,350	4,180	1,610	5,150	17,900	1,350	4,190	1,620	5,180	18,300	1,370	4,240	1,720	5,510	18,600	1,500	4,740	1,780	6,130	20,300	1,500	4,740	1,780	6,130	20,300			
137	WB	US 50	Mainline	I-80 Off to On	2,835	12,151	2,193	8,805	50,053	3,480	15,020	2,900</																									







ID	Direction	Heavy Vehicle Demand Volume		Percentage		2019 Existing Truck Volume		2029 Alt 6 (Add Transit) Truck Volume		2029 Alt 7 (Convert HOV) Truck Volume		2029 Alt 8 (Add HOV) Truck Volume		2029 Alt 9 (Add HOV on Exit) Truck Volume			
		Route	Type	Description	AM PP	PM PP	AM PP	PM PP	AM PP	PM PP	AM PP	PM PP	AM PP	PM PP	AM PP	PM PP	
1	EB	180	Mainline	Pedrick Rd Off to On	8.0%	8.0%	136	1,203	373	1,277	404	1,390	377	1,277	493	1,478	
2	EB	180	Ramp	Pedrick Rd On	8.0%	12.6%	18.0%	17.7%	16.2%	17	71	22	83	324	18	72	23
3	EB	180	Mainline	Pedrick Rd Off to Kildwell Rd	8.0%	8.2%	8.3%	7.3%	8.8%	261	1,275	361	1,275	402	1,372	361	1,275
4	EB	180	Ramp	Kildwell Rd Off	8.0%	8.2%	8.3%	7.5%	8.9%	2	7	4	12	45	2	7	4
5	EB	180	Mainline	Kildwell Rd Off to On	8.0%	8.2%	8.3%	7.3%	8.8%	360	1,267	374	1,275	6,044	419	1,458	366
6	EB	180	Ramp	Kildwell Rd On	8.0%	9.9%	12.0%	11.2%	11.4%	1	14	3	10	30	1	14	3
7	EB	180	Mainline	SR113 Off to Old Davis Rd	8.0%	8.2%	8.3%	7.6%	8.9%	364	1,281	383	1,301	6,144	424	1,478	408
8	EB	180	Ramp	SR113 Off	8.0%	8.2%	8.3%	7.5%	8.9%	81	235	120	338	1,173	122	370	
9	EB	180	Mainline	SR113 Off to Old Davis Rd	8.0%	8.2%	8.3%	7.6%	8.9%	284	1,028	263	962	4,953	362	1,102	296
10	EB	180	Ramp	Old Davis Rd On	8.0%	8.2%	8.3%	7.6%	8.9%	18	38	27	88	27	18	38	
11	EB	180	Mainline	Old Davis Rd Off to SR113 On	8.0%	8.2%	8.3%	7.4%	8.8%	255	945	236	886	4,620	261	981	257
12	EB	180	Ramp	SR113 On	7.0%	7.8%	6.0%	7.0%	8.5%	6.0	158	21	4	22	137	29	29
13	EB	180	Mainline	SR113 Off to Old Davis Rd	7.0%	7.8%	6.0%	7.0%	8.5%	7,177	1,017	2,917	10,137	8,147	1,268	3,142	2,917
14	EB	180	Ramp	Old Davis Rd On	3.0%	3.7%	4.0%	3.4%	4.6%	11	48	22	69	315	12	54	23
15	EB	180	Mainline	Old Davis Rd Off to Richards Blvd	7.4%	7.7%	7.5%	6.8%	8.3%	328	1,191	279	1,085	5,837	344	1,268	310
16	EB	180	Ramp	Richards Blvd Off	7.4%	7.8%	7.5%	7.7%	8.3%	9	13	4	11	30	9	13	
17	EB	180	Mainline	Richards Blvd Off to On	7.4%	7.7%	7.5%	6.8%	8.3%	299	1,061	247	962	5,050	307	1,110	270
18	EB	180	Ramp	Richards Blvd On	7.0%	1.4%	1.0%	1.5%	2.5%	13	4	12	33	117	3	13	
19	EB	180	Mainline	Richards Blvd to Mace Blvd	7.0%	7.3%	6.8%	6.2%	7.8%	301	1,074	251	984	5,260	314	1,138	276
20	EB	180	Ramp	Mace Blvd Off	7.0%	7.4%	6.8%	6.2%	7.8%	22	84	10	54	364	23	88	
21	EB	180	Mainline	Mace Blvd Off to SB On	7.0%	7.3%	6.8%	6.3%	7.9%	279	990	240	910	4,872	291	1,050	264
22	EB	180	Ramp	Mace Blvd SB On	2.0%	2.0%	2.0%	2.5%	3.3%	14	41	11	57	238	16	55	
23	EB	180	Mainline	Mace Blvd SB On to NB On	2.0%	6.0%	6.1%	5.8%	7.3%	293	1,031	253	986	5,029	312	1,131	287
24	EB	180	Ramp	Mace Blvd NB On	6.0%	2.0%	2.0%	2.4%	3.3%	8	27	10	41	163	10	35	
25	EB	180	Mainline	Mace Blvd to Chiles Rd	6.0%	6.3%	5.6%	5.5%	6.9%	381	1,268	266	1,026	5,090	318	1,178	295
26	EB	180	Ramp	Chiles Rd Off	6.0%	6.3%	5.6%	5.5%	6.9%	0	2	1	2	14	3	2	
27	EB	180	Mainline	Chiles Rd Off to On	6.0%	6.3%	5.6%	5.5%	6.9%	301	1,056	263	1,024	5,077	325	1,175	295
28	EB	180	Ramp	Chiles Rd On	6.0%	6.3%	5.6%	5.5%	6.9%	0	0	0	0	0	0	0	
29	EB	180	Mainline	Chiles Rd to Enterprise Blvd	6.0%	6.3%	5.4%	5.7%	7.1%	319	1,114	288	1,187	5,943	352	1,279	327
30	EB	180	Ramp	Enterprise Blvd Off	6.0%	6.3%	5.4%	5.7%	7.0%	18	64	23	97	324	34	91	
31	EB	180	Mainline	Enterprise Blvd Off to On	6.0%	6.3%	5.4%	5.7%	7.0%	6,020	1,260	3,400	12,020	3,923	3,011	1,050	
32	EB	180	Ramp	Enterprise Blvd On	20.0%	19.3%	4.0%	5.3%	13.3%	99	367	40	174	1,338	214	885	
33	EB	180	Mainline	Enterprise Blvd to US 50	7.0%	7.7%	5.2%	5.7%	7.7%	399	1,417	305	1,384	6,411	474	1,791	
34	EB	180	Ramp	US 50 Off	7.2%	7.7%	5.2%	5.7%	7.7%	154	661	121	561	3,796	127	604	
35	EB	180	Ramp	US 50 HOV Off	0.0%	0.0%	0.0%	0.0%	0.0%	0	0	0	0	0	0		
36	EB	180	Mainline	US 50 Off to On	7.2%	7.6%	5.2%	5.7%	7.7%	273	948	185	762	4,015	321	1,110	
37	EB	180	Ramp	US 50 On	6.0%	6.3%	5.0%	5.4%	7.0%	109	316	91	313	1,305	107	307	
38	EB	180	Mainline	US 50 to Harbor Blvd	6.8%	7.3%	5.1%	5.6%	7.5%	373	1,259	277	1,035	5,310	427	1,477	
39	EB	180	Ramp	Harbor Blvd Off	6.8%	7.3%	5.1%	5.6%	7.5%	57	210	46	180	869	88	279	
40	EB	180	Ramp	Harbor Blvd SB Off	6.8%	7.3%	5.1%	5.6%	7.5%	10	39	6	43	198	38	144	
41	EB	180	Ramp	Harbor Blvd NB Off	6.8%	7.3%	5.1%	5.6%	7.5%	46	171	35	137	671	49	175	
42	EB	180	Mainline	Harbor Blvd On	6.8%	7.3%	5.1%	5.6%	7.5%	316	1,049	232	855	4,440	399	1,198	
43	EB	180	Ramp	Harbor Blvd On	12.0%	11.0%	12.0%	11.1%	12.1%	127	373	134	482	1,088	120	372	
44	EB	180	Mainline	Harbor Blvd to TBG/Jefferson Blvd	7.7%	8.0%	6.5%	6.8%	8.5%	428	1,422	366	1,349	6,894	504	1,731	
45	EB	180	Ramp	TBG/Jefferson Blvd Off	7.7%	8.0%	6.5%	6.8%	8.5%	73	245	72	236	839	131	388	
46	EB	180	Ramp	TBG/Jefferson Blvd On	7.7%	8.1%	6.5%	6.8%	8.5%	31	88	36	130	458	28	80	
47	EB	180	Ramp	Tower Bridge Gateway Off	7.7%	8.0%	6.5%	6.8%	8.5%	50	152	36	106	424	93	255	
48	EB	180	Mainline	TBG/Jefferson Blvd Off to On	7.7%	8.0%	6.5%	6.8%	8.5%	355	1,177	294	1,112	5,635	393	1,343	
49	EB	180	Ramp	TBG/Jefferson Blvd On	2.0%	2.4%	2.0%	2.5%	3.5%	34	132	29	139	727	42	209	
50	EB	180	Mainline	TBG/Jefferson Blvd On to S River Rd On	6.2%	6.5%	5.4%	5.7%	7.1%	389	1,309	323	1,250	6,171	427	1,627	
51	EB	180	Ramp	S River Rd On	3.0%	3.3%	3.0%	3.5%	4.4%	36	105	24	102	464	32	114	
52	EB	180	Mainline	S River Rd to I-5	5.7%	6.0%	5.1%	5.5%	6.8%	425	1,452	347	1,352	6,627	425	1,627	
53	EB	180	Ramp	I-5 Off	5.7%	6.0%	5.1%	5.5%	6.8%	51	273	65	328	1,463	78	289	
54	EB	180	Ramp	I-5 SB Off	5.7%	6.0%	5.1%	5.5%	6.8%	51	273	65	328	1,463	78	289	
55	EB	180	Ramp	I-5 NB Off	5.7%	6.0%	5.1%	5.5%	6.8%	51	273	65	328	1,463	78	289	
56	EB	180	Mainline	I-5 Off to I-5 NB Off	5.7%	6.0%	5.1%	5.4%	6.7%	401	1,142	282	1,024	5,164	374	1,438	
57	EB	180	Mainline	I-5 Off to I-5 SB Off	5.7%	6.0%	5.1%	5.4%	6.7%	54	142	60	207	616	54	142	
58	EB	180	Ramp	I-5 NB On	5.7%	6.0%	5.1%	5.5%	6.8%	51	273	65	328	1,463	78	289	
59	EB	180	Ramp	I-5 SB On	6.0%	6.5%	5.0%	5.5%	7.0%	101	373	42	196	1,259	101	374	
60	EB	180	Ramp	I-5 On	6.0%	6.5%	5.0%	5.5%	7.0%	134	552	89	424	2,489	182	779	
61	EB	180	Mainline	I-5 to 15th St	5.8%	6.3%	5.1%	5.5%	6.9%	544	1,944	353	1,436	8,300	601	2,449	
62	EB	180	Ramp	15th St Off	5.8%	6.3%	5.1%	5.5%	6.9%	28	124	38	157	656	63	219	
63	EB	180	Mainline	15th St Off to 11th St On	5.8%	6.2%	5.1%	5.5%	6.9%	516	1,820	335	1,379	7,644	540	2,200	
64	EB	180	Ramp	11th St On	2.0%	2.4%	2.0%	2.5%	3.5%	11	47	18	78	335	10	44	
65	EB	180	Mainline	11th St On to 16th St On	5.6%	6.0%	4.7%	5.1%	6.6%	528	1,866	333	1,357	7,951	567	2,332	
66	EB	180	Ramp	16th St On	2.0%	2.1%	2.0%	2.3%	2.9%	10	35	12	53	280	9	34	
67	EB	180	Mainline	16th St to SR 51/99	5.4%	5.8%	4.5%	4.9%	6.4%	338	1,902	346	1,409	8,252	572	2,344	
68	EB	180	Ramp	SR 51/99 Off	5.4%	5.8%	4.5%	4.9%	6.4%	184	799	142	608	3,605	178	789	
69	EB	180	Ramp	SR 51/99 On	5.4%	5.8%	4.5%	4.9%	6.4%	89	381	109	435	2,112	59	284	
70	EB	180	Ramp	SR 51 Off	5.4%	5.8%	4.5%	4.9%	6.4%	85	358	33	174	932	85	405	
71	EB	180	Mainline	SR 51/99 Off to 26th St On	5.4%	5.8%	4.5%	4.9%	6.4%	354	1,162	203	801	4,647	395	1,555	
72	EB	180	Ramp	US 50 On	7.2%	7.7%	5.2%	5.6%	7.7%	120	371	106	391	1,656	114	377	
73	EB	180	Mainline	US 50 to Reed Ave	7.2%	7.7%	5.2%	5.7%	7.7%	228	816	210	881	3,881	274	1,072	
74	EB	180	Ramp	Reed Ave Off	7.2%	7.6%	5.2%	5.7%	7.7%	64	213	27	112	689	71	229	
75	EB	180	Mainline	Reed Ave Off to On	7.2%	7.7%	5.2%	5.7%	7.7%	144	603	183	769	3,193			

Heavy Vehicle Demand Volume		Truck Percentage				2023 All 6 (Add Transit) Truck Volume				2023 All 6 (Convert HDV) Truck Volume				2023 All 8 (Add HDV Med) Truck Volume				2023 All 8 (Add HDV as EHV) Truck Volume																
ID	Direction	Route	Type	Restriction	AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily					
106	WB	US 50	Ramp	16th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	687	2,660	398	1,547	10,380	838	3,288	485	1,901	12,644	816	3,205	494	1,856	12,527	843	3,290	495	1,920	12,722	833	3,277	496	1,899	12,722
107	WB	US 50	Mainline	16th St Off to 10th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	105	325	41	151	937	105	346	56	202	1,201	103	340	62	185	1,156	104	344	54	185	1,030	102	335	55	187	1,059
108	WB	US 50	Ramp	10th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	582	2,133	357	1,390	9,440	733	2,862	437	1,699	11,441	713	2,835	442	1,670	11,341	741	3,291	442	1,735	11,693	731	3,277	441	1,713	11,653
109	WB	US 50	Mainline	10th St Off to 15th St On	2.0%	2.7%	2.0%	2.2%	3.5%	14	61	17	70	409	16	62	17	70	413	15	62	17	70	413	15	62	17	70	413	15	62	17	74	413
110	WB	US 50	Ramp	15th St On	7.5%	8.1%	4.7%	4.7%	7.4%	288	1,022	374	1,466	9,948	247	2,061	282	1,750	11,729	224	2,068	248	1,750	11,638	250	2,069	248	1,787	11,666	249	2,069	248	1,773	11,699
111	WB	US 50	Mainline	15th St On to I-5	7.5%	8.1%	4.7%	4.7%	7.4%	253	1,007	370	1,466	9,948	257	1,096	371	1,580	11,684	256	1,091	369	1,580	11,638	261	1,079	369	1,558	11,638	261	1,079	369	1,558	11,638
112	WB	US 50	Ramp	I-5 NB Off	7.5%	8.1%	4.7%	4.7%	7.4%	200	789	85	350	2,857	213	803	85	345	3,126	213	809	83	339	3,234	208	856	80	328	3,129	208	856	80	328	3,124
113	WB	US 50	Ramp	I-5 SB Off	7.5%	8.1%	4.7%	4.7%	7.4%	53	218	85	315	1,400	31	122	86	335	1,426	31	121	85	331	1,406	38	230	85	330	1,510	38	248	85	321	1,524
114	WB	US 50	Ramp	I-5 Off to 5th St On	7.5%	8.1%	4.7%	4.7%	7.4%	346	1,186	401	1,567	10,207	480	1,816	276	1,073	12,773	453	1,869	276	1,067	12,681	458	1,868	276	1,092	12,722	458	1,868	276	1,102	12,722
115	WB	US 50	Ramp	5th St On	2.0%	2.7%	2.0%	2.2%	3.5%	5	22	9	32	129	5	22	9	32	137	5	22	9	32	137	5	22	9	32	137	5	22	9	37	130
116	WB	US 50	Mainline	5th St On to I-5 On	7.2%	7.8%	4.4%	4.5%	7.2%	351	1,419	213	893	5,883	351	1,488	276	1,093	11,319	351	1,488	281	1,087	11,210	351	1,494	281	1,173	11,263	351	1,499	281	1,150	11,272
117	WB	US 50	Ramp	I-5 NB On	7.0%	7.8%	5.0%	5.0%	7.8%	17	88	24	87	477	15	24	8	87	487	15	24	8	87	487	15	24	8	87	487	15	24	8	88	487
118	WB	US 50	Ramp	I-5 SB On	7.0%	7.8%	5.0%	5.0%	7.8%	84	396	30	86	1,183	104	508	48	154	1,598	106	508	48	157	1,588	108	512	52	1,702	1,642	104	511	1	168	1,644
119	WB	US 50	Mainline	I-5 NB On	7.0%	7.8%	5.0%	5.0%	7.8%	104	426	54	1,183	104	508	48	154	1,598	106	508	48	157	1,588	108	512	52	1,702	1,642	104	511	1	168	1,644	
120	WB	US 50	Ramp	I-5 NB Off	7.0%	7.8%	5.0%	5.0%	7.8%	104	426	54	1,183	104	508	48	154	1,598	106	508	48	157	1,588	108	512	52	1,702	1,642	104	511	1	168	1,644	
121	WB	US 50	Mainline	I-5 NB Off to Jefferson Blvd	4.5%	4.9%	4.0%	4.0%	7.8%	606	2,437	246	1,006	7,946	606	2,437	246	1,135	11,311	606	2,437	246	1,135	11,311	606	2,437	246	1,135	11,311	606	2,437	246	1,135	11,311
122	WB	US 50	Ramp	Jefferson Blvd/Delta Ln Off	7.2%	8.0%	4.5%	4.0%	7.3%	109	411	100	370	1,893	204	790	147	576	3,173	196	715	144	566	3,300	191	735	148	576	3,270	192	768	148	581	3,122
123	WB	US 50	Ramp	Delta Ln Off	7.2%	7.9%	4.5%	4.0%	7.3%	49	158	33	114	995	49	158	33	114	1,555	49	157	33	114	1,555	49	157	33	1,533	94	362	80	238	1,150	
124	WB	US 50	Ramp	Jefferson Blvd Off	7.2%	8.0%	4.5%	4.0%	7.3%	141	513	123	456	2,798	108	411	85	343	1,818	109	405	79	317	1,787	109	405	79	317	1,787	109	405	79	317	1,787
125	WB	US 50	Mainline	Jefferson Blvd Off to On	7.2%	7.9%	4.5%	4.0%	7.3%	346	1,486	166	636	5,448	402	1,689	197	758	5,840	391	1,674	208	765	5,855	440	1,789	231	854	6,278	431	1,788	222	824	6,183
126	WB	US 50	Ramp	Jefferson Blvd On	2.0%	2.7%	2.0%	2.2%	3.5%	5	25	6	24	100	6	30	9	32	180	6	31	10	34	188	6	31	10	34	188	6	31	19	190	
127	WB	US 50	Ramp	Tower Bridge Gateway On	2.0%	2.7%	2.0%	2.1%	3.5%	1	18	12	36	101	1	18	12	36	101	1	18	12	36	101	1	18	12	36	101	1	18	12	36	101
128	WB	US 50	Ramp	TB/Jefferson Blvd Off	2.0%	2.7%	2.0%	2.1%	3.5%	8	41	18	60	231	17	78	27	85	420	17	79	27	89	406	15	77	27	89	399	17	84	30	99	410
129	WB	US 50	Mainline	Jefferson Blvd to Harbor Blvd	6.8%	7.5%	3.8%	4.1%	6.8%	353	1,524	176	683	5,233	356	1,617	220	840	6,256	427	1,807	229	854	6,242	465	1,990	254	949	6,623	464	1,988	247	925	6,555
130	WB	US 50	Ramp	Harbor Blvd Off	6.8%	7.5%	3.8%	4.1%	6.8%	115	446	54	198	5,415	142	521	73	243	1,523	126	483	66	247	1,537	147	515	70	247	1,500	142	519	72	250	1,418
131	WB	US 50	Mainline	Harbor Blvd Off to NB On	12.8%	12.9%	3.8%	4.1%	6.9%	238	1,078	121	485	4,169	234	1,296	147	596	4,802	302	1,325	163	612	4,775	319	1,375	184	702	5,147	322	1,409	175	675	5,009
132	WB	US 50	Ramp	Harbor Blvd NB On	6.8%	7.5%	3.8%	4.1%	6.8%	64	192	46	157	631	96	282	58	204	816	89	273	63	225	828	95	297	62	219	822	103	365	88	243	1,236
133	WB	US 50	Mainline	Harbor Blvd NB On to SB On	7.5%	8.0%	4.5%	4.7%	7.4%	302	1,274	165	639	4,860	384	1,568	202	791	5,654	388	1,588	223	820	5,631	410	1,657	247	918	6,048	419	1,736	239	905	6,315
134	WB	US 50	Ramp	Harbor Blvd SB On	12.0%	12.8%	10.0%	9.4%	12.2%	25	99	25	87	348	25	106	51	138	537	26	109	52	144	537	28	106	51	141	537	28	106	51	160	586
135	WB	US 50	Mainline	Harbor Blvd 80	7.7%	8.3%	4.8%	5.0%	7.7%	327	1,574	190	724	5,340	412	1,677	241	913	6,222	416	1,704	265	946	6,199	440	1,773	289	1,050	6,630	457	1,873	286	1,041	6,753
136	WB	US 50	Ramp	I-80 Off	7.7%	8.3%	4.8%	5.0%	7.7%	129	432	81	283	1,460	129	432	81	283	1,460	129	432	81	283	1,460	129	432	81	283	1,460	129	432	81	283	1,460
137	WB	US 50	Mainline	I-80 Off to On	7.7%	8.3%	4.8%	5.0%	7.7%	219	1,004	106	441	3,854	283	1,254	142	567	4,581	295	1,296	159	597	4,551	317	1,357	177	674	4,951	312	1,386	163	623	4,959
138	WB	US 50	Ramp	I-80 On	6.9%	7.7%	6.2%	6.1%	7.9%	187	777	141	489	3,200	233	1,014	186	633	4,076	212	939	176	601	3,966	247	1,107	197	690	4,306	241	1,043	176	626	3,959
206	WB	I-80	Ramp	I-80 HDV On	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
139	WB	I-80	Mainline	I-80 to W Capitol Ave	7.3%	8.0%	5.5%	5.5%	7.8%	405	1,780	245	925	7,091	515	2,288	326	1,195	8,626	504	2,231	336	1,198	8,525	563	2,465	375	1,363	9,267	551	2,426	340	1,250	8,861
140	WB	I-80	Ramp	W Capitol Ave Off	7.3%	8.0%	5.5%	5.5%	7.8%	67	244	22	93	804	101	368	54	200	1,451	99	353	56	210	1,443	94	353	56	207	1,427	79	279	26	107	964
141	WB	I-80	Mainline	W Capitol Ave Off to EB On	7.3%	8.0%	5.5%	5.5%	7.8%	388	1,746	269	1,018	7,286	414	1,900	323	1,184	8,196	429	1,878	369	1,											

Managed Lane Demand Volume				Type	2019 Existing Percentage				2019 Existing Volume				Type	2029 Alt 1 (No Build) %				2029 Alt 1 (No Build) Volume			
ID	Direction	Route	Description		AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP		AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd																		
302	EB	I-80	Mace Blvd to Chiles Rd																		
303	EB	I-80	Chiles Rd to Enterprise Blvd																		
304	EB	I-80	Enterprise Blvd to US 50																		
305	EB	US 50	I-80 to Harbor Blvd																		
306	EB	US 50	Harbor Blvd to Jefferson Blvd																		
307	EB	US 50	S River Rd to I-5																		
308	EB	US 50	I-5 to 15th St	HOV												620	1,860	570	1,800		
309	EB	US 50	16th St to SR 51/SR 99	HOV												1,010	3,840	760	3,270		
310	EB	I-80	US 50 to Reed Ave																		
311	EB	I-80	Reed Ave to W El Camino Ave																		
312	EB	I-80	W El Camino Ave to I-5	HOV	19%	19%	25%	26%	406	1,359	706	2,921	HOV	19%	22%	25%	26%	430	1,580	710	2,950
313	EB	I-80	I-5 to Truxel Rd	HOV	19%	19%	25%	26%	446	1,403	753	2,819	HOV	21%	23%	25%	26%	530	1,830	770	2,880
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	19%	19%	25%	26%	918	2,784	1,451	5,494	HOV	21%	20%	27%	27%	860	2,470	1,370	4,990
315	WB	US 50	SR 51 to 16th St																		
316	WB	US 50	15th St to I-5																		
317	WB	US 50	I-5 to Jefferson Blvd																		
318	WB	US 50	Jefferson Blvd to Harbor Blvd																		
319	WB	US 50	Harbor Blvd to I-80																		
320	WB	I-80	US 50 to W Capitol Ave																		
321	WB	I-80	W Capitol Ave to County Rd 32A																		
322	WB	I-80	County Rd 32A to Mace Blvd																		
323	WB	I-80	Mace Blvd to Richards Blvd																		
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	25%	25%	25%	26%	1,539	5,350	1,167	4,523	HOV	25%	26%	28%	29%	1,550	5,610	1,310	5,080
325	WB	I-80	Truxel Rd to I-5	HOV	25%	25%	25%	26%	804	2,867	520	1,857	HOV	25%	25%	25%	26%	790	2,940	540	1,920
326	WB	I-80	I-5 to W El Camino Ave	HOV	25%	25%	25%	26%	918	3,263	731	2,607	HOV	25%	25%	25%	26%	910	3,380	760	2,710
327	WB	I-80	W El Camino Ave to Reed Ave																		
328	WB	I-80	Reed Ave to US 50																		



Managed Lane Demand Volume				2029 Alt 2 (Add HOV) %				2029 Alt 2 (Add HOV) Volume				2029 Alt 3 (Add HOT) %				2029 Alt 3 (Add HOT) Volume					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd	HOV	20%	24%	27%	29%	790	3,370	1,070	4,710	HOT	20%	24%	26%	28%	800	3,370	1,070	4,650
302	EB	I-80	Mace Blvd to Chiles Rd	HOV	22%	25%	29%	31%	1,130	4,420	1,560	6,650	HOT	22%	25%	28%	30%	1,130	4,390	1,550	6,590
303	EB	I-80	Chiles Rd to Enterprise Blvd	HOV	21%	25%	27%	29%	1,180	4,580	1,670	6,920	HOT	20%	24%	31%	31%	1,180	4,530	1,940	7,390
304	EB	I-80	Enterprise Blvd to US 50	HOV	19%	22%	25%	26%	640	2,370	780	2,840	HOT	19%	22%	27%	28%	660	2,340	850	2,960
305	EB	US 50	I-80 to Harbor Blvd	HOV	19%	21%	25%	26%	700	2,490	890	3,280	HOT	19%	21%	25%	26%	720	2,460	900	3,230
306	EB	US 50	Harbor Blvd to Jefferson Blvd	HOV	19%	21%	25%	26%	760	2,720	1,090	3,990	HOT	19%	21%	25%	26%	790	2,690	1,100	3,950
307	EB	US 50	S River Rd to I-5	HOV	23%	24%	25%	26%	890	2,960	1,020	3,420	HOT	23%	24%	25%	26%	880	2,940	1,020	3,350
308	EB	US 50	I-5 to 15th St	HOV	22%	23%	25%	26%	740	2,190	680	2,200	HOV	23%	23%	25%	26%	760	2,190	690	2,160
309	EB	US 50	16th St to SR 51/SR 99	HOV	23%	24%	26%	27%	1,190	3,810	820	3,040	HOV	23%	24%	25%	27%	1,200	3,780	840	3,000
310	EB	I-80	US 50 to Reed Ave	HOV	20%	23%	26%	28%	270	1,150	650	2,990	HOT	20%	23%	25%	27%	260	1,150	640	2,980
311	EB	I-80	Reed Ave to W El Camino Ave	HOV	21%	24%	25%	27%	450	1,730	730	3,100	HOT	21%	24%	25%	26%	450	1,730	740	3,100
312	EB	I-80	W El Camino Ave to I-5	HOV	19%	22%	25%	26%	460	1,720	790	3,350	HOV	19%	22%	25%	26%	450	1,710	790	3,340
313	EB	I-80	I-5 to Truxel Rd	HOV	22%	24%	26%	27%	570	2,000	880	3,390	HOV	22%	24%	26%	27%	560	1,990	870	3,390
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	21%	20%	27%	27%	1,060	3,120	1,630	6,000	HOV	21%	20%	27%	28%	1,060	3,110	1,620	6,020
315	WB	US 50	SR 51 to 16th St	HOV	25%	25%	27%	28%	970	4,010	1,100	4,570	HOV	25%	25%	26%	28%	960	3,980	1,090	4,550
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	930	3,870	860	3,580	HOV	25%	25%	25%	26%	930	3,860	860	3,560
317	WB	US 50	I-5 to Jefferson Blvd	HOV	25%	25%	25%	26%	950	3,780	960	3,640	HOT	25%	25%	25%	26%	950	3,770	960	3,630
318	WB	US 50	Jefferson Blvd to Harbor Blvd	HOV	25%	25%	25%	26%	950	3,980	750	2,840	HOT	25%	25%	25%	26%	960	3,990	750	2,840
319	WB	US 50	Harbor Blvd to I-80	HOV	25%	25%	25%	27%	750	3,440	610	2,390	HOT	25%	25%	25%	26%	760	3,450	620	2,380
320	WB	I-80	US 50 to W Capitol Ave	HOV	25%	25%	26%	27%	660	3,000	600	2,300	HOT	25%	25%	30%	29%	680	3,010	690	2,430
321	WB	I-80	W Capitol Ave to County Rd 32A	HOV	25%	25%	28%	30%	1,700	6,890	1,570	5,990	HOT	26%	26%	31%	31%	1,820	7,190	1,750	6,280
322	WB	I-80	County Rd 32A to Mace Blvd	HOV	25%	26%	30%	31%	1,400	5,970	1,250	4,680	HOT	25%	26%	29%	31%	1,440	5,950	1,240	4,630
323	WB	I-80	Mace Blvd to Richards Blvd	HOV	25%	26%	29%	30%	1,170	4,860	1,040	3,810	HOT	25%	26%	29%	30%	1,200	4,880	1,050	3,790
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	27%	27%	28%	29%	1,540	5,580	1,220	4,830	HOV	27%	27%	28%	29%	1,550	5,600	1,220	4,820
325	WB	I-80	Truxel Rd to I-5	HOV	25%	25%	25%	26%	870	3,200	590	2,210	HOV	25%	25%	25%	26%	880	3,200	590	2,210
326	WB	I-80	I-5 to W El Camino Ave	HOV	25%	25%	25%	26%	1,010	3,720	830	3,020	HOV	25%	25%	25%	26%	1,020	3,720	840	3,010
327	WB	I-80	W El Camino Ave to Reed Ave	HOV	25%	25%	27%	29%	940	3,480	870	3,350	HOT	25%	25%	27%	29%	960	3,490	890	3,360
328	WB	I-80	Reed Ave to US 50	HOV	25%	25%	26%	28%	790	3,040	500	2,110	HOT	25%	25%	25%	28%	810	3,070	510	2,100

Managed Lane Demand Volume				2029 Alt 4 (Add HOT3) %				2029 Alt 4 (Add HOT3) Volume				2029 Alt 5 (Add Toll) %				2029 Alt 5 (Add Toll) Volume					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd	HOT	7%	9%	16%	17%	290	1,210	640	2,730	Toll	5%	5%	9%	11%	200	670	360	1,790
302	EB	I-80	Mace Blvd to Chiles Rd	HOT	13%	13%	25%	26%	680	2,250	1,360	5,510	Toll	5%	5%	24%	24%	270	850	1,280	5,090
303	EB	I-80	Chiles Rd to Enterprise Blvd	HOT	15%	14%	27%	27%	830	2,520	1,670	6,390	Toll	12%	9%	27%	27%	690	1,580	1,650	6,230
304	EB	I-80	Enterprise Blvd to US 50	HOT	11%	11%	24%	24%	370	1,120	710	2,510	Toll	9%	5%	23%	23%	300	570	680	2,330
305	EB	US 50	I-80 to Harbor Blvd	HOT	7%	8%	9%	10%	250	930	300	1,190	Toll	5%	5%	5%	5%	180	580	170	600
306	EB	US 50	Harbor Blvd to Jefferson Blvd	HOT	7%	8%	8%	9%	280	1,030	350	1,360	Toll	5%	5%	5%	5%	190	620	210	730
307	EB	US 50	S River Rd to I-5	HOT	13%	12%	19%	19%	520	1,480	740	2,350	Toll	7%	5%	18%	17%	270	610	740	2,110
308	EB	US 50	I-5 to 15th St	HOV	23%	23%	25%	26%	750	2,170	650	2,100	HOV	23%	23%	25%	26%	740	2,130	660	2,140
309	EB	US 50	16th St to SR 51/SR 99	HOV	23%	24%	26%	27%	1,200	3,780	800	2,930	HOV	23%	24%	25%	27%	1,160	3,710	790	2,990
310	EB	I-80	US 50 to Reed Ave	HOT	20%	23%	24%	27%	260	1,140	610	2,900	Toll	20%	23%	23%	26%	270	1,130	600	2,810
311	EB	I-80	Reed Ave to W El Camino Ave	HOT	21%	24%	24%	26%	450	1,730	680	3,010	Toll	21%	24%	23%	25%	450	1,710	660	2,940
312	EB	I-80	W El Camino Ave to I-5	HOV	19%	22%	25%	26%	460	1,730	780	3,310	HOV	20%	22%	25%	26%	460	1,710	770	3,320
313	EB	I-80	I-5 to Truxel Rd	HOV	22%	24%	26%	27%	570	2,000	860	3,360	HOV	22%	24%	26%	27%	570	1,980	850	3,320
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	21%	20%	27%	27%	1,070	3,120	1,620	6,000	HOV	21%	20%	27%	28%	1,060	3,090	1,620	5,990
315	WB	US 50	SR 51 to 16th St	HOV	25%	25%	26%	28%	960	3,960	1,080	4,540	HOV	25%	25%	26%	28%	960	3,970	1,060	4,460
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	930	3,830	850	3,520	HOV	25%	25%	25%	26%	930	3,820	830	3,460
317	WB	US 50	I-5 to Jefferson Blvd	HOT	10%	9%	17%	16%	370	1,410	610	2,250	Toll	8%	6%	15%	14%	310	840	520	1,840
318	WB	US 50	Jefferson Blvd to Harbor Blvd	HOT	7%	8%	9%	10%	270	1,220	270	1,040	Toll	5%	5%	5%	5%	190	790	140	530
319	WB	US 50	Harbor Blvd to I-80	HOT	8%	9%	9%	10%	260	1,250	220	900	Toll	5%	5%	5%	5%	150	680	120	450
320	WB	I-80	US 50 to W Capitol Ave	HOT	18%	16%	25%	24%	490	1,960	560	1,950	Toll	18%	16%	23%	22%	490	1,860	500	1,810
321	WB	I-80	W Capitol Ave to County Rd 32A	HOT	23%	19%	27%	26%	1,530	5,200	1,480	5,160	Toll	21%	17%	25%	25%	1,430	4,580	1,390	4,800
322	WB	I-80	County Rd 32A to Mace Blvd	HOT	19%	17%	22%	22%	1,060	3,860	920	3,190	Toll	15%	12%	20%	19%	830	2,730	820	2,770
323	WB	I-80	Mace Blvd to Richards Blvd	HOT	10%	11%	10%	11%	490	1,990	370	1,410	Toll	5%	5%	5%	5%	240	930	180	630
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	26%	27%	28%	29%	1,520	5,530	1,210	4,790	HOV	26%	27%	28%	29%	1,520	5,570	1,190	4,770
325	WB	I-80	Truxel Rd to I-5	HOV	25%	25%	25%	26%	860	3,180	590	2,200	HOV	25%	25%	25%	26%	850	3,170	580	2,170
326	WB	I-80	I-5 to W El Camino Ave	HOV	25%	25%	25%	26%	1,000	3,700	830	3,000	HOV	25%	25%	25%	26%	990	3,690	820	3,000
327	WB	I-80	W El Camino Ave to Reed Ave	HOT	20%	22%	27%	29%	730	3,020	880	3,300	Toll	19%	22%	26%	29%	730	2,980	850	3,280
328	WB	I-80	Reed Ave to US 50	HOT	20%	22%	25%	27%	620	2,640	510	2,080	Toll	20%	22%	25%	27%	620	2,640	490	2,070

Managed Lane Demand Volume				2029 Alt 6 (Add Transit) %				2029 Alt 6 (Add Transit) Volume				2029 Alt 7 (Convert HOV) %				2029 Alt 7 (Convert HOV) Volume					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd										HOV	24%	28%	33%	35%	780	3,230	1,040	4,570
302	EB	I-80	Mace Blvd to Chiles Rd										HOV	27%	30%	35%	35%	1,140	4,430	1,480	6,100
303	EB	I-80	Chiles Rd to Enterprise Blvd										HOV	24%	28%	33%	35%	1,170	4,520	1,640	6,790
304	EB	I-80	Enterprise Blvd to US 50										HOV	21%	25%	28%	30%	580	2,240	740	2,700
305	EB	US 50	I-80 to Harbor Blvd										HOV	20%	23%	27%	29%	630	2,360	820	3,020
306	EB	US 50	Harbor Blvd to Jefferson Blvd										HOV	21%	23%	25%	26%	720	2,550	910	3,270
307	EB	US 50	S River Rd to I-5										HOV	26%	27%	30%	31%	890	2,910	1,040	3,410
308	EB	US 50	I-5 to 15th St	HOV	22%	23%	25%	26%	660	2,020	600	1,970	HOV	23%	24%	25%	26%	690	2,000	600	1,900
309	EB	US 50	16th St to SR 51/SR 99	HOV	22%	24%	25%	26%	1,120	3,260	770	2,860	HOV	23%	24%	26%	27%	1,140	3,680	790	2,970
310	EB	I-80	US 50 to Reed Ave										HOV	22%	25%	32%	34%	260	1,090	620	2,980
311	EB	I-80	Reed Ave to W El Camino Ave										HOV	23%	26%	29%	31%	450	1,710	650	3,000
312	EB	I-80	W El Camino Ave to I-5	HOV	19%	22%	25%	26%	450	1,660	730	3,050	HOV	21%	23%	25%	27%	480	1,740	690	3,090
313	EB	I-80	I-5 to Truxel Rd	HOV	22%	24%	25%	26%	550	1,950	800	3,040	HOV	22%	24%	27%	28%	560	1,960	850	3,210
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	21%	20%	27%	27%	1,030	3,040	1,580	5,840	HOV	22%	21%	27%	28%	1,070	3,130	1,600	5,900
315	WB	US 50	SR 51 to 16th St	HOV	25%	25%	26%	27%	940	3,840	1,020	4,340	HOV	25%	25%	27%	28%	940	3,900	1,060	4,530
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	890	3,680	790	3,280	HOV	25%	25%	25%	26%	890	3,710	790	3,340
317	WB	US 50	I-5 to Jefferson Blvd										HOV	25%	25%	28%	28%	860	3,460	920	3,670
318	WB	US 50	Jefferson Blvd to Harbor Blvd										HOV	25%	25%	28%	28%	840	3,580	690	2,850
319	WB	US 50	Harbor Blvd to I-80										HOV	25%	25%	28%	30%	680	3,190	600	2,540
320	WB	I-80	US 50 to W Capitol Ave										HOV	25%	25%	30%	31%	590	2,730	630	2,280
321	WB	I-80	W Capitol Ave to County Rd 32A										HOV	27%	29%	33%	34%	1,500	6,670	1,570	5,730
322	WB	I-80	County Rd 32A to Mace Blvd										HOV	30%	32%	35%	35%	1,410	6,350	1,280	4,430
323	WB	I-80	Mace Blvd to Richards Blvd										HOV	30%	31%	35%	35%	1,180	5,100	1,120	3,800
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	26%	26%	28%	29%	1,500	5,410	1,170	4,620	HOV	27%	27%	29%	30%	1,580	5,570	1,230	4,710
325	WB	I-80	Truxel Rd to I-5	HOV	25%	25%	25%	26%	840	3,070	570	2,050	HOV	25%	25%	25%	27%	780	2,880	570	2,100
326	WB	I-80	I-5 to W El Camino Ave	HOV	25%	25%	25%	26%	960	3,540	790	2,820	HOV	25%	25%	26%	27%	870	3,290	800	2,950
327	WB	I-80	W El Camino Ave to Reed Ave										HOV	25%	26%	31%	32%	740	2,840	900	3,260
328	WB	I-80	Reed Ave to US 50										HOV	26%	27%	30%	32%	620	2,530	510	1,980

Managed Lane Demand Volume				2029 Alt 8 (Add HOV Med) %				2029 Alt 8 (Add HOV Med) Volume				2029 Alt 9 (Add HOV no Ent) %				2029 Alt 9 (Add HOV no Ent) Vol					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd	HOV	20%	25%	27%	29%	800	3,390	1,080	4,730	HOV	20%	24%	27%	29%	790	3,360	1,100	4,710
302	EB	I-80	Mace Blvd to Chiles Rd	HOV	22%	25%	29%	31%	1,140	4,440	1,550	6,660	HOV	22%	25%	29%	31%	1,120	4,380	1,580	6,630
303	EB	I-80	Chiles Rd to Enterprise Blvd	HOV	21%	25%	27%	29%	1,190	4,600	1,660	6,910	HOV	21%	24%	27%	29%	1,180	4,590	1,710	6,920
304	EB	I-80	Enterprise Blvd to US 50	HOV	19%	22%	25%	26%	710	2,690	910	3,490	HOV	20%	24%	25%	27%	760	2,840	860	3,130
305	EB	US 50	I-80 to Harbor Blvd	HOV	19%	21%	25%	26%	700	2,480	880	3,210	HOV	19%	20%	25%	26%	620	2,070	890	3,080
306	EB	US 50	Harbor Blvd to Jefferson Blvd	HOV	19%	21%	25%	26%	760	2,710	1,090	3,930	HOV	19%	21%	25%	26%	740	2,530	1,130	3,930
307	EB	US 50	S River Rd to I-5	HOV	23%	24%	25%	26%	890	2,940	1,040	3,380	HOV	22%	24%	25%	26%	830	2,800	1,030	3,290
308	EB	US 50	I-5 to 15th St	HOV	23%	24%	25%	26%	760	2,210	690	2,150	HOV	23%	24%	25%	26%	750	2,220	700	2,160
309	EB	US 50	16th St to SR 51/SR 99	HOV	23%	24%	26%	27%	1,200	3,830	820	3,010	HOV	23%	24%	26%	27%	1,180	3,800	830	2,990
310	EB	I-80	US 50 to Reed Ave	HOV	20%	23%	26%	28%	570	2,240	1,000	4,540	HOV	20%	24%	26%	28%	210	930	610	2,850
311	EB	I-80	Reed Ave to W El Camino Ave	HOV	21%	24%	25%	27%	470	1,780	720	3,190	HOV	21%	24%	25%	27%	430	1,630	720	3,140
312	EB	I-80	W El Camino Ave to I-5	HOV	19%	22%	25%	26%	470	1,740	790	3,390	HOV	20%	22%	25%	26%	460	1,700	780	3,360
313	EB	I-80	I-5 to Truxel Rd	HOV	22%	24%	26%	27%	570	2,020	880	3,430	HOV	22%	24%	26%	27%	560	1,990	880	3,420
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	21%	20%	27%	28%	1,080	3,150	1,630	6,040	HOV	21%	20%	27%	28%	1,060	3,120	1,620	6,030
315	WB	US 50	SR 51 to 16th St	HOV	25%	25%	27%	28%	960	3,990	1,110	4,600	HOV	25%	25%	27%	28%	970	4,000	1,090	4,570
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	930	3,870	870	3,590	HOV	25%	25%	25%	26%	930	3,860	860	3,560
317	WB	US 50	I-5 to Jefferson Blvd	HOV	25%	25%	25%	26%	950	3,810	960	3,660	HOV	25%	25%	25%	26%	940	3,780	910	3,600
318	WB	US 50	Jefferson Blvd to Harbor Blvd	HOV	25%	25%	25%	26%	950	4,000	740	2,820	HOV	25%	25%	25%	26%	960	3,970	680	2,680
319	WB	US 50	Harbor Blvd to I-80	HOV	25%	25%	25%	26%	750	3,460	620	2,390	HOV	25%	25%	25%	26%	730	3,330	510	2,080
320	WB	I-80	US 50 to W Capitol Ave	HOV	25%	25%	26%	27%	800	3,620	760	2,990	HOV	25%	25%	27%	29%	710	3,200	710	2,670
321	WB	I-80	W Capitol Ave to County Rd 32A	HOV	25%	25%	28%	30%	1,710	6,900	1,560	5,940	HOV	25%	25%	28%	30%	1,710	6,880	1,570	5,950
322	WB	I-80	County Rd 32A to Mace Blvd	HOV	25%	26%	30%	31%	1,420	6,010	1,250	4,640	HOV	25%	26%	30%	31%	1,400	5,970	1,250	4,640
323	WB	I-80	Mace Blvd to Richards Blvd	HOV	25%	26%	29%	30%	1,180	4,900	1,040	3,790	HOV	25%	26%	29%	30%	1,170	4,790	1,050	3,810
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	26%	27%	28%	29%	1,520	5,530	1,220	4,770	HOV	26%	27%	28%	29%	1,530	5,600	1,190	4,760
325	WB	I-80	Truxel Rd to I-5	HOV	25%	25%	25%	26%	870	3,190	600	2,180	HOV	25%	25%	25%	26%	880	3,200	590	2,170
326	WB	I-80	I-5 to W El Camino Ave	HOV	25%	25%	25%	26%	1,010	3,730	840	2,980	HOV	25%	25%	25%	26%	1,020	3,720	820	2,960
327	WB	I-80	W El Camino Ave to Reed Ave	HOV	25%	25%	27%	29%	1,060	3,830	1,010	3,750	HOV	25%	25%	27%	29%	950	3,480	870	3,250
328	WB	I-80	Reed Ave to US 50	HOV	25%	25%	26%	28%	1,220	4,830	1,000	3,880	HOV	25%	25%	25%	27%	730	2,840	420	1,770

2029 Daily Total Volume (AADT)			2019 Existing			Alt 1 (No Build)			Alt 2 (Add HOV)			Alt 3 (Add HOT)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	67,910	80,514	148,424	69,900	82,750	152,650	75,200	87,830	163,030	75,300	87,900	163,200
I-80	Richards Blvd to Mace Blvd	2.44	66,330	79,009	145,339	68,600	82,200	150,800	75,900	89,400	165,300	76,100	89,500	165,600
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	73,774	84,822	158,596	77,200	88,600	165,800	87,100	99,900	187,000	87,200	99,900	187,100
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	77,369	87,559	164,928	81,100	92,400	173,500	90,600	102,700	193,300	90,700	102,700	193,400
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	83,256	90,941	174,197	90,900	99,600	190,500	101,500	111,000	212,500	101,400	111,000	212,400
US 50	I-80 to Harbor Blvd	1.20	70,797	69,346	140,143	74,100	71,900	146,000	81,600	80,000	161,600	81,300	79,900	161,200
US 50	Harbor Blvd to Jefferson Blvd	1.29	76,405	81,224	157,629	81,000	85,000	166,000	89,100	92,800	181,900	88,700	92,600	181,300
US 50	Jefferson Blvd to I-5	1.01	97,458	100,554	198,012	102,600	105,900	208,500	111,900	113,900	225,800	111,600	113,700	225,300
I-80	US 50 to Reed Ave	1.63	50,401	59,537	109,938	52,800	63,000	115,800	58,000	68,400	126,400	58,100	68,400	126,500
I-80	Reed Ave to W El Camino Ave	1.85	55,639	67,891	123,530	59,100	71,500	130,600	64,700	76,900	141,600	64,800	77,000	141,800
I-80	Old Davis Rd to US 50	10.80	72,875	84,085	156,960	76,109	88,064	164,173	84,702	97,279	181,981	84,817	97,311	182,128
US 50	I-80 to I-5	3.50	80,528	82,698	163,226	84,837	86,505	171,342	93,075	94,466	187,541	92,738	94,300	187,038
I-80	US 50 to W El Camino Ave	3.48	53,184	63,976	117,160	56,147	67,516	123,664	61,560	72,916	134,476	61,660	72,970	134,629
Total		17.78	70,532	79,879	150,411	73,925	83,738	157,663	81,826	91,960	173,786	81,849	91,957	173,806

2029 Daily Truck Percentage			2019 Existing			Alt 1 (No Build)			Alt 2 (Add HOV)			Alt 3 (Add HOT)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%
I-80	Richards Blvd to Mace Blvd	2.44	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%
US 50	I-80 to Harbor Blvd	1.20	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%
US 50	Harbor Blvd to Jefferson Blvd	1.29	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%
US 50	Jefferson Blvd to I-5	1.01	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%
I-80	US 50 to Reed Ave	1.63	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%
I-80	Reed Ave to W El Camino Ave	1.85	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%
I-80	Old Davis Rd to US 50	10.80	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%
US 50	I-80 to I-5	3.50	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%
I-80	US 50 to W El Camino Ave	3.48	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%
Total		17.78	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%

2029 Daily Truck Volume (AADT)			2019 Existing			Alt 1 (No Build)			Alt 2 (Add HOV)			Alt 3 (Add HOT)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	5,019	6,290	11,309	5,166	6,465	11,631	5,558	6,861	12,421	5,565	6,867	12,434
I-80	Richards Blvd to Mace Blvd	2.44	4,663	6,712	11,375	4,822	6,983	11,802	5,336	7,594	12,937	5,350	7,603	12,960
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	4,390	7,837	12,228	4,594	8,186	12,783	5,183	9,231	14,418	5,189	9,231	14,425
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	4,606	8,073	12,679	4,828	8,519	13,338	5,394	9,469	14,861	5,400	9,469	14,868
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	6,000	6,636	12,636	6,551	7,268	13,818	7,315	8,099	15,414	7,308	8,099	15,407
US 50	I-80 to Harbor Blvd	1.20	4,840	5,348	10,188	5,066	5,545	10,614	5,579	6,170	11,748	5,558	6,162	11,719
US 50	Harbor Blvd to Jefferson Blvd	1.29	5,886	5,518	11,404	6,240	5,775	12,009	6,864	6,305	13,160	6,833	6,291	13,116
US 50	Jefferson Blvd to I-5	1.01	5,507	7,237	12,744	5,798	7,622	13,419	6,323	8,198	14,533	6,306	8,183	14,501
I-80	US 50 to Reed Ave	1.63	3,632	4,091	7,724	3,805	4,329	8,135	4,180	4,700	8,880	4,187	4,700	8,887
I-80	Reed Ave to W El Camino Ave	1.85	3,885	4,436	8,321	4,127	4,671	8,797	4,518	5,024	9,538	4,525	5,031	9,551
I-80	Old Davis Rd to US 50	10.80	4,689	7,401	12,090	4,897	7,752	12,646	5,450	8,563	14,017	5,457	8,566	14,029
US 50	I-80 to I-5	3.50	5,489	5,975	11,464	5,782	6,250	12,034	6,344	6,825	13,171	6,321	6,813	13,136
I-80	US 50 to W El Camino Ave	3.48	3,770	4,281	8,051	3,980	4,518	8,498	4,363	4,880	9,241	4,370	4,883	9,251
Total		17.78	4,681	6,453	11,135	4,906	6,765	11,671	5,431	7,429	12,865	5,432	7,429	12,866

2029 Daily Total Volume (AADT)			Alt 4 (Add HOT3)			Alt 5 (Add Toll)			Alt 6 (Add Transit)			Alt 7 (Convert HOV)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	74,600	87,500	162,100	74,100	86,580	160,680	70,500	83,410	153,910	68,600	80,770	149,370
I-80	Richards Blvd to Mace Blvd	2.44	74,900	88,800	163,700	74,200	87,300	161,500	69,400	83,100	152,500	67,300	80,100	147,400
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	85,700	98,000	183,700	84,500	95,700	180,200	78,700	90,100	168,800	76,300	86,700	163,000
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	89,600	101,700	191,300	89,200	100,500	189,700	83,100	94,300	177,400	80,300	90,800	171,100
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	100,200	110,000	210,200	99,400	108,700	208,100	93,600	101,700	195,300	91,400	99,600	191,000
US 50	I-80 to Harbor Blvd	1.20	80,500	79,300	159,800	79,100	78,200	157,300	76,500	73,700	150,200	74,300	73,500	147,800
US 50	Harbor Blvd to Jefferson Blvd	1.29	87,800	91,800	179,600	86,400	90,900	177,300	83,900	86,700	170,600	81,400	86,300	167,700
US 50	Jefferson Blvd to I-5	1.01	110,400	112,900	223,300	109,100	112,200	221,300	105,300	107,500	212,800	104,400	106,900	211,300
I-80	US 50 to Reed Ave	1.63	57,800	67,900	125,700	57,400	67,400	124,800	54,000	64,200	118,200	53,500	62,600	116,100
I-80	Reed Ave to W El Camino Ave	1.85	64,500	76,700	141,200	64,100	76,200	140,300	61,000	73,200	134,200	60,300	71,600	131,900
I-80	Old Davis Rd to US 50	10.80	83,637	96,217	179,854	82,926	94,688	177,614	77,544	89,474	167,018	75,152	86,280	161,432
US 50	I-80 to I-5	3.50	91,787	93,569	185,355	90,415	92,658	183,073	87,507	88,211	175,718	85,570	87,822	173,392
I-80	US 50 to W El Camino Ave	3.48	61,360	72,576	133,936	60,960	72,076	133,036	57,719	68,982	126,701	57,113	67,382	124,495
Total		17.78	80,886	91,072	171,958	80,106	89,866	169,971	75,630	85,217	160,847	73,677	82,888	156,565

2029 Daily Truck Percentage			Alt 4 (Add HOT3)			Alt 5 (Add Toll)			Alt 6 (Add Transit)			Alt 7 (Convert HOV)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%
I-80	Richards Blvd to Mace Blvd	2.44	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%
US 50	I-80 to Harbor Blvd	1.20	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%
US 50	Harbor Blvd to Jefferson Blvd	1.29	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%
US 50	Jefferson Blvd to I-5	1.01	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%
I-80	US 50 to Reed Ave	1.63	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%
I-80	Reed Ave to W El Camino Ave	1.85	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%
I-80	Old Davis Rd to US 50	10.80	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%
US 50	I-80 to I-5	3.50	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%
I-80	US 50 to W El Camino Ave	3.48	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%
Total		17.78	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%

2029 Daily Truck Volume (AADT)			Alt 4 (Add HOT3)			Alt 5 (Add Toll)			Alt 6 (Add Transit)			Alt 7 (Convert HOV)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	5,513	6,836	12,351	5,476	6,764	12,242	5,210	6,516	11,727	5,070	6,310	11,381
I-80	Richards Blvd to Mace Blvd	2.44	5,265	7,543	12,811	5,216	7,416	12,639	4,879	7,059	11,935	4,731	6,804	11,536
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	5,100	9,055	14,163	5,029	8,842	13,893	4,683	8,325	13,014	4,541	8,011	12,567
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	5,335	9,377	14,707	5,311	9,266	14,584	4,948	8,695	13,638	4,781	8,372	13,154
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7,221	8,027	15,247	7,163	7,932	15,095	6,745	7,421	14,167	6,587	7,268	13,855
US 50	I-80 to Harbor Blvd	1.20	5,504	6,116	11,618	5,408	6,031	11,436	5,230	5,684	10,920	5,080	5,668	10,745
US 50	Harbor Blvd to Jefferson Blvd	1.29	6,763	6,237	12,993	6,656	6,176	12,827	6,463	5,890	12,342	6,270	5,863	12,132
US 50	Jefferson Blvd to I-5	1.01	6,239	8,126	14,372	6,165	8,076	14,243	5,950	7,737	13,696	5,899	7,694	13,600
I-80	US 50 to Reed Ave	1.63	4,165	4,666	8,831	4,137	4,632	8,768	3,892	4,412	8,304	3,856	4,302	8,156
I-80	Reed Ave to W El Camino Ave	1.85	4,504	5,011	9,511	4,476	4,978	9,450	4,260	4,782	9,040	4,211	4,678	8,885
I-80	Old Davis Rd to US 50	10.80	5,381	8,469	13,854	5,335	8,335	13,681	4,989	7,876	12,865	4,835	7,595	12,435
US 50	I-80 to I-5	3.50	6,256	6,761	13,018	6,162	6,695	12,858	5,964	6,374	12,341	5,832	6,345	12,178
I-80	US 50 to W El Camino Ave	3.48	4,349	4,857	9,204	4,321	4,823	9,142	4,091	4,616	8,707	4,048	4,509	8,555
Total		17.78	5,368	7,358	12,730	5,317	7,260	12,583	5,020	6,885	11,907	4,890	6,696	11,590

2029 Daily Total Volume (AADT)			Alt 8 (Add HOV Med)			Alt 9 (Add HOV no Ent)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	75,300	87,660	162,960	75,200	87,370	162,570
I-80	Richards Blvd to Mace Blvd	2.44	76,000	89,310	165,310	75,700	88,900	164,600
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	87,200	99,910	187,110	86,800	99,400	186,200
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	90,600	102,710	193,310	90,200	102,200	192,400
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	101,600	111,210	212,810	95,800	105,100	200,900
US 50	I-80 to Harbor Blvd	1.20	82,100	80,200	162,300	82,300	79,100	161,400
US 50	Harbor Blvd to Jefferson Blvd	1.29	89,600	93,200	182,800	88,300	91,900	180,200
US 50	Jefferson Blvd to I-5	1.01	112,000	114,400	226,400	111,600	113,900	225,500
I-80	US 50 to Reed Ave	1.63	58,300	68,500	126,800	56,400	68,000	124,400
I-80	Reed Ave to W El Camino Ave	1.85	64,800	76,900	141,700	63,900	76,400	140,300
I-80	Old Davis Rd to US 50	10.80	84,768	97,250	182,018	84,229	96,582	180,811
US 50	I-80 to I-5	3.50	93,460	94,826	188,286	92,934	93,824	186,759
I-80	US 50 to W El Camino Ave	3.48	61,754	72,963	134,717	60,385	72,463	132,848
Total		17.78	81,980	92,022	174,003	81,281	91,322	172,603

2029 Daily Truck Percentage			Alt 8 (Add HOV Med)			Alt 9 (Add HOV no Ent)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%
I-80	Richards Blvd to Mace Blvd	2.44	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%
US 50	I-80 to Harbor Blvd	1.20	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%
US 50	Harbor Blvd to Jefferson Blvd	1.29	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%
US 50	Jefferson Blvd to I-5	1.01	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%
I-80	US 50 to Reed Ave	1.63	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%
I-80	Reed Ave to W El Camino Ave	1.85	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%
I-80	Old Davis Rd to US 50	10.80	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%
US 50	I-80 to I-5	3.50	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%
I-80	US 50 to W El Camino Ave	3.48	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%
Total		17.78	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%

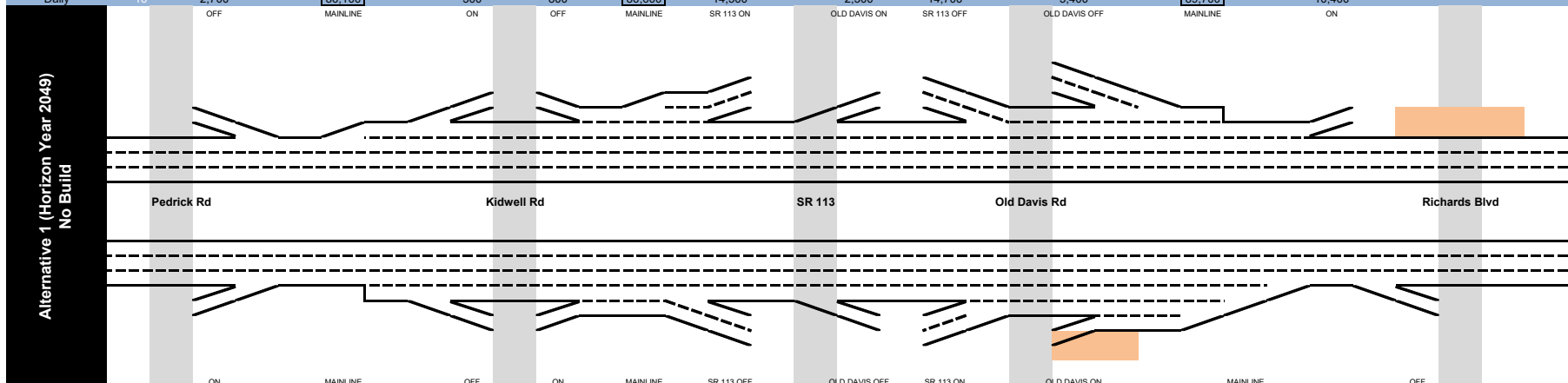
2029 Daily Truck Volume (AADT)			Alt 8 (Add HOV Med)			Alt 9 (Add HOV no Ent)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	5,565	6,848	12,416	5,558	6,825	12,386
I-80	Richards Blvd to Mace Blvd	2.44	5,343	7,587	12,937	5,321	7,552	12,882
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	5,189	9,231	14,426	5,165	9,184	14,356
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	5,394	9,470	14,861	5,370	9,423	14,791
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7,322	8,115	15,437	6,904	7,669	14,573
US 50	I-80 to Harbor Blvd	1.20	5,613	6,185	11,799	5,627	6,100	11,734
US 50	Harbor Blvd to Jefferson Blvd	1.29	6,902	6,332	13,225	6,802	6,243	13,037
US 50	Jefferson Blvd to I-5	1.01	6,329	8,234	14,572	6,306	8,198	14,514
I-80	US 50 to Reed Ave	1.63	4,201	4,707	8,908	4,065	4,673	8,740
I-80	Reed Ave to W El Camino Ave	1.85	4,525	5,024	9,545	4,462	4,992	9,450
I-80	Old Davis Rd to US 50	10.80	5,454	8,560	14,020	5,419	8,501	13,927
US 50	I-80 to I-5	3.50	6,370	6,851	13,224	6,334	6,779	13,117
I-80	US 50 to W El Camino Ave	3.48	4,377	4,883	9,257	4,280	4,849	9,129
Total		17.78	5,441	7,434	12,881	5,395	7,378	12,777

# **Appendix F:**

## **Opening Year 2029 Forecast Volumes**

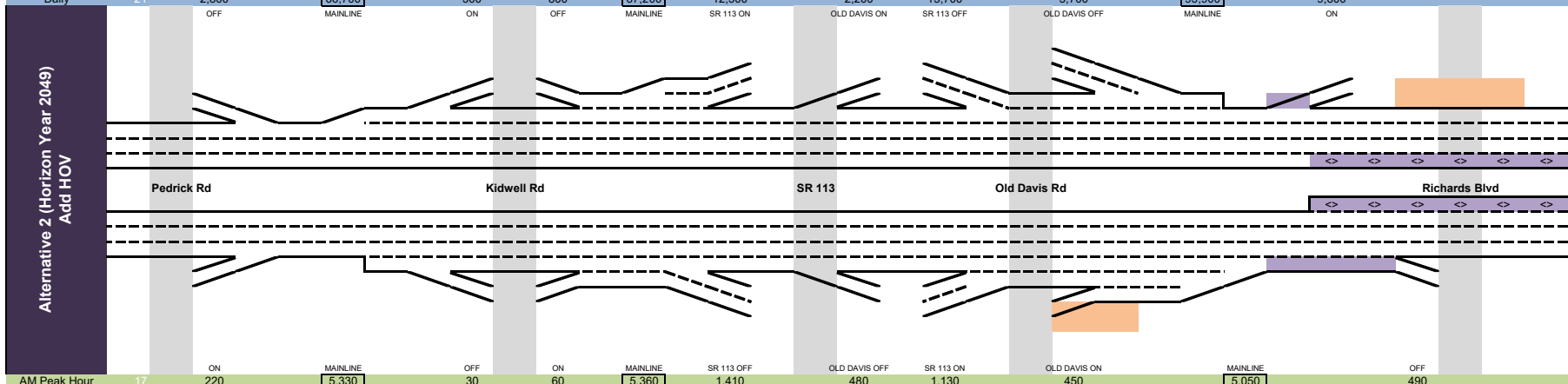


AM Peak Hour	12	210	5,290	40	70	5,320	1,340	70	1,290	550	5,750	690
AM Peak Period	13	630	20,730	80	190	20,840	4,080	340	4,540	1,920	22,880	2,410
PM Peak Hour	14	180	4,200	20	40	4,220	910	220	1,040	330	4,460	880
PM Peak Period	15	1,050	15,650	50	150	15,750	3,450	740	4,010	1,050	16,620	3,450
Daily	16	2,700	86,100	300	800	86,600	14,500	2,500	14,700	5,400	89,700	10,400



AM Peak Hour	12	220	5,230	30	60	5,260	1,520	520	1,060	410	4,690	520
AM Peak Period	13	570	18,000	90	150	18,060	4,550	1,480	3,170	1,520	16,720	2,060
PM Peak Hour	14	130	4,800	50	80	4,830	1,440	350	560	590	4,190	540
PM Peak Period	15	480	18,630	170	230	18,690	4,540	1,120	2,850	2,380	18,260	2,440
Daily	16	2,000	77,300	600	800	77,500	16,400	5,000	11,500	8,700	76,300	8,400

AM Peak Hour	17	210	5,310	40	70	5,340	1,090	70	1,440	580	6,200	630
AM Peak Period	18	630	20,870	80	190	20,980	3,250	310	4,950	2,020	24,390	2,240
PM Peak Hour	19	170	4,230	20	40	4,250	770	220	1,210	380	4,850	820
PM Peak Period	20	700	15,220	50	150	15,320	2,910	730	4,640	1,200	17,520	3,170
Daily	21	2,800	86,700	300	800	87,200	12,500	2,200	15,700	5,700	93,900	9,800

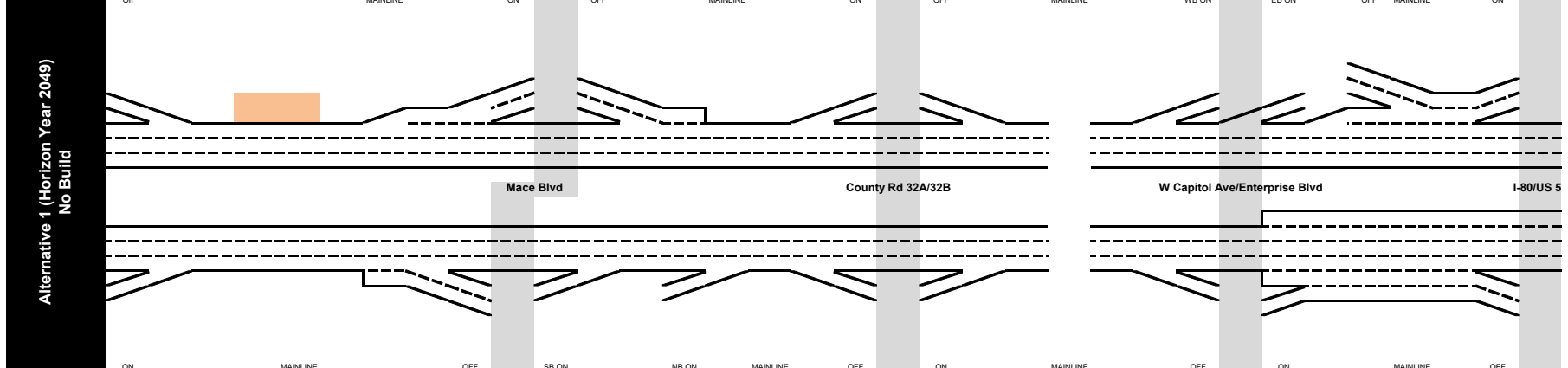


AM Peak Hour	17	220	5,330	30	60	5,360	1,410	480	1,130	450	5,050	490
AM Peak Period	18	590	18,080	90	150	18,140	3,980	1,310	3,380	1,630	17,860	1,920
PM Peak Hour	19	130	4,830	50	80	4,860	1,050	340	760	640	4,870	490
PM Peak Period	20	490	18,720	170	230	18,780	3,590	1,070	3,480	2,570	20,170	2,190
Daily	21	2,100	78,100	600	800	78,300	14,000	4,800	12,800	9,200	81,500	8,100

Alternative 1 (Horizon Year 2049)  
No Build

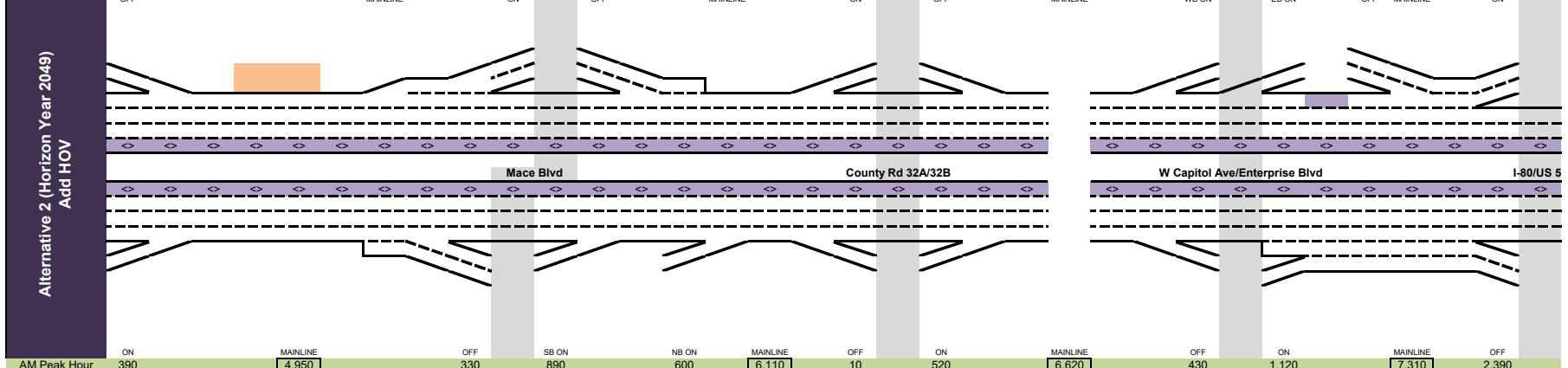
Alternative 2 (Horizon Year 2049)  
Add HOV

AM Peak Hour	920	5,980	480	850	6,350	10	790	7,130	610	430	1,180	7,270	3,460
AM Peak Period	3,960	24,430	1,790	3,200	25,840	70	2,640	28,410	1,630	1,280	3,980	29,480	13,470
PM Peak Hour	510	4,090	400	1,160	4,850	40	1,000	5,810	280	200	900	6,230	3,180
PM Peak Period	1,920	15,090	1,570	4,450	17,970	80	3,140	21,030	1,140	730	3,300	22,460	10,970
Daily	9,400	88,700	6,500	14,900	97,100	300	8,300	105,100	4,700	3,800	17,800	114,400	52,900



AM Peak Hour	360	4,530	330	800	5,540	10	620	6,150	440	1,140	6,850	2,210
AM Peak Period	1,270	15,930	1,190	2,710	19,250	40	1,990	21,200	1,520	4,510	24,190	9,240
PM Peak Hour	460	4,110	180	960	5,430	10	830	6,250	510	1,490	7,230	3,040
PM Peak Period	1,860	17,680	940	3,370	21,850	40	2,710	24,520	2,150	5,290	27,660	12,880
Daily	7,100	75,000	4,900	10,600	86,300	300	7,600	93,600	7,000	18,600	105,200	42,900

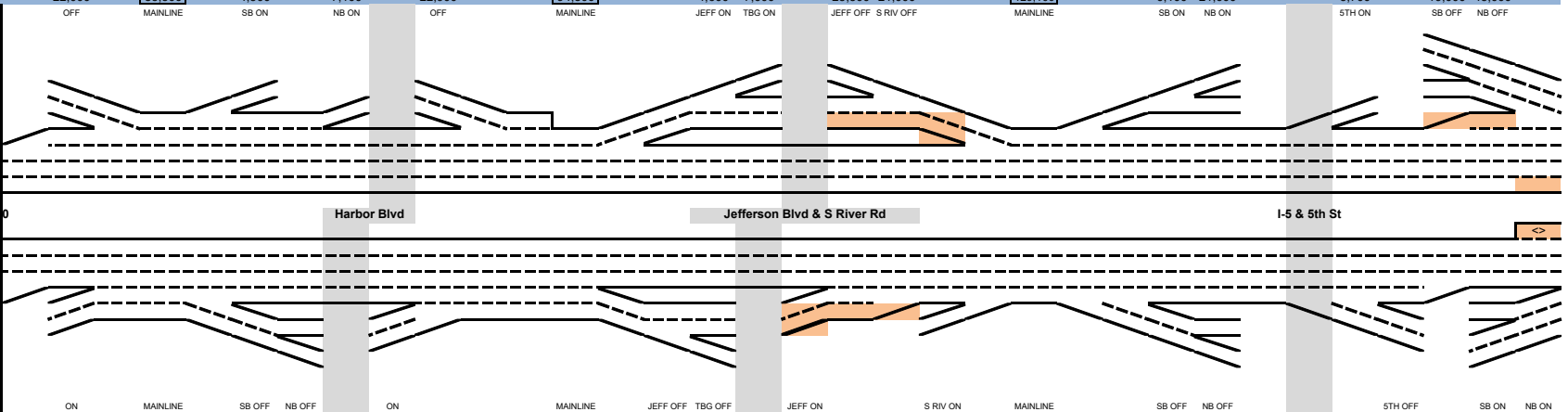
AM Peak Hour	970	6,540	490	1,120	7,170	10	560	7,720	600	420	1,120	7,820	3,730
AM Peak Period	4,350	26,500	1,770	4,220	28,950	70	1,520	30,400	1,580	1,340	3,870	31,350	14,430
PM Peak Hour	630	4,660	390	1,670	5,940	40	560	6,460	260	240	900	6,860	3,170
PM Peak Period	2,420	16,770	1,570	6,170	21,370	80	2,180	23,470	1,090	870	3,360	24,870	11,360
Daily	10,500	94,600	6,400	19,100	107,300	300	3,600	110,600	4,300	4,400	17,200	119,100	54,700



AM Peak Hour	390	4,950	330	890	6,110	10	520	6,620	430	1,120	6,310	2,390
AM Peak Period	1,360	17,300	1,170	2,820	20,920	40	1,340	22,220	1,560	4,650	25,310	9,070
PM Peak Hour	580	4,960	190	810	6,280	10	770	7,040	510	1,430	7,960	3,290
PM Peak Period	2,330	20,310	1,010	3,080	24,620	40	2,340	26,920	2,230	5,000	29,690	13,940
Daily	8,100	81,500	5,000	10,700	94,700	300	4,500	98,900	7,400	19,200	110,700	45,200

AM Peak Hour	1,720	5,530	230	820	2,100	6,580	330	490	1,600	1,290	8,650	270	1,530	270	710	2,890
AM Peak Period	5,290	21,300	860	2,300	7,090	25,230	1,190	1,940	5,330	4,480	31,910	1,080	6,300	770	2,900	11,000
PM Peak Hour	2,190	5,240	550	630	2,050	6,110	510	930	1,870	1,400	7,940	490	970	450	1,850	1,930
PM Peak Period	7,320	18,810	1,640	2,400	6,400	21,170	1,590	2,700	7,480	5,120	29,480	1,770	3,230	1,490	7,080	7,470
Daily	22,000	83,500	4,500	7,100	22,900	94,800	4,600	7,600	25,500	21,000	129,100	6,100	21,600	3,700	19,000	45,000
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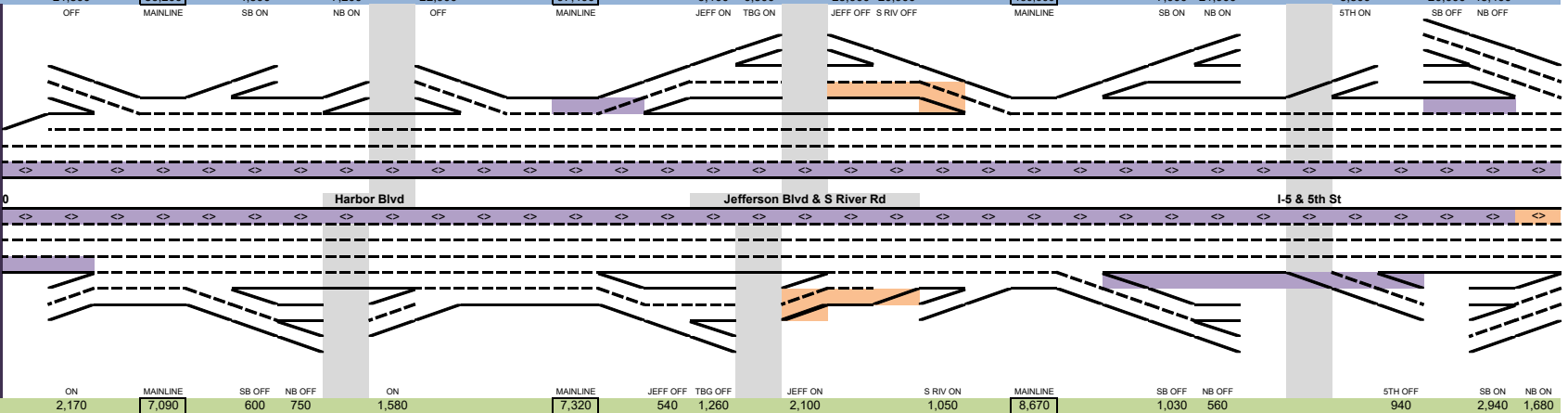
Alternative 1 (Horizon Year 2049)  
No Build



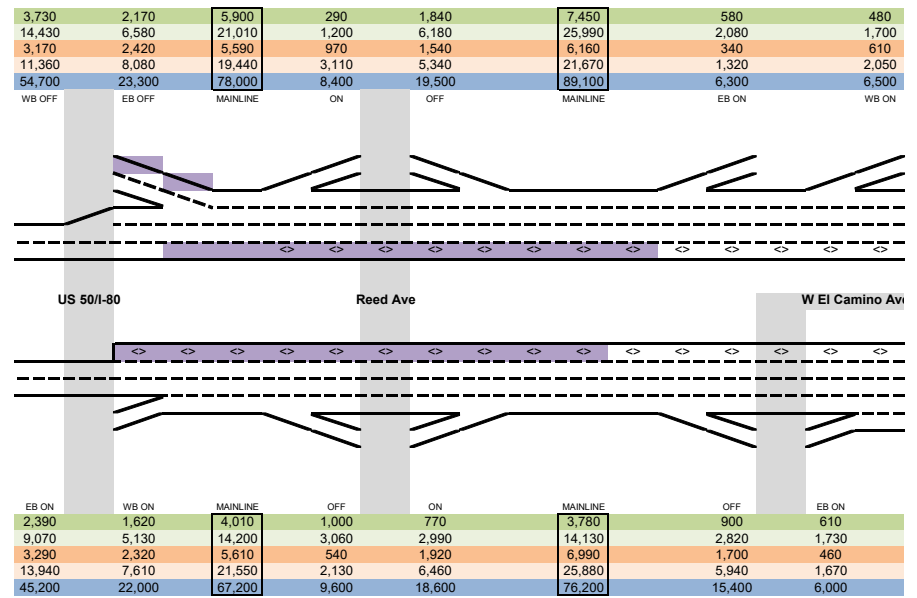
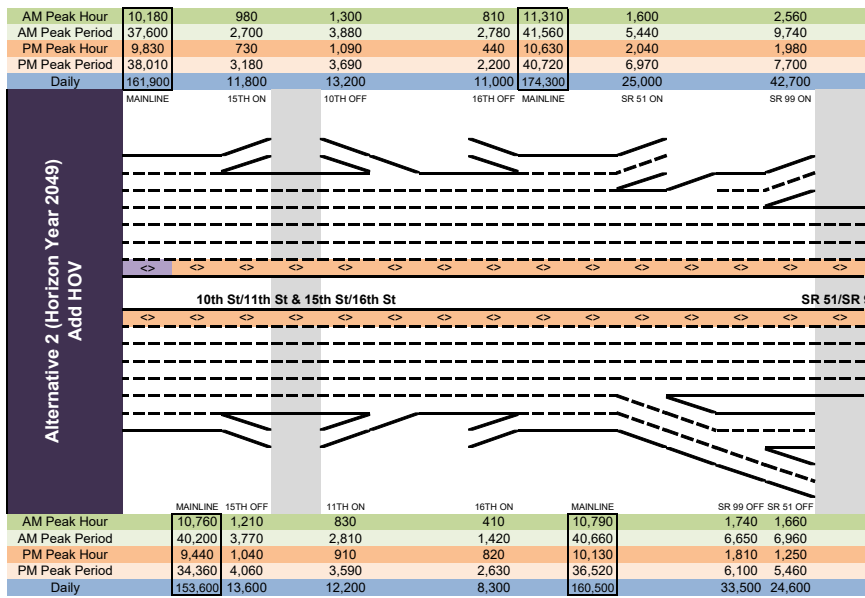
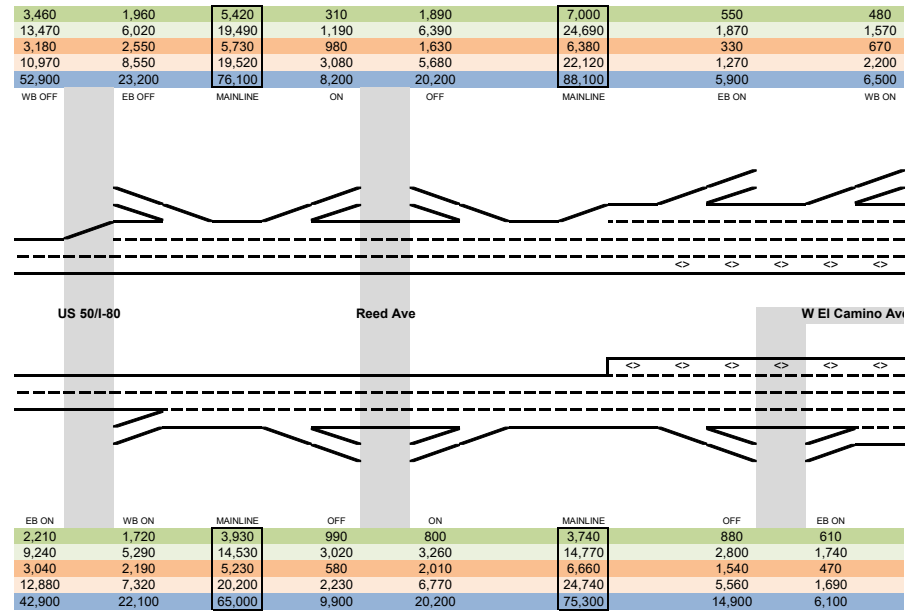
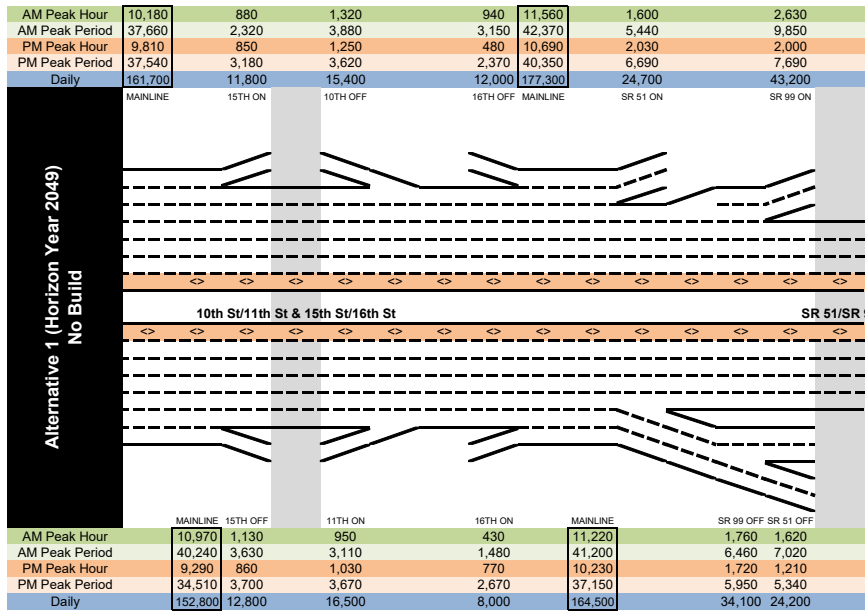
AM Peak Hour	1,960	6,600	570	760	1,880	7,150	550	1,370	2,100	1,050	8,380	920	370	1,000	3,190	1,690
AM Peak Period	6,020	20,970	1,470	2,460	5,430	22,470	1,700	3,460	8,400	3,440	29,150	3,860	660	2,460	12,270	5,800
PM Peak Hour	2,550	6,740	660	700	1,740	7,120	720	1,160	2,100	1,050	8,390	1,480	60	1,180	2,770	850
PM Peak Period	8,550	23,330	2,320	2,500	6,630	25,140	2,630	3,760	8,400	4,160	31,310	6,880	360	4,220	10,960	3,700
Daily	23,500	85,800	6,100	9,400	21,200	91,500	7,300	10,100	35,700	10,800	120,600	22,800	3,600	10,300	50,900	18,000
	ON	MAINLINE	SB OFF	NB OFF	ON	MAINLINE	JEFF OFF	TBG OFF	JEFF ON	S RIV ON	MAINLINE	SB OFF	NB OFF	5TH OFF	SB ON	NB ON

AM Peak Hour	1,620	5,710	230	800	2,160	6,840	320	440	1,380	1,330	8,790	270	1,540	330	710	2,820
AM Peak Period	5,130	22,050	900	2,310	6,970	25,810	1,170	1,670	4,940	4,750	32,660	1,090	6,360	1,100	2,790	10,700
PM Peak Hour	2,320	6,010	520	670	1,820	6,640	520	990	1,870	1,380	8,380	480	1,060	510	1,820	1,680
PM Peak Period	7,610	21,120	1,530	2,460	6,140	23,270	1,700	2,930	7,480	5,140	31,260	1,750	3,460	1,810	6,830	6,940
Daily	21,800	86,200	4,500	7,200	22,900	97,400	5,100	6,500	23,900	20,900	130,600	7,000	21,900	3,800	20,600	43,400
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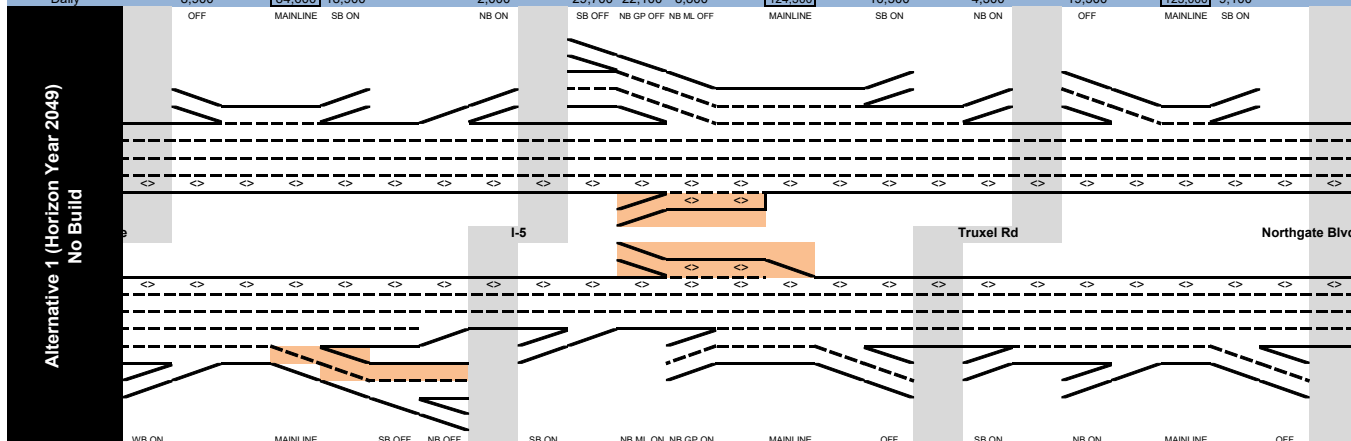
Alternative 2 (Horizon Year 2049)  
Add HOV



AM Peak Hour	2,170	7,090	600	750	1,580	7,320	540	1,260	2,100	1,050	8,670	840	560	940	2,940	1,680
AM Peak Period	6,580	22,820	1,520	2,450	5,350	24,200	1,810	3,280	8,400	3,390	30,900	4,110	1,410	2,750	11,770	5,800
PM Peak Hour	2,420	7,090	640	710	1,800	7,540	750	880	2,100	1,050	9,060	1,680	230	1,220	2,620	890
PM Peak Period	8,080	23,830	2,140	2,550	6,410	25,550	2,600	2,690	8,400	4,070	32,730	7,250	1,230	4,080	10,370	3,820
Daily	23,400	88,900	5,500	9,400	22,000	96,000	7,200	8,400	33,900	10,600	124,900	22,900	5,800	9,900	49,300	18,000
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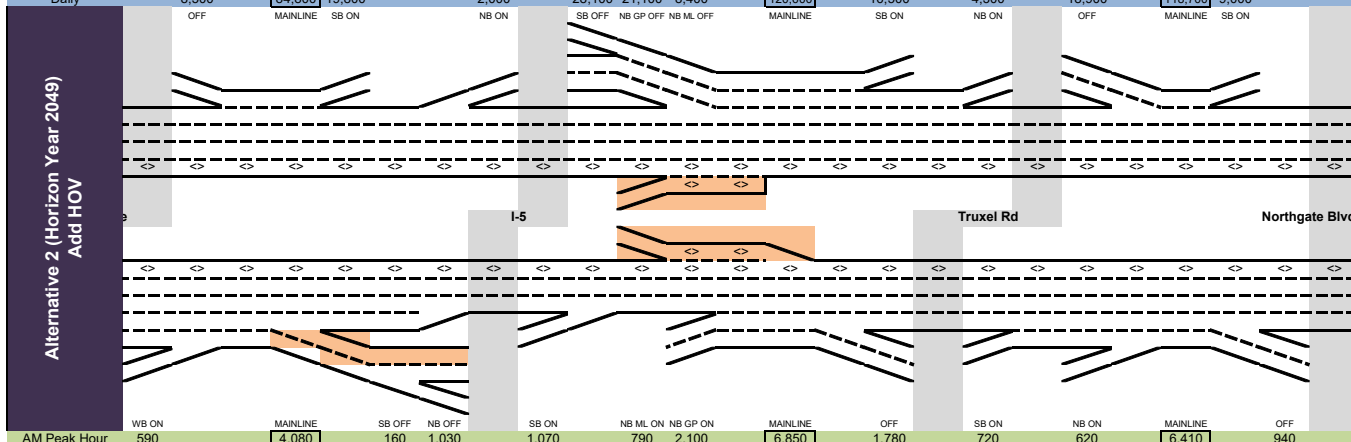


AM Peak Hour	1,090	7,060	1,740	80	2,330	1,030	880	9,480	1,360	360	1,160	8,920	620
AM Peak Period	3,030	24,280	5,600	360	7,380	4,170	2,930	32,800	4,100	1,160	3,860	31,400	2,060
PM Peak Hour	600	5,980	1,610	220	1,890	1,420	730	8,190	1,370	200	1,500	8,120	830
PM Peak Period	2,180	20,830	5,470	630	6,820	5,640	2,650	29,840	4,730	870	5,710	29,950	2,790
Daily	8,900	84,600	18,900	2,000	29,700	22,100	8,800	124,300	16,500	4,300	19,500	123,000	9,100



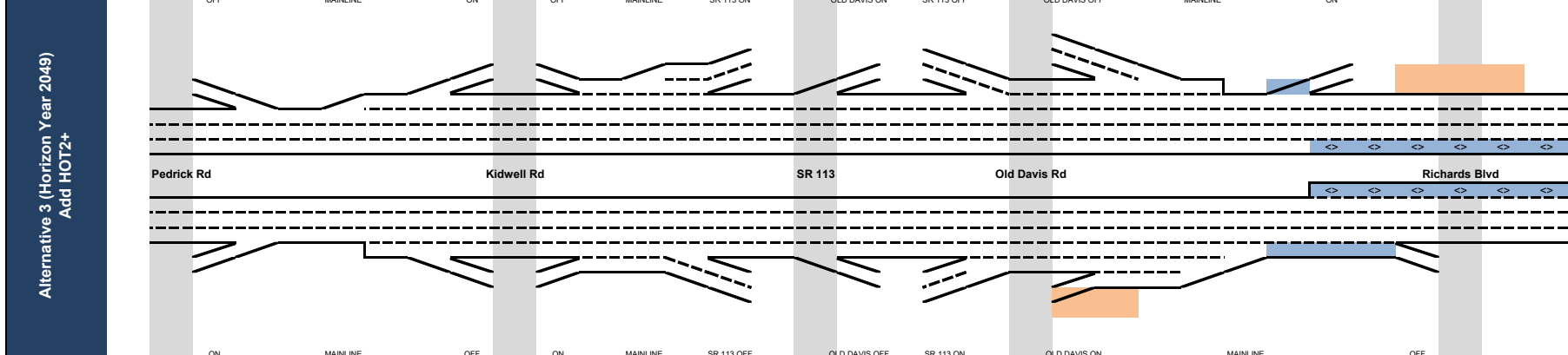
AM Peak Hour	620	4,090	160	1,050	1,070	750	2,010	6,710	1,600	670	610	6,390	930
AM Peak Period	1,820	15,530	550	3,370	3,880	2,470	6,420	24,380	4,910	2,340	2,450	24,260	3,380
PM Peak Hour	790	6,380	60	2,010	1,070	830	2,040	8,250	1,380	560	610	8,040	780
PM Peak Period	2,630	23,500	470	6,600	4,000	2,970	7,460	30,860	6,100	2,360	2,200	29,320	2,910
Daily	7,600	74,100	1,700	16,800	18,000	8,700	29,000	111,300	20,300	12,300	8,900	112,200	12,700

AM Peak Hour	980	7,370	1,920	80	2,130	1,050	810	9,360	1,340	360	1,130	8,790	590
AM Peak Period	2,740	24,950	6,130	360	6,910	4,050	2,750	32,170	4,030	1,130	3,730	30,740	2,020
PM Peak Hour	550	5,760	1,520	220	1,820	1,360	700	7,900	1,400	210	1,440	7,730	800
PM Peak Period	2,080	20,380	5,420	630	6,540	5,420	2,590	28,880	4,720	870	5,550	28,840	2,670
Daily	8,500	84,800	19,800	2,000	28,100	21,100	8,400	120,600	16,500	4,300	18,900	118,700	9,000



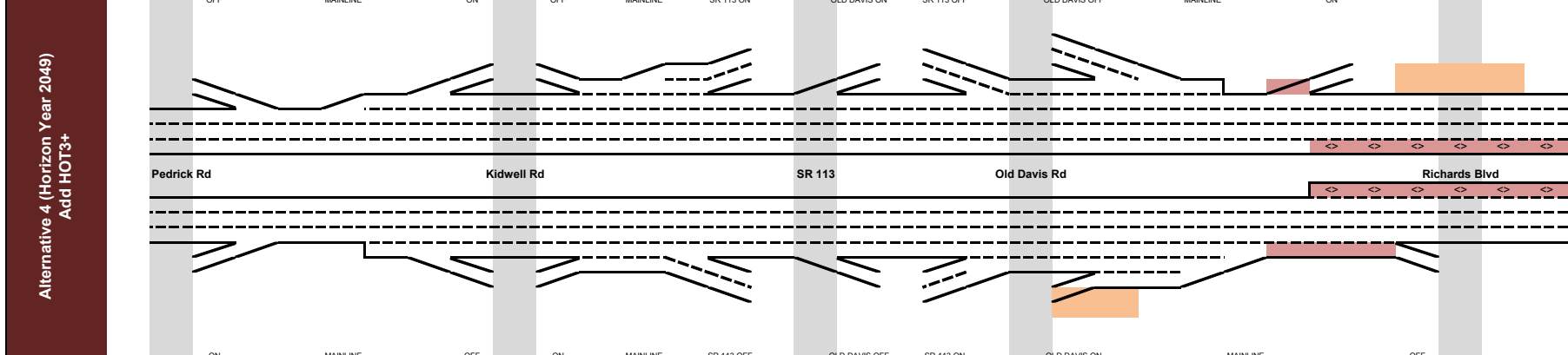
AM Peak Hour	590	4,080	160	1,030	1,070	790	2,100	6,850	1,780	720	620	6,410	940
AM Peak Period	1,730	14,770	540	3,270	3,540	2,430	6,270	23,200	4,880	2,320	2,410	23,050	3,270
PM Peak Hour	730	6,480	100	2,120	930	820	2,040	8,050	1,340	560	570	7,840	770
PM Peak Period	2,470	24,080	480	7,090	3,690	2,970	7,460	30,630	6,160	2,360	2,060	28,890	3,020
Daily	7,300	74,100	1,600	17,500	16,700	8,300	27,700	107,700	19,900	11,800	8,400	108,000	12,600

AM Peak Hour	22	210	5,380	40	70	5,410	1,070	60	1,420	570	6,270	620
AM Peak Period	23	620	20,950	80	190	21,060	3,200	310	4,850	2,000	24,400	2,230
PM Peak Hour	24	170	4,270	20	40	4,290	760	230	1,230	370	4,900	820
PM Peak Period	25	710	15,590	50	150	15,690	2,880	740	4,750	1,230	18,050	3,180
Daily	26	2,700	87,300	300	800	87,800	12,400	2,200	15,700	5,700	94,600	9,800



AM Peak Hour	22	220	5,380	30	60	5,410	1,380	470	1,230	460	5,250	480
AM Peak Period	23	580	18,090	90	150	18,150	3,950	1,300	3,500	1,660	18,060	1,900
PM Peak Hour	24	130	4,840	50	80	4,870	1,040	340	720	650	4,860	490
PM Peak Period	25	480	18,720	170	230	18,780	3,490	1,070	3,470	2,590	20,280	2,180
Daily	26	2,100	78,100	600	800	78,300	13,800	4,800	12,800	9,200	81,700	8,000

AM Peak Hour	27	210	5,400	40	70	5,430	1,080	70	1,370	560	6,210	660
AM Peak Period	28	630	20,960	90	190	21,060	3,240	310	4,770	1,980	24,260	2,290
PM Peak Hour	29	170	4,230	20	40	4,250	770	230	1,130	360	4,740	810
PM Peak Period	30	690	14,780	50	150	14,880	2,910	660	4,280	1,180	16,770	3,210
Daily	31	2,800	86,800	300	800	87,300	12,400	2,200	15,100	5,600	93,400	9,800

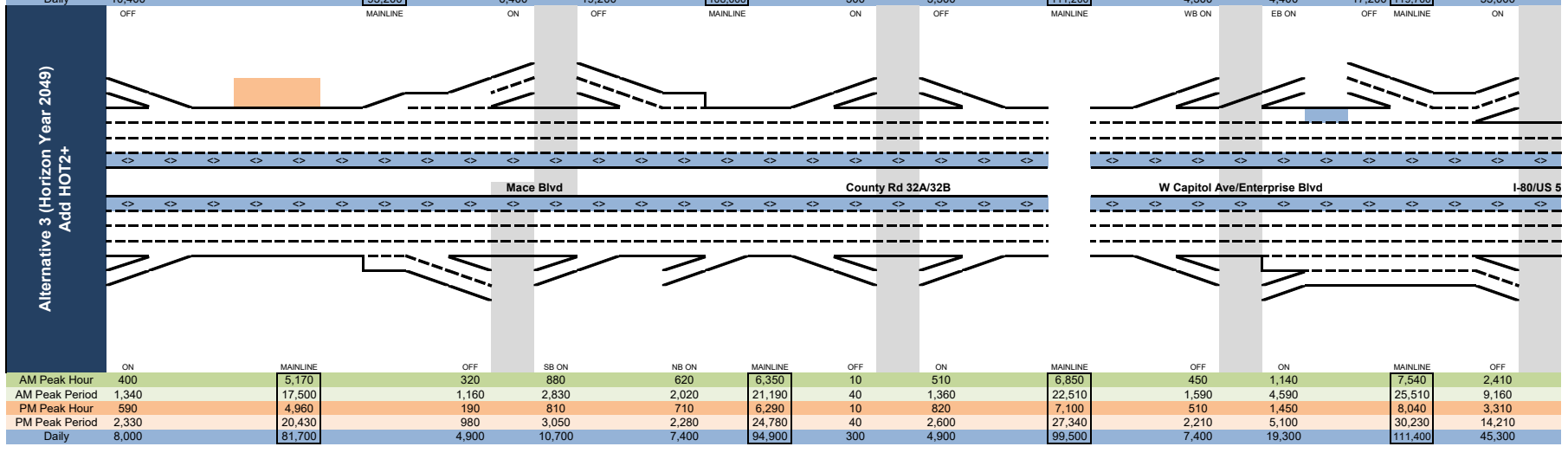


AM Peak Hour	27	220	5,380	30	60	5,410	1,390	470	1,190	450	5,190	500
AM Peak Period	28	580	18,030	90	150	18,090	3,950	1,300	3,430	1,650	17,920	1,930
PM Peak Hour	29	130	4,930	50	80	4,960	1,260	340	690	630	4,680	500
PM Peak Period	30	480	18,690	170	230	18,750	4,170	1,050	3,310	2,500	19,340	2,180
Daily	31	2,100	78,100	600	800	78,300	14,500	4,800	12,500	9,100	80,600	8,100

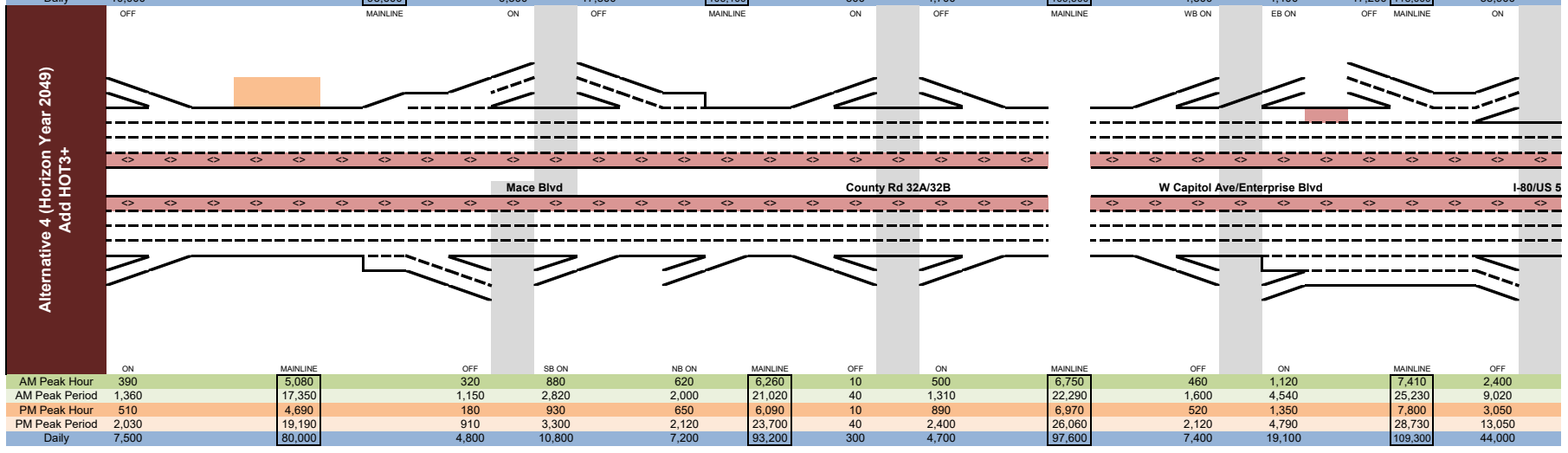
Alternative 3 (Horizon Year 2049)  
Add HOT2+

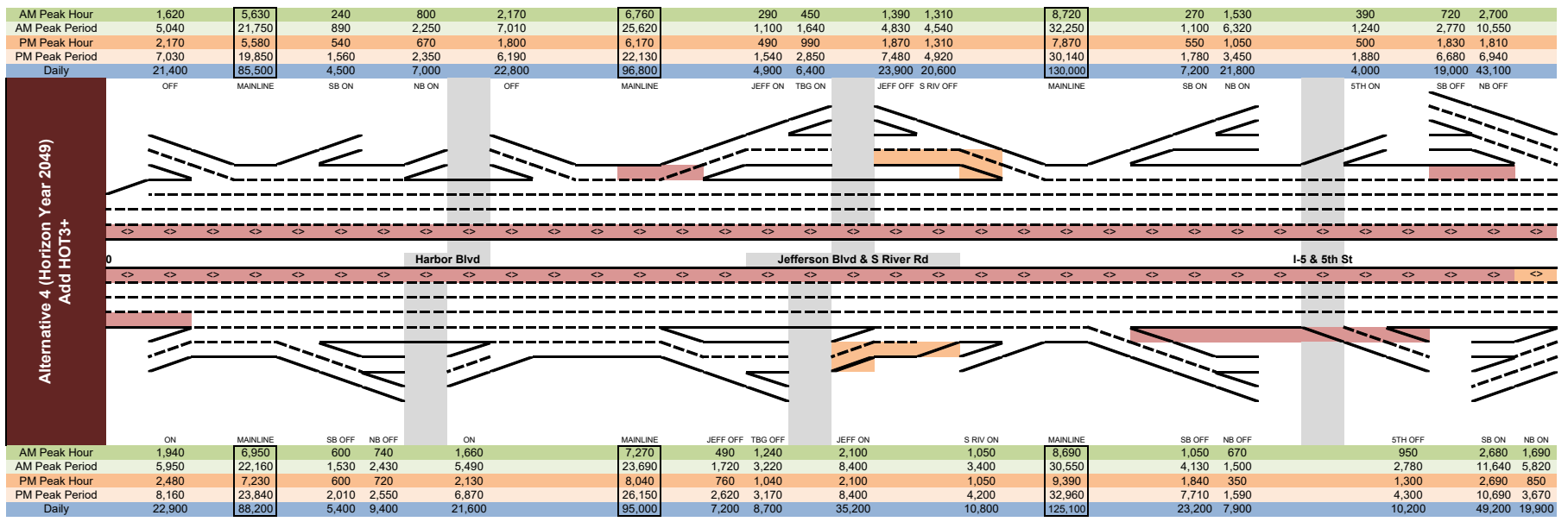
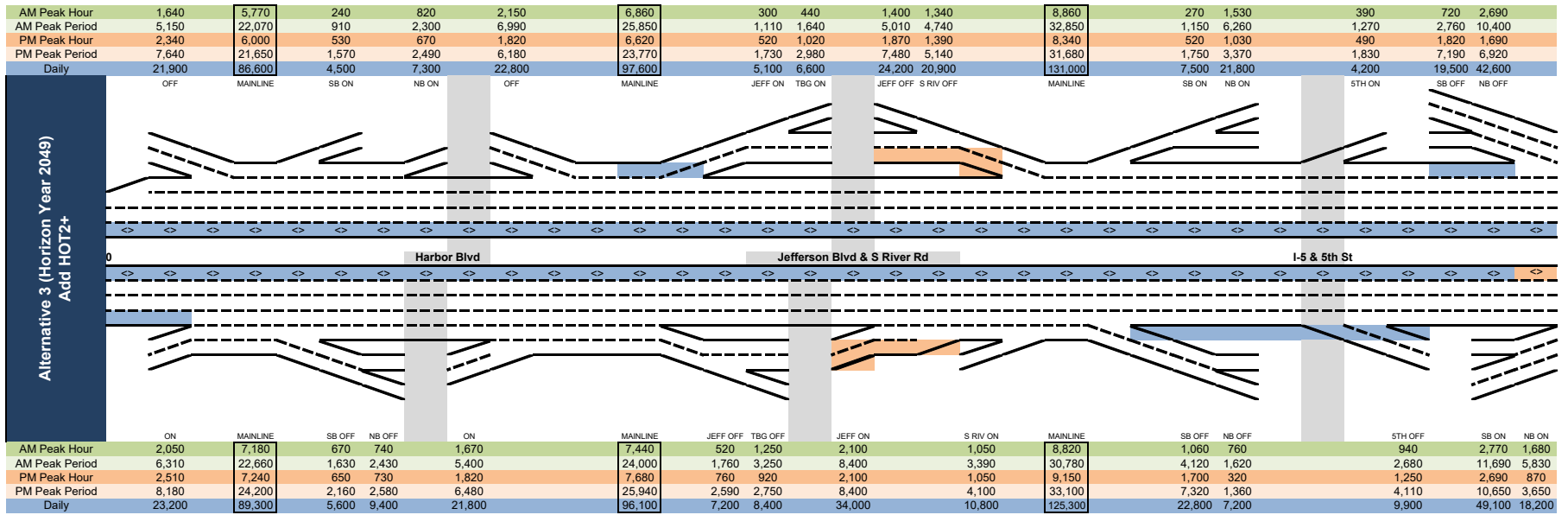
Alternative 4 (Horizon Year 2049)  
Add HOT3+

AM Peak Hour	950	6,600	480	1,130	7,250	10	570	7,810	610	420	1,100	7,880	3,750
AM Peak Period	4,360	26,530	1,760	4,310	29,080	70	1,430	30,440	1,580	1,360	3,830	31,330	14,410
PM Peak Hour	630	4,710	390	1,650	5,970	40	480	6,410	270	250	900	6,790	3,130
PM Peak Period	2,410	17,280	1,570	6,230	21,940	80	2,130	23,990	1,090	880	3,350	25,370	11,360
Daily	10,400	95,200	6,400	19,200	108,000	300	3,500	111,200	4,300	4,400	17,200	119,700	55,000

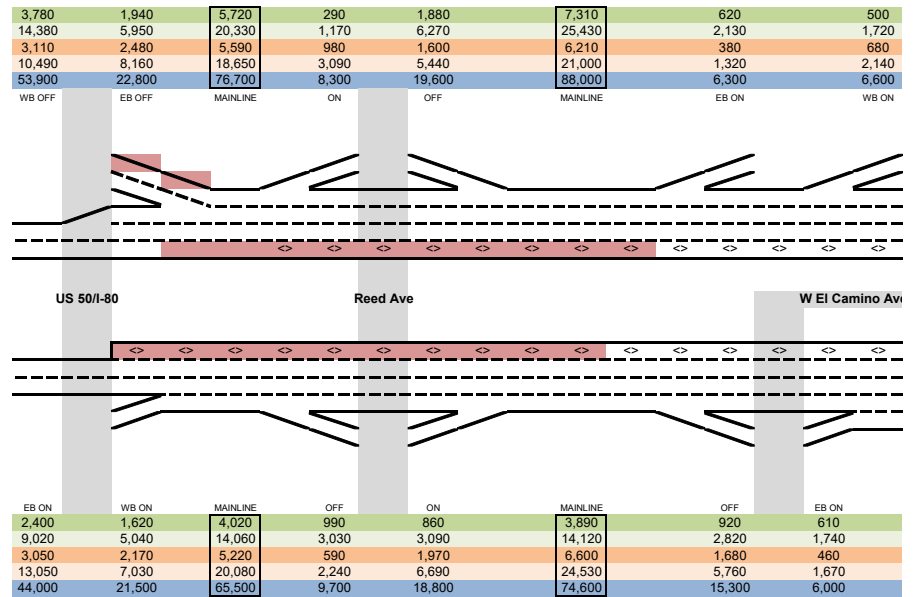
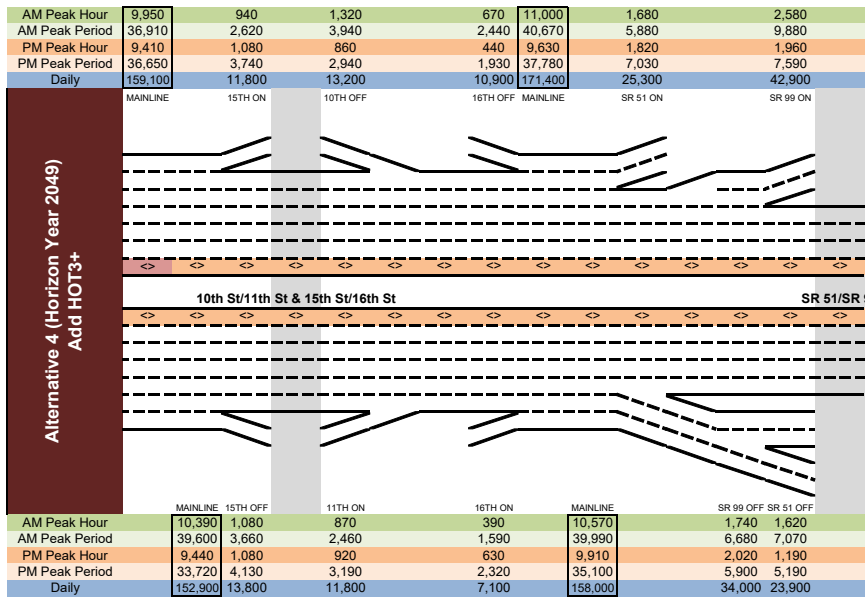
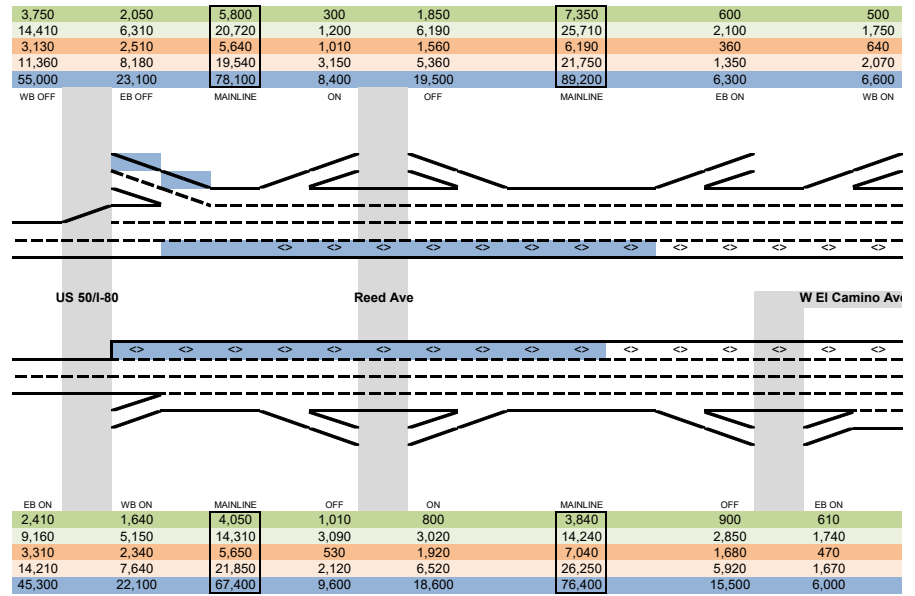
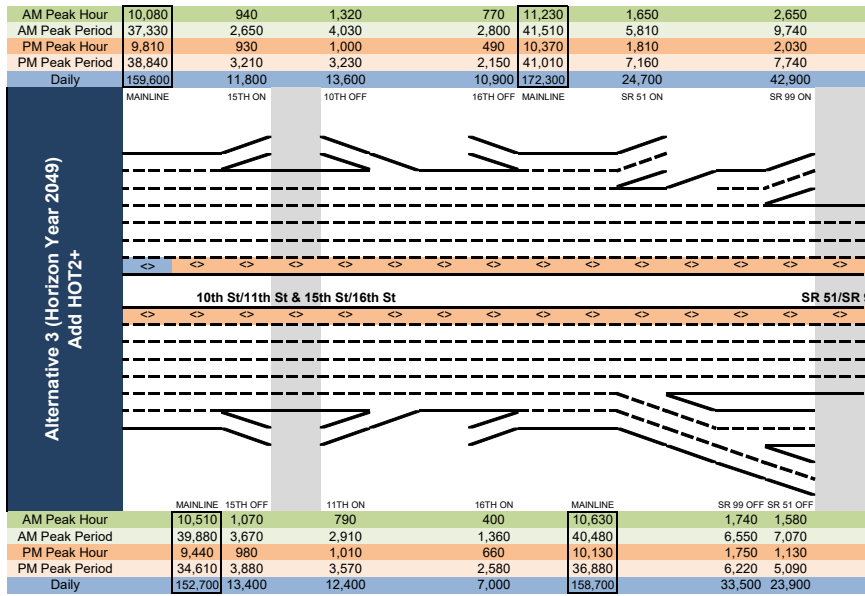


AM Peak Hour	880	6,430	470	1,000	6,960	10	750	7,700	600	410	1,100	7,790	3,780
AM Peak Period	4,190	26,160	1,750	4,060	28,470	70	1,890	30,290	1,630	1,340	3,770	31,090	14,380
PM Peak Hour	560	4,490	390	1,380	5,480	40	680	6,120	260	230	890	6,520	3,110
PM Peak Period	2,160	15,720	1,550	5,090	19,260	80	2,700	21,880	1,090	770	3,290	23,310	10,490
Daily	10,000	93,600	6,300	17,800	105,100	300	4,700	109,500	4,300	4,400	17,200	118,000	53,900

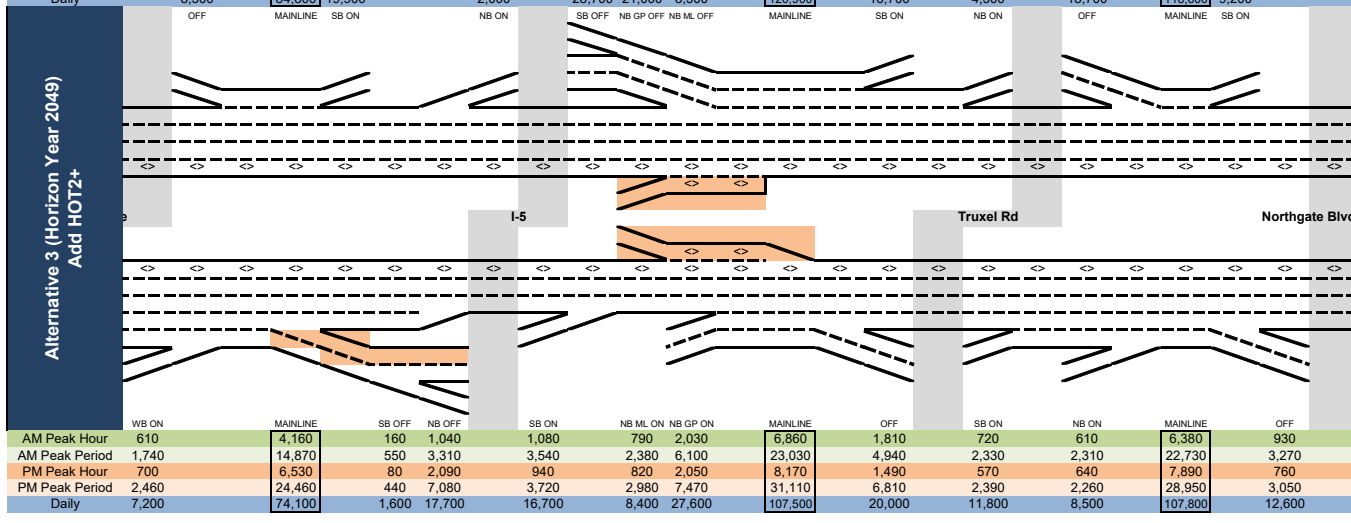




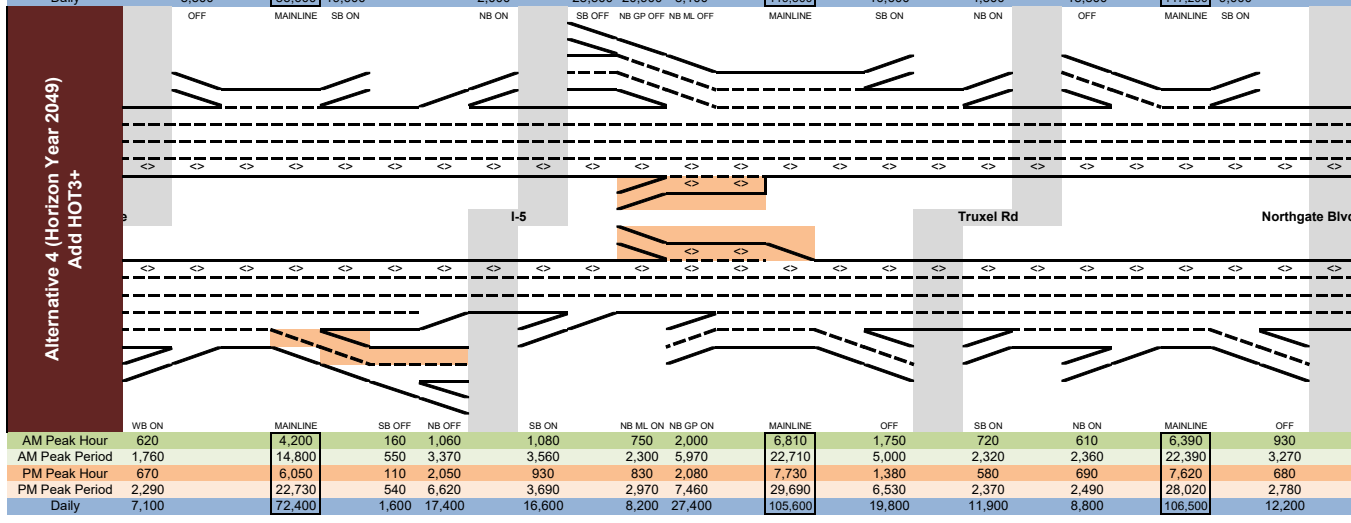




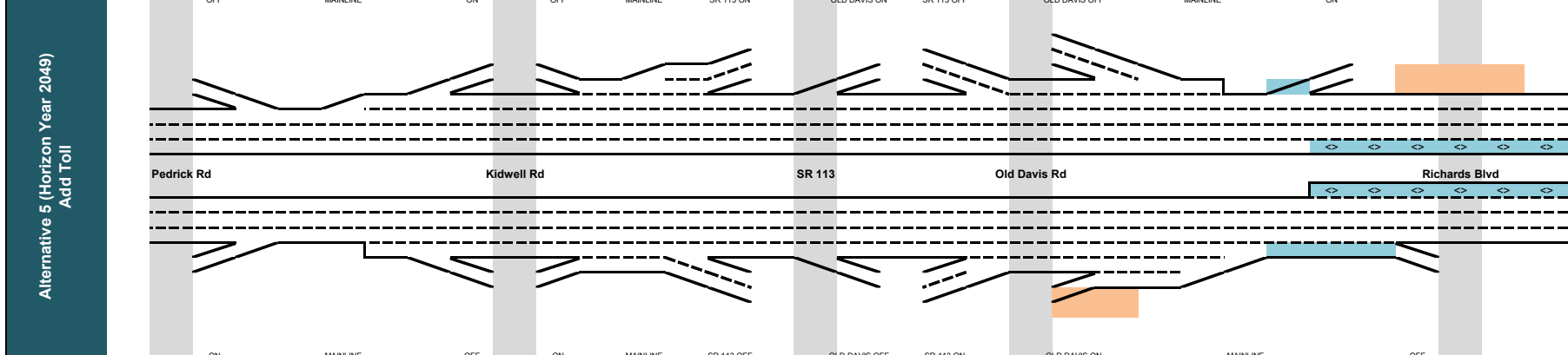
AM Peak Hour	980	7,230	1,940	80	2,330	1,010	840	9,390	1,440	360	1,100	8,690	580
AM Peak Period	2,740	24,600	6,180	360	7,380	4,020	2,820	32,280	4,340	1,160	3,650	30,430	2,050
PM Peak Hour	550	5,740	1,550	220	1,860	1,320	700	7,850	1,370	210	1,440	7,710	830
PM Peak Period	2,070	20,400	5,440	630	6,700	5,280	2,580	28,890	4,730	880	5,500	28,780	2,760
Daily	8,500	84,800	19,900	2,000	28,700	21,000	8,300	120,900	16,700	4,300	18,700	118,600	9,200



AM Peak Hour	950	7,140	1,910	80	2,340	1,000	840	9,330	1,400	360	1,160	8,730	630
AM Peak Period	2,700	24,280	6,070	370	7,320	3,970	2,800	31,930	4,260	1,160	3,710	30,220	2,030
PM Peak Hour	570	5,720	1,560	220	1,730	1,290	660	7,610	1,340	210	1,410	7,470	820
PM Peak Period	2,130	19,670	5,170	640	6,340	5,090	2,420	27,710	4,650	870	5,460	27,650	2,730
Daily	8,500	83,600	19,600	2,000	28,300	20,900	8,100	119,300	16,600	4,300	18,800	117,200	9,000

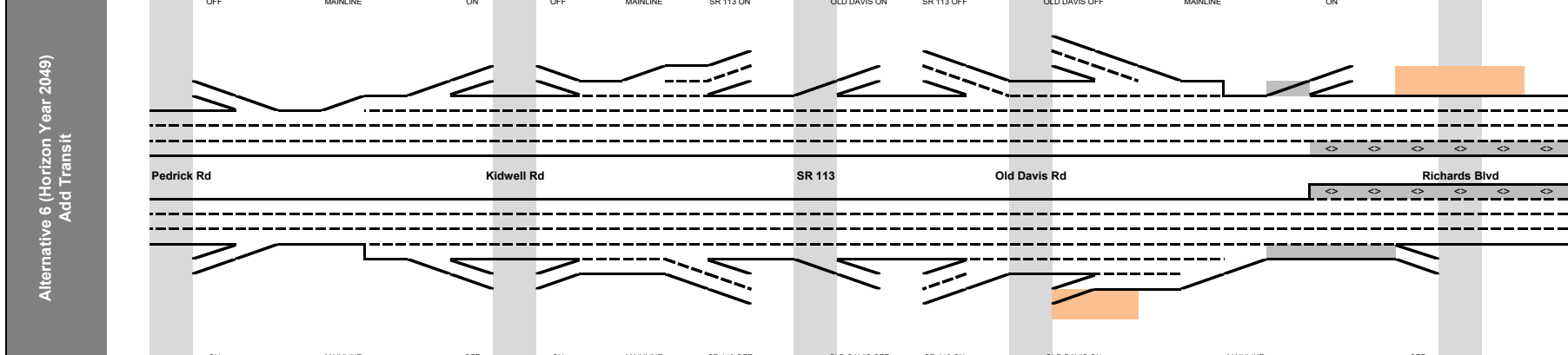


AM Peak Hour	32	210	5,410	40	70	5,440	1,090	70	1,360	570	6,210	670
AM Peak Period	33	620	20,840	80	190	20,950	3,250	310	4,720	1,990	24,100	2,320
PM Peak Hour	34	170	4,170	20	40	4,190	770	230	1,050	370	4,610	830
PM Peak Period	35	690	16,600	60	150	16,690	2,900	920	4,070	1,150	18,090	3,230
Daily	36	2,700	86,200	300	800	86,700	12,400	2,100	14,900	5,700	92,800	9,900



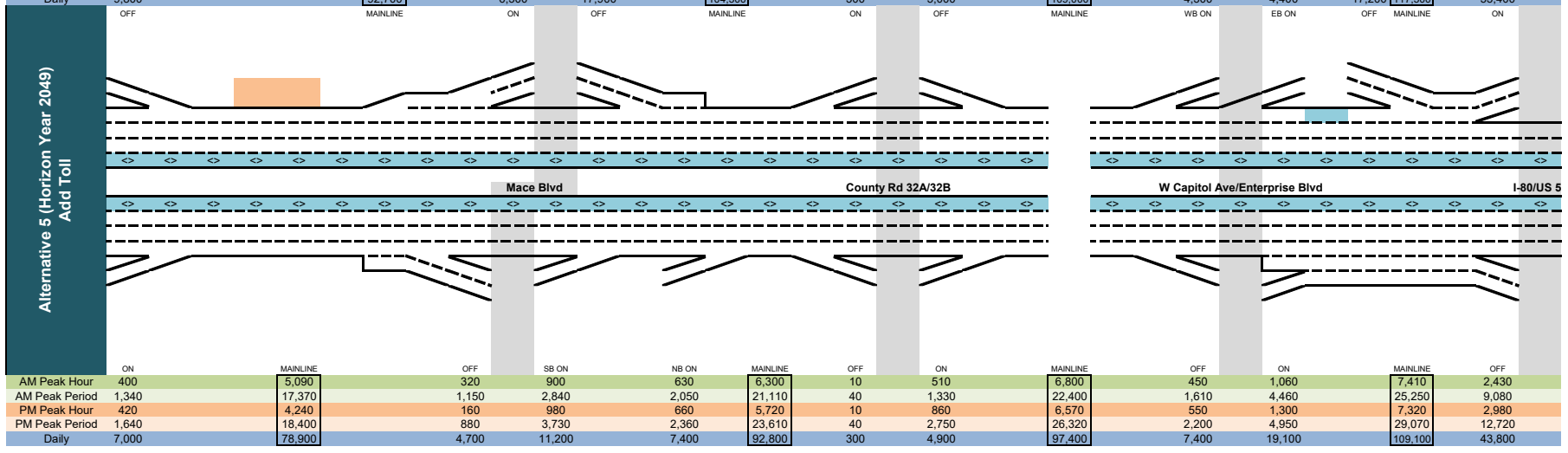
AM Peak Hour	32	220	5,380	30	60	5,410	1,390	470	1,190	440	5,180	490
AM Peak Period	33	580	18,130	90	150	18,190	3,990	1,310	3,440	1,630	17,960	1,930
PM Peak Hour	34	130	4,790	50	80	4,820	1,260	340	490	600	4,310	490
PM Peak Period	35	480	19,140	170	230	19,200	4,220	1,050	2,730	2,410	19,070	2,310
Daily	36	2,100	78,200	600	800	78,400	14,600	4,800	12,000	9,100	80,100	8,200

AM Peak Hour	37	210	5,280	40	70	5,310	1,320	70	1,310	530	5,760	690
AM Peak Period	38	620	20,710	80	190	20,820	3,990	340	4,470	1,860	22,820	2,410
PM Peak Hour	39	240	4,260	20	40	4,280	910	240	980	340	4,450	870
PM Peak Period	40	820	15,380	50	150	15,480	3,450	730	4,260	1,050	16,610	3,420
Daily	41	2,800	86,000	300	800	86,500	14,500	2,500	14,100	5,300	88,900	10,300

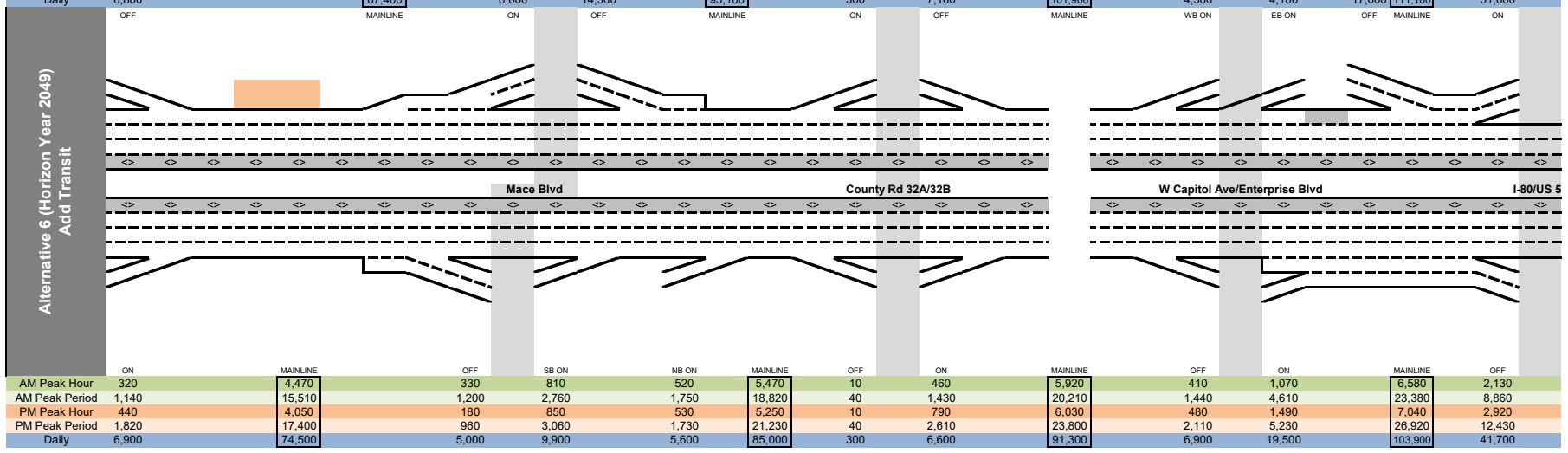


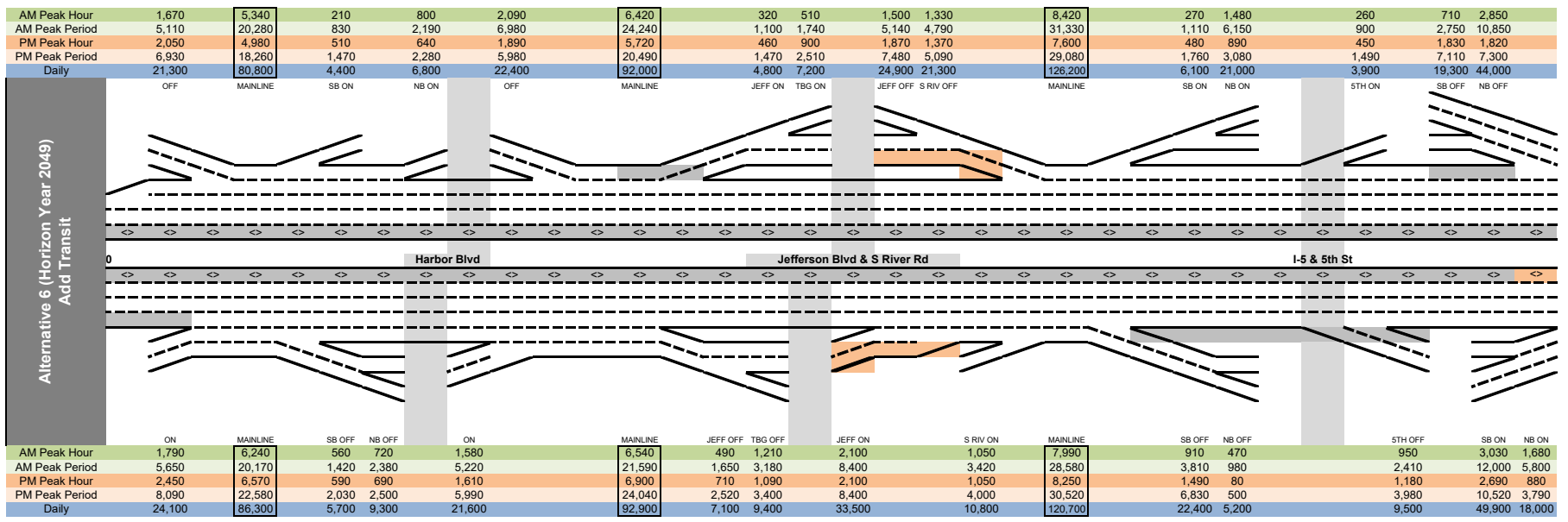
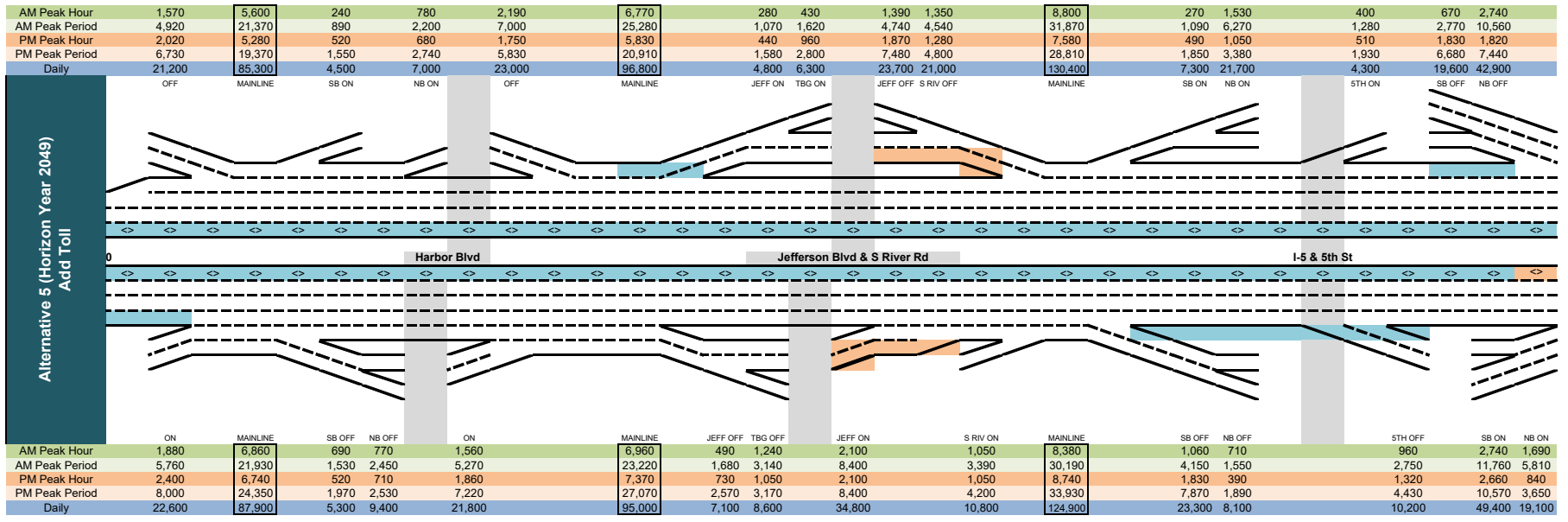
AM Peak Hour	37	220	5,270	30	60	5,300	1,520	520	990	410	4,660	510
AM Peak Period	38	570	17,940	90	150	18,000	4,520	1,490	2,940	1,460	16,390	2,020
PM Peak Hour	39	130	4,840	50	80	4,870	1,440	350	490	580	4,150	540
PM Peak Period	40	470	18,560	170	230	18,620	4,540	1,120	2,670	2,340	17,970	2,390
Daily	41	2,100	77,600	600	800	77,800	16,400	5,000	11,000	8,600	76,000	8,400

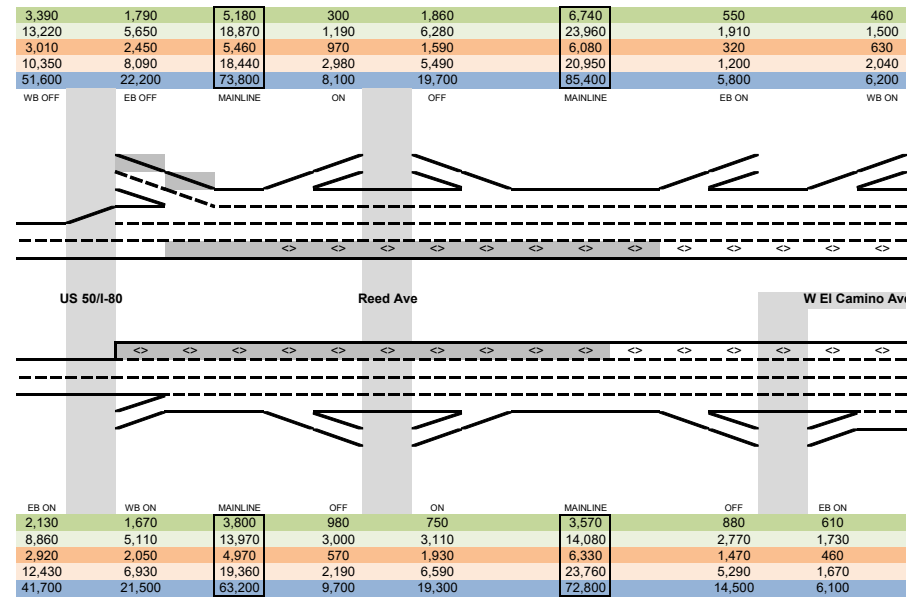
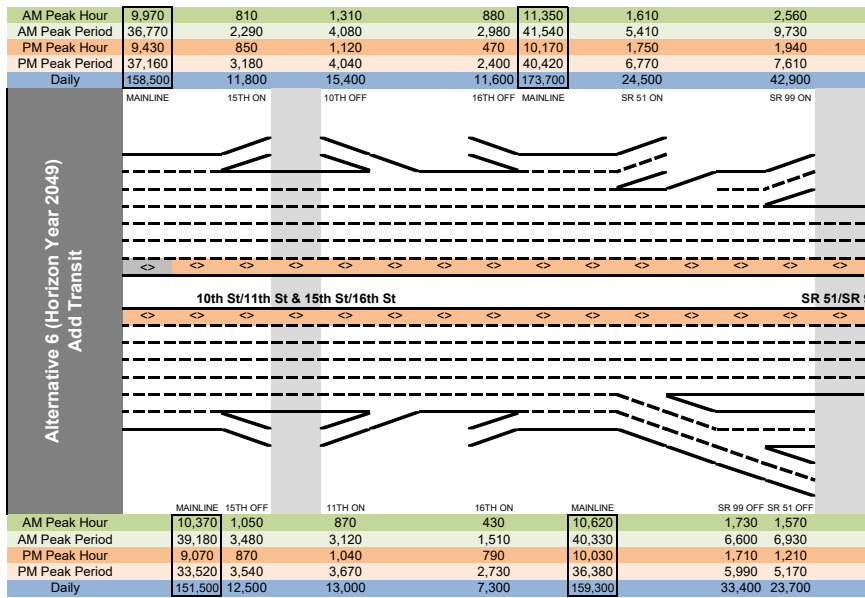
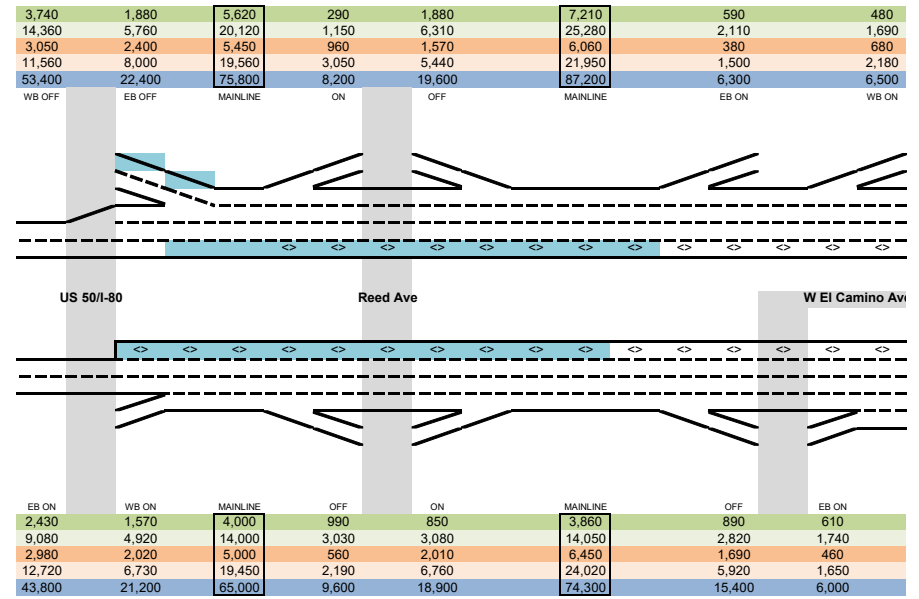
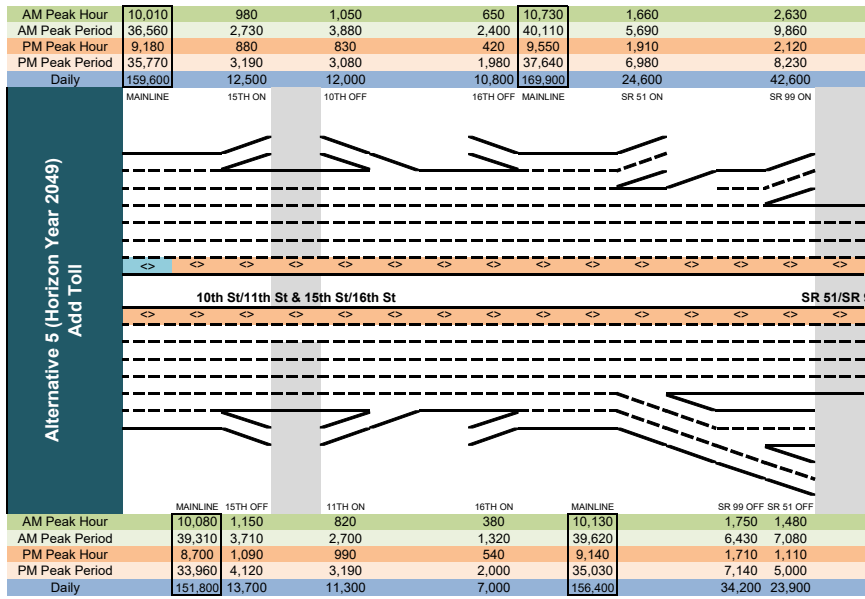
AM Peak Hour	860	6,400	470	960	6,890	10	830	7,710	600	430	1,090	7,770	3,740
AM Peak Period	4,120	25,900	1,740	3,940	28,100	70	1,980	30,010	1,590	1,380	3,770	30,810	14,360
PM Peak Hour	530	4,310	390	1,460	5,380	40	610	5,950	270	190	820	6,310	3,050
PM Peak Period	2,000	16,860	1,550	5,300	20,610	80	2,510	23,040	1,100	830	3,090	24,200	11,560
Daily	9,900	92,700	6,300	17,900	104,300	300	5,000	109,000	4,300	4,400	17,200	117,500	53,400



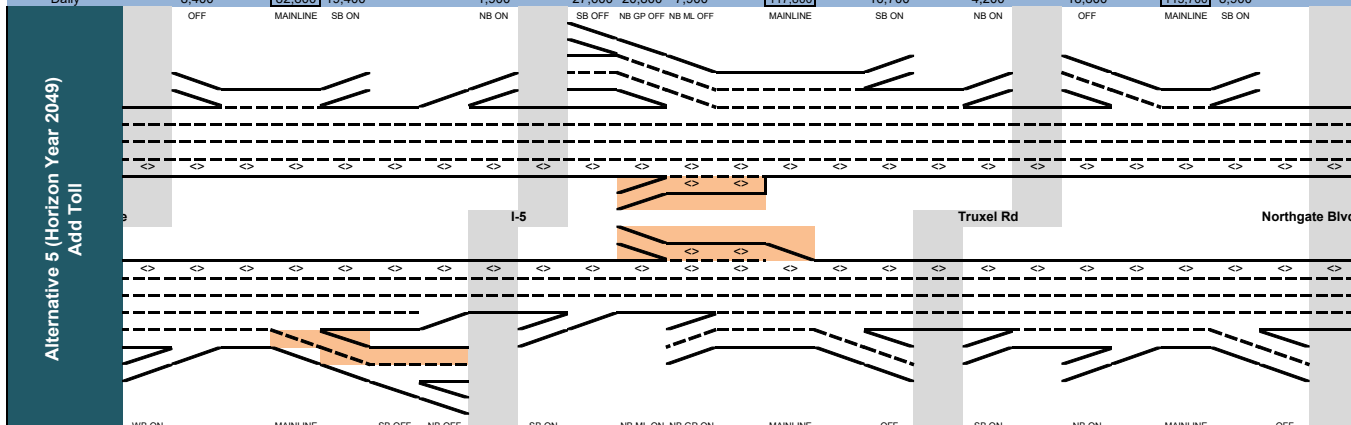
AM Peak Hour	910	5,980	490	840	6,330	10	560	6,880	600	410	1,190	7,060	3,390
AM Peak Period	3,650	24,060	1,810	3,130	25,380	70	1,900	27,210	1,570	1,270	4,020	28,390	13,220
PM Peak Hour	470	4,050	400	1,140	4,790	40	730	5,480	260	170	890	5,940	3,010
PM Peak Period	1,810	15,000	1,610	4,390	17,780	80	2,500	20,200	1,090	660	3,230	21,680	10,350
Daily	8,900	87,400	6,600	14,300	17,780	300	7,100	101,900	4,300	4,100	17,600	111,100	51,600





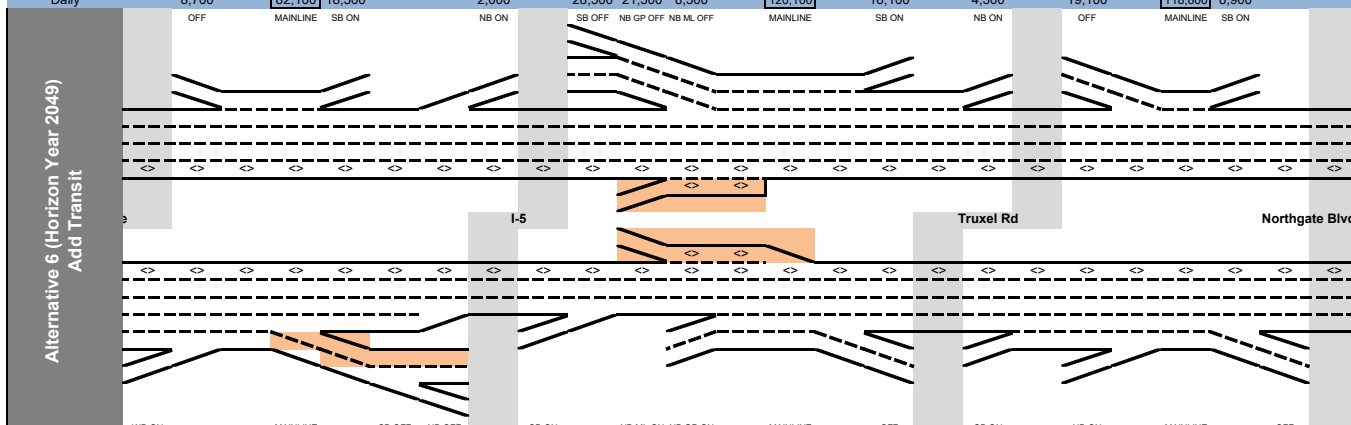


AM Peak Hour	920	7,060	1,910	60	2,340	990	840	9,260	1,390	340	1,130	8,660	600
AM Peak Period	2,650	24,130	6,070	370	7,310	3,940	2,780	31,720	4,240	1,160	3,750	30,070	2,020
PM Peak Hour	570	5,570	1,510	220	1,610	1,290	610	7,350	1,340	210	1,380	7,180	790
PM Peak Period	2,130	20,400	5,800	640	6,070	4,990	2,310	27,330	5,190	880	5,310	26,570	2,730
Daily	8,400	82,800	19,400	1,900	27,600	20,800	7,900	117,800	16,700	4,200	18,800	115,700	8,900



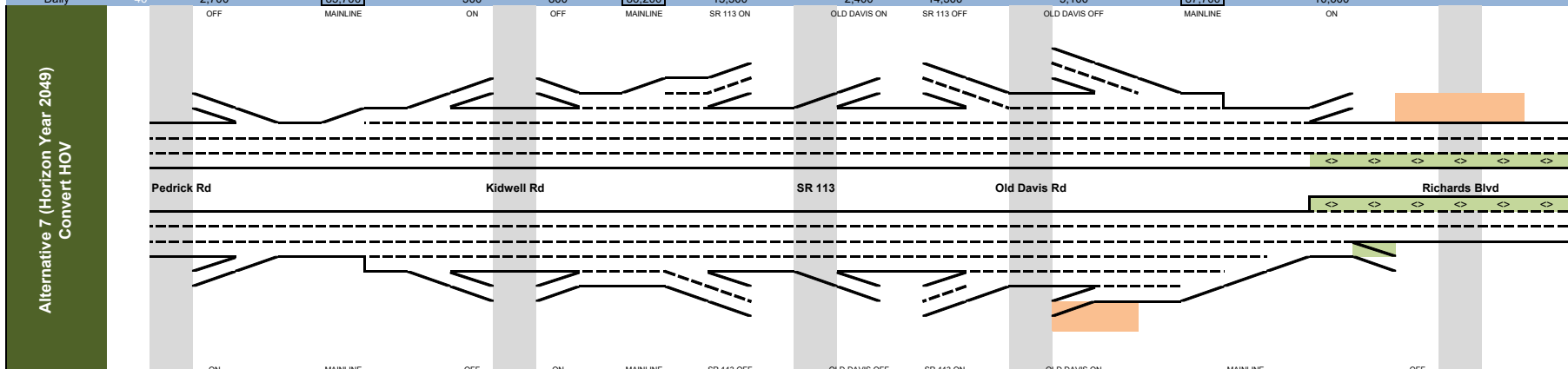
AM Peak Hour	600	4,180	160	1,100	1,070	760	2,050	6,800	1,800	720	690	6,410	930
AM Peak Period	1,730	14,700	550	3,430	3,470	2,270	5,990	22,450	5,070	2,320	2,400	22,100	3,250
PM Peak Hour	610	5,830	70	2,080	940	820	2,040	7,480	1,350	570	670	7,370	650
PM Peak Period	2,180	21,930	360	6,820	3,690	2,990	7,450	28,880	6,480	2,370	2,330	27,100	2,660
Daily	7,000	71,900	1,500	17,400	16,500	8,200	27,400	105,100	20,500	11,900	8,900	105,400	12,200

AM Peak Hour	1,040	6,770	1,650	80	2,190	1,100	830	9,160	1,310	360	1,190	8,680	540
AM Peak Period	2,870	23,420	5,410	360	7,060	4,210	2,790	31,710	3,940	1,130	3,850	30,490	1,960
PM Peak Hour	560	5,690	1,560	220	1,860	1,380	710	7,860	1,350	200	1,460	7,770	810
PM Peak Period	2,090	19,800	5,260	630	6,670	5,460	2,610	28,650	4,580	870	5,580	28,780	2,680
Daily	8,700	82,100	18,500	2,000	28,500	21,500	8,500	120,100	16,100	4,300	19,100	118,800	8,900



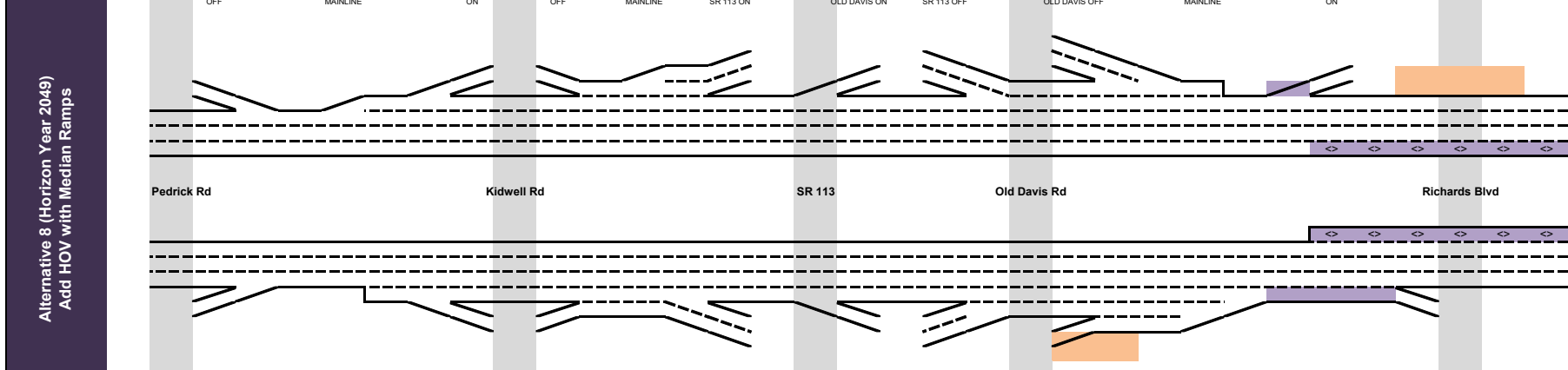
AM Peak Hour	590	3,890	160	1,030	1,080	760	2,060	6,600	1,590	710	680	6,400	930
AM Peak Period	1,790	14,830	550	3,300	3,650	2,380	6,290	23,300	4,890	2,340	2,380	23,130	3,320
PM Peak Hour	750	6,070	70	1,970	1,070	820	2,040	7,960	1,370	560	630	7,780	750
PM Peak Period	2,530	22,670	520	6,450	3,930	3,000	7,430	30,060	6,030	2,360	2,220	28,610	2,880
Daily	7,300	71,700	1,700	16,400	17,300	8,500	28,400	107,800	20,000	11,900	8,700	108,400	12,600

AM Peak Hour	42	210	5,260	40	70	5,290	1,480	70	1,360	520	5,620	720
AM Peak Period	48	620	20,530	80	190	20,640	4,570	310	4,600	1,780	22,140	2,490
PM Peak Hour	44	170	4,110	20	40	4,130	920	200	1,060	350	4,420	910
PM Peak Period	46	690	15,310	50	150	15,410	3,560	740	3,960	1,110	16,180	3,540
Daily	46	2,700	85,700	300	800	86,200	15,500	2,400	14,300	5,100	87,700	10,600



AM Peak Hour	42	220	5,280	30	60	5,310	1,610	540	1,030	420	4,610	550
AM Peak Period	48	570	17,890	90	150	17,950	4,930	1,560	2,830	1,460	15,750	2,110
PM Peak Hour	44	130	4,810	50	80	4,840	1,520	350	620	570	4,160	500
PM Peak Period	46	480	19,090	170	230	19,150	4,990	1,130	2,910	2,260	18,200	2,360
Daily	46	2,100	77,400	600	800	77,600	17,100	5,000	11,000	8,500	75,000	8,400

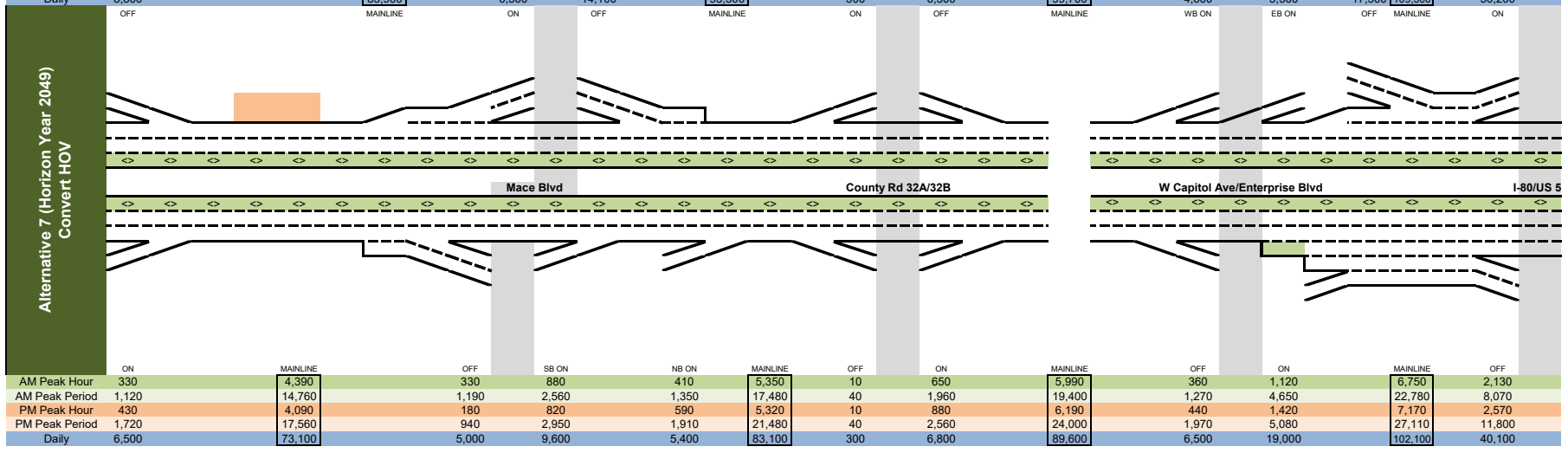
AM Peak Hour	47	210	5,330	40	70	5,360	1,090	70	1,420	570	6,190	640
AM Peak Period	48	620	20,900	80	190	21,010	3,270	310	4,850	1,990	24,270	2,250
PM Peak Hour	49	170	4,260	20	40	4,280	770	230	1,220	380	4,880	830
PM Peak Period	50	710	15,380	50	150	15,480	2,920	720	4,610	1,210	17,660	3,210
Daily	51	2,800	86,510	300	800	87,010	12,600	2,200	15,700	5,700	93,610	9,800



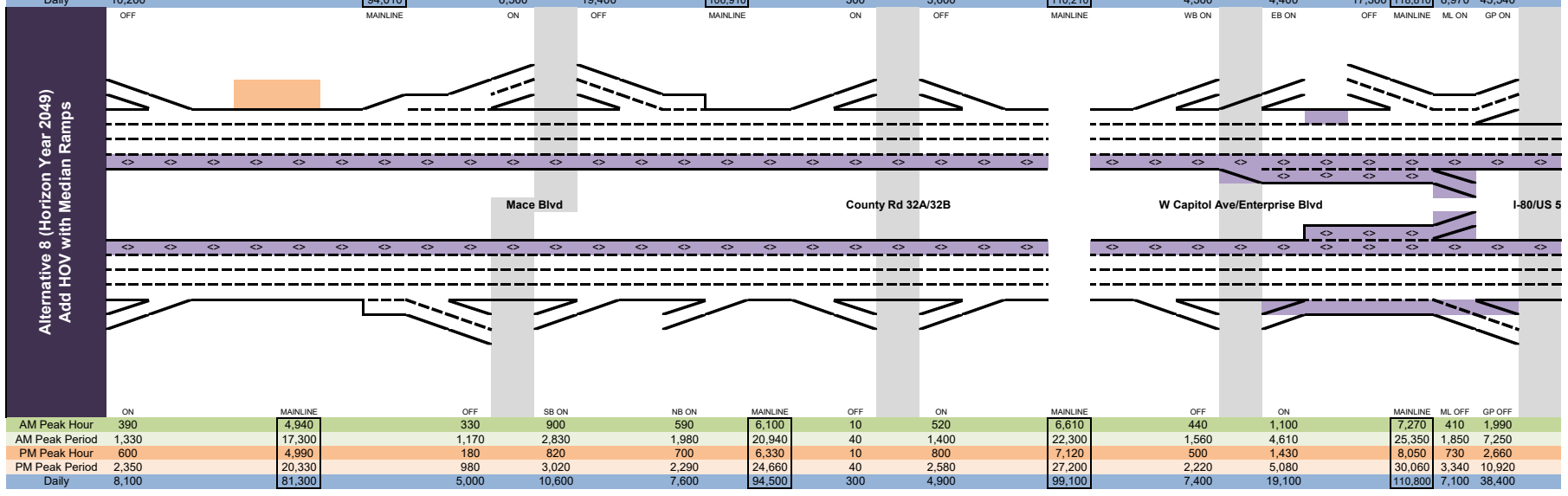
AM Peak Hour	47	220	5,290	30	60	5,320	1,410	480	1,170	440	5,040	490
AM Peak Period	48	570	18,050	90	150	18,110	3,980	1,310	3,400	1,670	17,890	1,920
PM Peak Hour	49	130	4,830	50	80	4,860	1,050	340	760	640	4,870	480
PM Peak Period	50	470	18,690	170	230	18,750	3,530	1,070	3,480	2,550	20,180	2,200
Daily	51	2,000	78,000	600	800	78,200	14,000	4,900	12,700	9,200	81,200	8,000

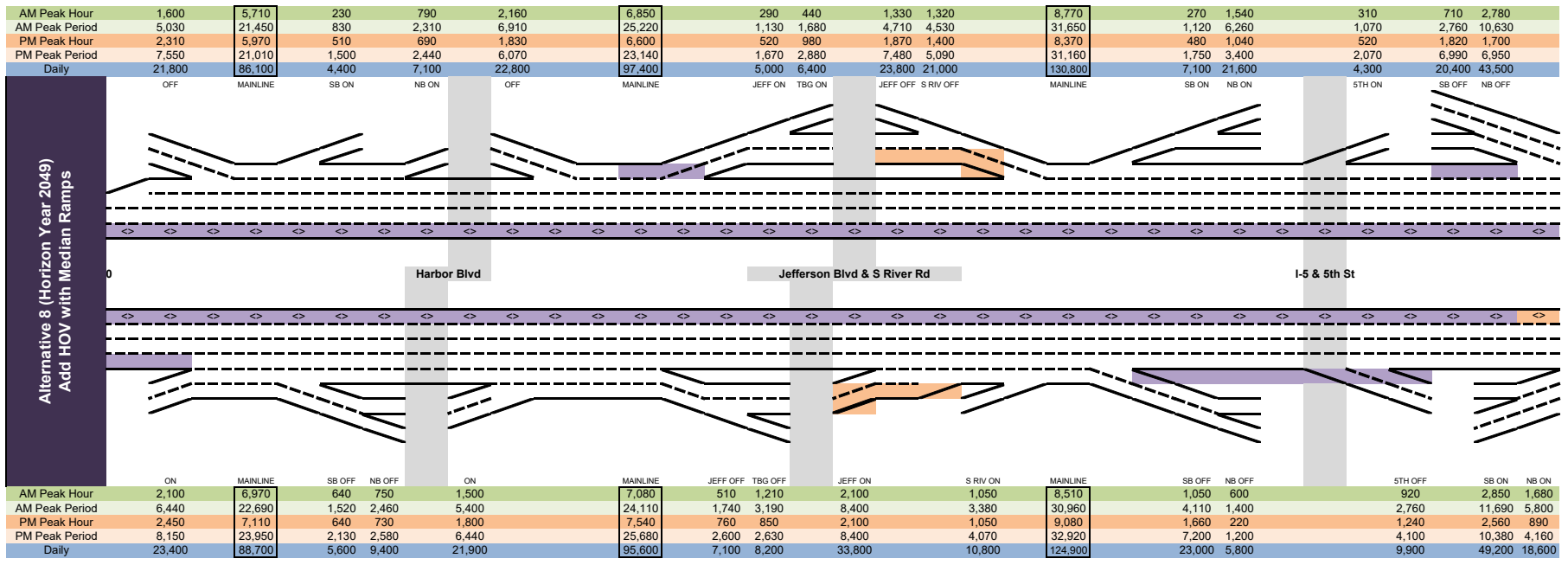
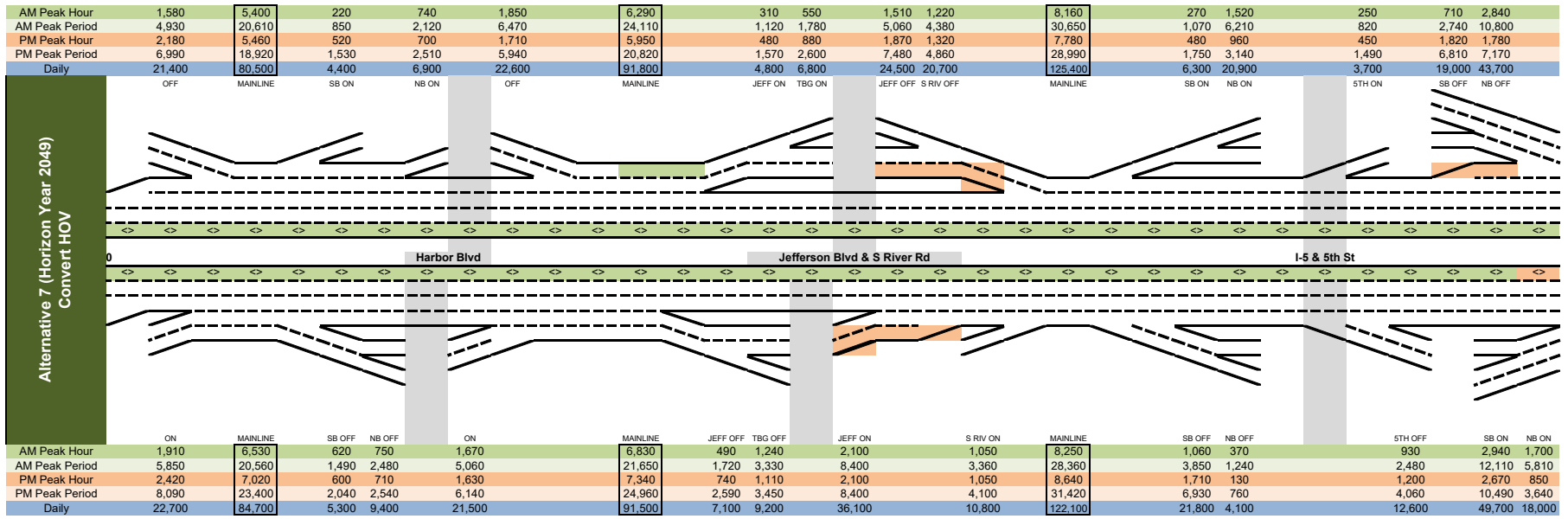


AM Peak Hour	760	5,660	490	850	6,020	10	770	6,780	600	370	1,100	6,910	3,090
AM Peak Period	3,570	23,220	1,780	3,230	24,670	70	2,200	26,800	1,620	1,090	3,830	27,920	12,240
PM Peak Hour	490	4,000	380	1,240	4,860	40	810	5,630	270	150	920	6,130	2,850
PM Peak Period	1,870	14,510	1,540	4,500	17,470	80	2,580	19,970	1,090	540	3,410	21,750	9,820
Daily	8,900	85,900	6,500	14,100	93,500	300	6,500	99,700	4,600	3,300	17,500	109,300	50,200

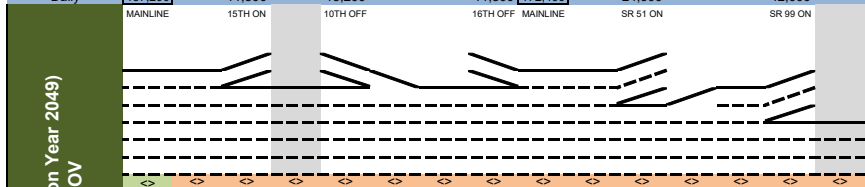


AM Peak Hour	940	6,490	500	1,140	7,130	10	520	7,640	600	420	1,090	7,710	630	2,970
AM Peak Period	4,030	26,050	1,800	4,290	28,540	70	1,470	29,940	1,580	1,340	3,830	30,850	2,790	11,640
PM Peak Hour	590	4,640	390	1,670	5,920	40	530	6,410	270	220	930	6,850	770	2,420
PM Peak Period	2,290	16,740	1,590	6,140	21,290	80	2,070	23,280	1,090	810	3,360	24,740	2,820	8,460
Daily	10,200	94,010	6,500	19,400	106,910	300	3,600	110,210	4,300	4,400	17,300	118,810	8,970	45,540





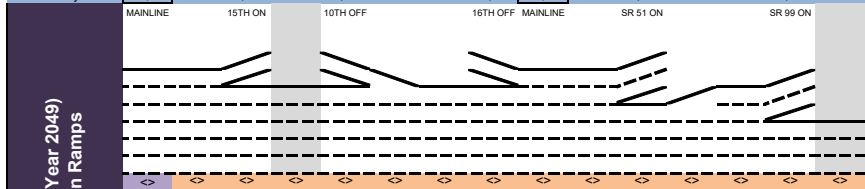
AM Peak Hour	9,670	760	1,290	920	11,120	1,540	2,520
AM Peak Period	36,090	2,290	4,010	3,100	40,910	5,150	9,680
PM Peak Hour	9,490	850	1,240	470	10,350	1,940	1,940
PM Peak Period	36,590	3,190	3,720	2,460	39,580	6,660	7,600
Daily	157,200	11,800	15,200	11,800	172,400	24,300	42,600



10th St/11th St & 15th St/16th St SR 51/SR 99

AM Peak Hour	10,530	1,080	1,000	430	10,880	1,810	1,640
AM Peak Period	38,710	3,500	3,310	1,580	40,100	6,620	6,870
PM Peak Hour	9,120	890	1,060	690	9,980	1,770	1,140
PM Peak Period	33,800	3,600	3,670	2,320	36,190	6,130	5,070
Daily	151,300	13,400	12,400	7,700	158,000	33,600	23,500

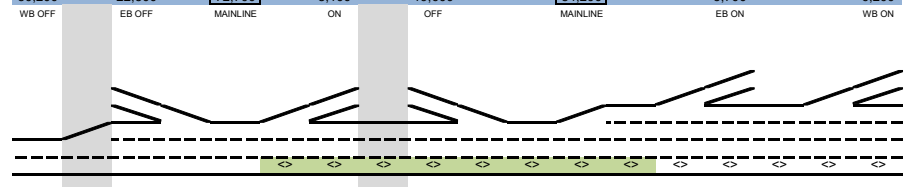
AM Peak Hour	10,140	930	1,300	810	11,320	1,650	2,540
AM Peak Period	36,590	2,660	4,880	2,780	41,590	5,520	9,760
PM Peak Hour	9,850	1,020	1,070	370	10,270	1,760	2,010
PM Peak Period	37,880	3,180	3,690	2,460	40,850	6,960	7,710
Daily	161,700	11,800	13,200	11,200	174,300	24,900	42,900



10th St/11th St & 15th St/16th St SR 51/SR 99

AM Peak Hour	10,470	1,210	890	410	10,580	1,740	1,540
AM Peak Period	40,180	3,750	2,750	1,470	40,650	6,650	6,980
PM Peak Hour	9,410	1,020	910	750	10,050	1,780	1,230
PM Peak Period	34,960	4,040	3,190	2,730	36,840	6,100	5,400
Daily	154,000	13,500	11,800	7,200	159,500	33,700	24,400

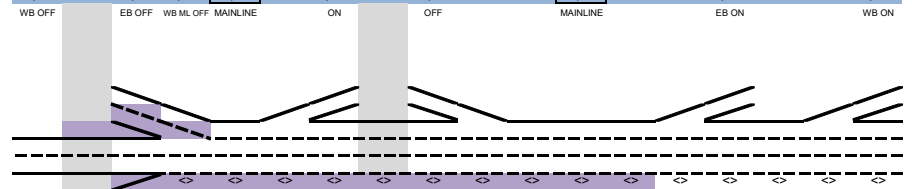
3,090	1,910	5,000	300	1,860	6,560	550	450
12,240	5,850	18,090	1,130	6,220	23,180	1,830	1,550
2,850	2,420	5,270	930	1,560	5,900	310	640
9,820	8,090	17,910	2,990	5,430	20,350	1,200	2,100
50,200	22,500	72,700	8,100	19,600	84,200	5,700	6,200



US 50/I-80 Reed Ave W El Camino Ave

2,130	1,580	3,710	950	790	3,550	820	610
8,070	4,930	13,000	2,930	3,070	13,140	2,520	1,740
2,570	2,180	4,750	580	1,980	6,150	1,480	460
11,800	6,990	18,790	2,170	6,590	23,210	5,240	1,670
40,100	21,400	61,500	9,500	19,000	71,000	14,200	6,000

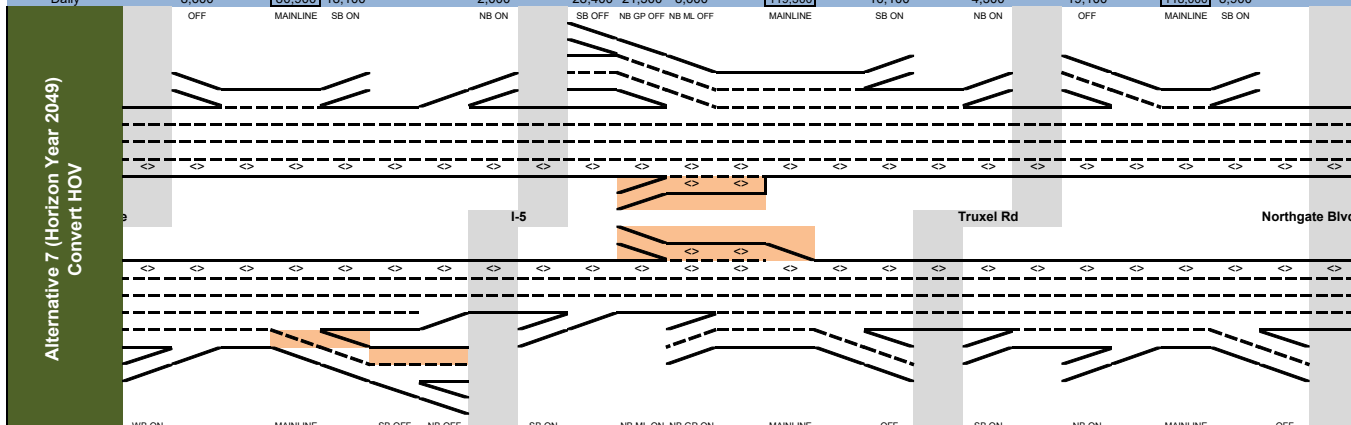
2,970	2,100	410	5,690	280	1,840	7,250	530	420
11,640	6,440	1,850	20,860	1,190	6,190	25,860	2,030	1,630
2,420	2,450	730	5,630	980	1,560	6,210	330	590
8,460	8,150	3,340	19,420	3,110	5,370	21,680	1,350	2,030
45,540	23,400	7,100	77,900	8,400	19,500	89,000	6,200	6,500



US 50/I-80 Reed Ave W El Camino Ave

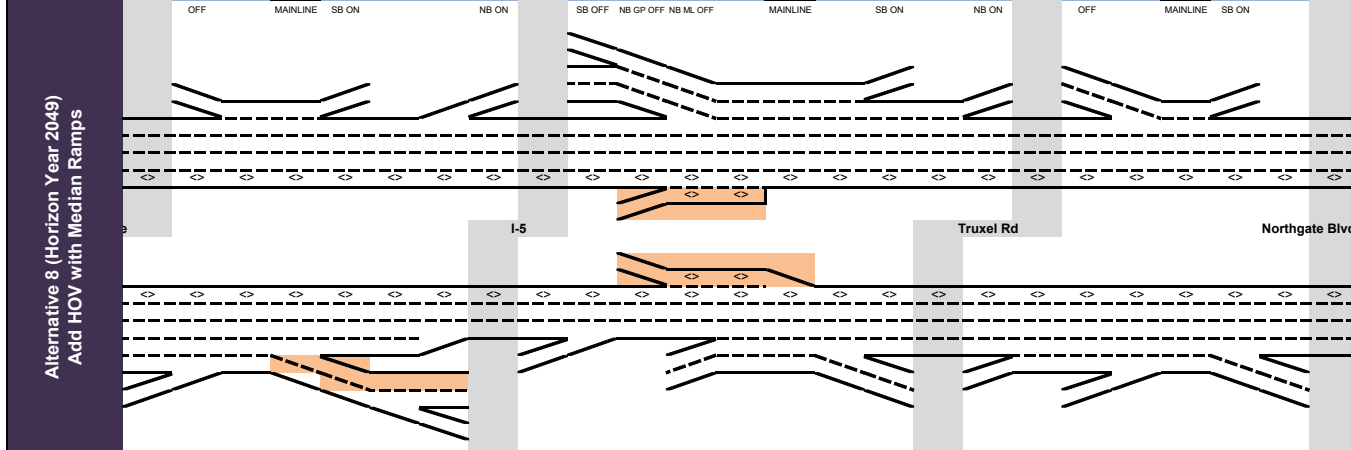
1,990	1,600	630	4,000	990	780	3,790	890	610
7,250	5,030	2,790	14,130	3,030	3,040	14,140	2,740	1,740
2,660	2,310	770	5,700	580	1,880	7,000	1,690	460
10,920	7,550	2,820	21,810	2,210	6,420	26,020	5,930	1,660
38,400	21,900	8,970	67,400	9,600	18,600	76,400	15,400	6,000

AM Peak Hour	1,060	6,620	1,580	80	2,180	1,120	840	9,100	1,240	360	1,180	8,680	550
AM Peak Period	2,890	22,690	5,020	360	7,040	4,220	2,770	31,340	3,770	1,160	3,840	30,250	1,950
PM Peak Hour	570	5,520	1,420	220	1,820	1,410	710	7,820	1,310	200	1,440	7,750	830
PM Peak Period	2,120	19,170	4,910	660	6,710	5,520	2,670	28,500	4,580	870	5,610	28,660	2,710
Daily	8,600	80,900	18,100	2,000	28,400	21,500	8,600	119,300	16,100	4,300	19,100	118,000	8,900

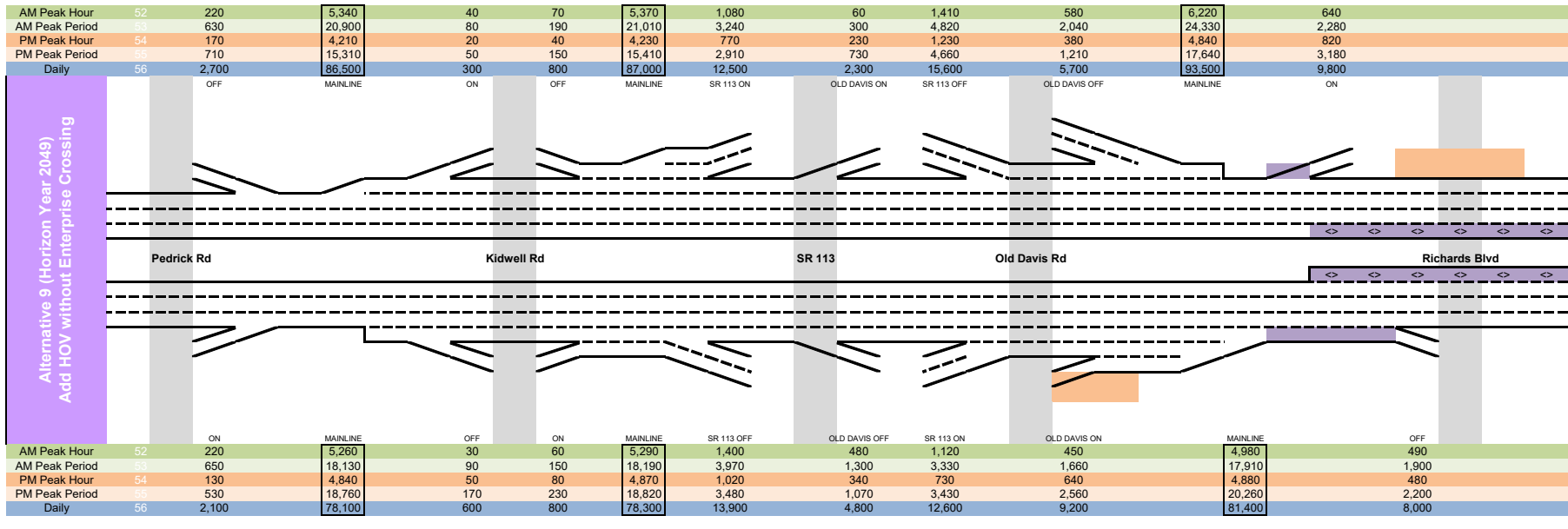


AM Peak Hour	610	3,950	160	970	1,060	810	2,210	6,900	1,850	730	630	6,410	940
AM Peak Period	1,780	14,140	540	3,110	3,660	2,490	6,420	23,060	4,910	2,350	2,420	22,920	3,300
PM Peak Hour	780	5,910	110	1,900	1,090	830	2,080	7,900	1,310	560	670	7,820	740
PM Peak Period	2,510	22,150	560	6,360	3,970	2,970	7,460	29,630	5,880	2,360	2,280	28,390	2,800
Daily	7,300	70,100	1,700	16,100	17,200	8,500	28,300	106,300	19,800	11,900	8,700	107,100	12,400

AM Peak Hour	980	7,280	1,900	80	2,100	1,060	810	9,270	1,320	360	1,140	8,730	540
AM Peak Period	2,720	24,920	6,180	360	6,910	4,060	2,770	32,120	4,010	1,140	3,730	30,700	2,000
PM Peak Hour	540	5,830	1,560	220	1,820	1,380	720	7,970	1,410	210	1,440	7,790	830
PM Peak Period	2,050	20,350	5,410	630	6,540	5,400	2,650	28,900	4,750	870	5,550	28,830	2,690
Daily	8,500	84,800	19,800	2,000	28,100	21,200	81,300	120,900	16,500	4,300	19,000	119,100	9,100



AM Peak Hour	610	4,120	160	1,030	1,060	820	2,050	6,860	1,790	730	610	6,410	940
AM Peak Period	1,760	14,900	550	3,320	3,570	2,560	6,030	23,190	4,880	2,360	2,350	23,020	3,270
PM Peak Hour	730	6,500	110	2,130	930	830	2,030	8,050	1,360	560	580	7,830	770
PM Peak Period	2,450	24,200	520	7,100	3,690	3,020	7,420	30,710	6,240	2,360	2,070	28,900	3,030
Daily	7,300	74,300	1,600	17,600	16,700	8,700	27,400	107,900	19,800	11,900	8,500	108,500	12,600



	OFF	MAINLINE	ON	OFF	MAINLINE	ON	OFF	MAINLINE	WB ON	EB ON	OFF	MAINLINE	ON
AM Peak Hour	970	6,550	490	1,110	7,170	10	520	7,680	650	410	930	7,550	3,500
AM Peak Period	4,360	26,410	1,780	4,230	28,860	70	1,370	30,160	1,670	1,120	3,000	30,370	13,600
PM Peak Hour	610	4,630	390	1,620	5,860	40	530	6,350	360	260	480	6,210	2,850
PM Peak Period	2,380	16,840	1,570	6,050	21,320	80	2,000	23,240	1,490	1,000	1,940	22,690	10,240
Daily	10,400	94,100	6,400	19,000	106,700	300	3,500	109,900	4,900	3,000	11,600	113,600	50,500

	ON	MAINLINE	OFF	SB ON	NB ON	MAINLINE	OFF	ON	MAINLINE	OFF	ON	MAINLINE	OFF
AM Peak Hour	400	4,890	330	870	590	6,020	10	520	6,530	410	520	6,640	2,070
AM Peak Period	1,330	17,340	1,160	2,790	1,950	20,920	40	1,350	22,230	1,300	2,060	22,990	7,590
PM Peak Hour	590	4,990	190	810	680	6,290	10	830	7,110	520	1,210	7,800	3,080
PM Peak Period	2,310	20,370	1,000	3,010	2,240	24,620	40	2,630	27,210	2,040	3,940	29,110	13,190
Daily	8,000	81,400	5,000	10,600	7,400	94,400	300	4,500	98,600	5,300	12,000	105,300	40,400

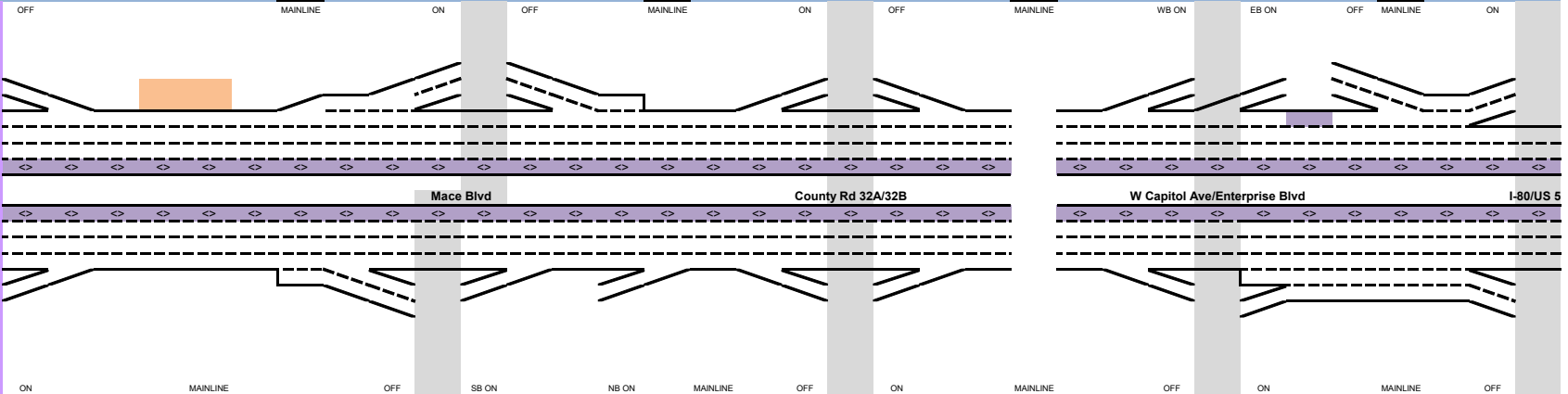
  

	OFF	MAINLINE	ON	OFF	MAINLINE	ON	OFF	MAINLINE	WB ON	EB ON	OFF	MAINLINE	ON
AM Peak Hour	970	6,550	490	1,110	7,170	10	520	7,680	650	410	930	7,550	3,500
AM Peak Period	4,360	26,410	1,780	4,230	28,860	70	1,370	30,160	1,670	1,120	3,000	30,370	13,600
PM Peak Hour	610	4,630	390	1,620	5,860	40	530	6,350	360	260	480	6,210	2,850
PM Peak Period	2,380	16,840	1,570	6,050	21,320	80	2,000	23,240	1,490	1,000	1,940	22,690	10,240
Daily	10,400	94,100	6,400	19,000	106,700	300	3,500	109,900	4,900	3,000	11,600	113,600	50,500

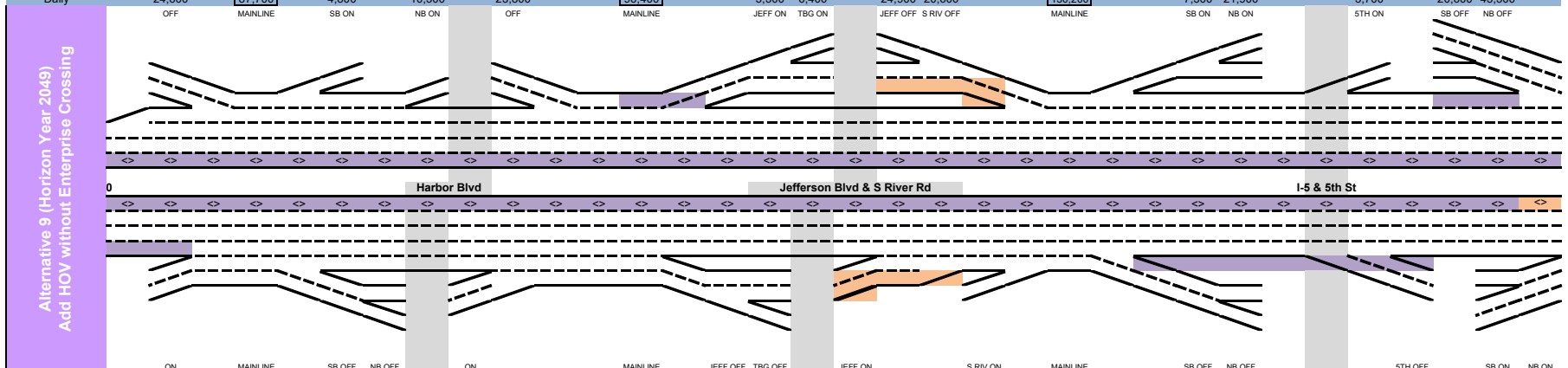
  

	ON	MAINLINE	OFF	SB ON	NB ON	MAINLINE	OFF	ON	MAINLINE	OFF	ON	MAINLINE	OFF
AM Peak Hour	400	4,890	330	870	590	6,020	10	520	6,530	410	520	6,640	2,070
AM Peak Period	1,330	17,340	1,160	2,790	1,950	20,920	40	1,350	22,230	1,300	2,060	22,990	7,590
PM Peak Hour	590	4,990	190	810	680	6,290	10	830	7,110	520	1,210	7,800	3,080
PM Peak Period	2,310	20,370	1,000	3,010	2,240	24,620	40	2,630	27,210	2,040	3,940	29,110	13,190
Daily	8,000	81,400	5,000	10,600	7,400	94,400	300	4,500	98,600	5,300	12,000	105,300	40,400

Alternative 9 (Horizon Year 2049)  
Add HOV without Enterprise Crossing

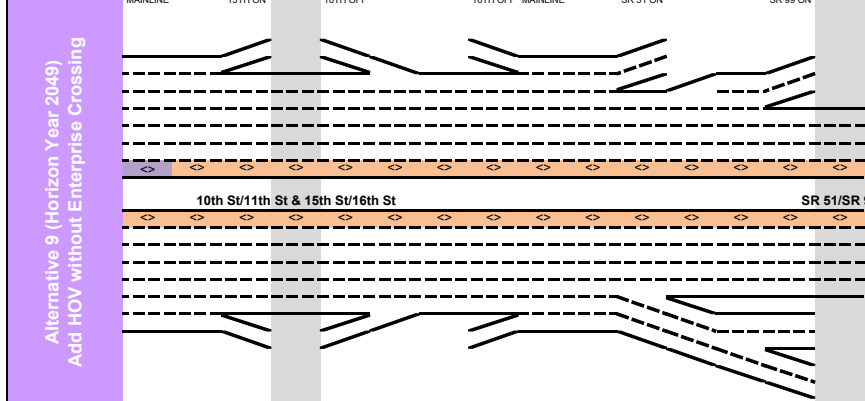


AM Peak Hour	1,870	5,920	320	860	2,090	6,830	390	450	1,360	1,310	8,660	270	1,490	330	710	2,780
AM Peak Period	5,890	22,660	1,050	2,840	6,960	25,730	1,340	1,730	5,070	4,590	32,320	1,110	6,240	1,100	2,920	10,630
PM Peak Hour	2,550	5,910	610	760	1,870	6,410	540	980	1,870	1,390	8,150	480	1,010	480	1,810	1,710
PM Peak Period	8,370	20,820	1,700	2,710	6,150	22,560	1,770	2,850	7,480	5,200	30,620	1,750	3,360	1,730	6,860	6,940
Daily	24,600	87,700	4,800	10,300	23,800	96,400	5,300	6,400	24,900	20,600	130,200	7,300	21,900	3,700	20,600	43,300



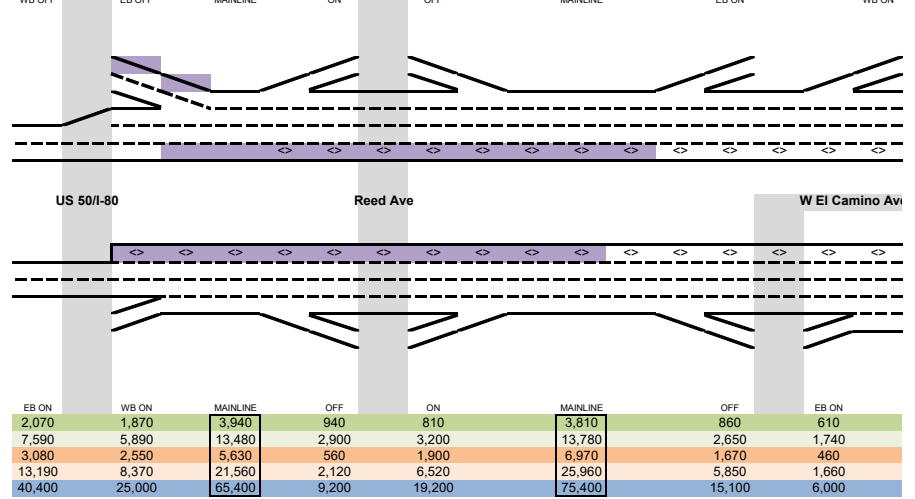
AM Peak Hour	2,320	6,890	750	740	1,510	6,910	540	1,150	2,100	1,050	8,370	960	640	890	2,890	1,680
AM Peak Period	7,260	22,660	2,300	2,460	5,650	23,550	1,770	3,100	8,400	3,420	30,500	3,950	1,320	2,720	11,690	5,800
PM Peak Hour	2,700	7,420	730	730	1,790	7,750	880	850	2,100	1,050	9,170	1,660	240	1,250	2,570	890
PM Peak Period	9,110	25,030	2,770	2,570	6,440	26,130	3,000	2,610	8,400	4,090	33,010	7,230	1,260	4,130	10,360	4,680
Daily	26,900	91,800	10,100	9,400	23,000	95,300	7,600	8,100	34,900	10,900	125,400	23,000	6,100	9,900	49,200	18,900

AM Peak Hour	10,060	920	1,270	880	11,290	1,620	2,540
AM Peak Period	37,420	2,710	3,950	2,900	41,560	5,470	9,700
PM Peak Hour	9,700	890	1,100	360	10,270	1,790	1,960
PM Peak Period	37,580	3,330	3,730	2,160	40,140	6,900	7,660
Daily	161,200	11,800	13,700	11,100	174,200	24,900	42,800



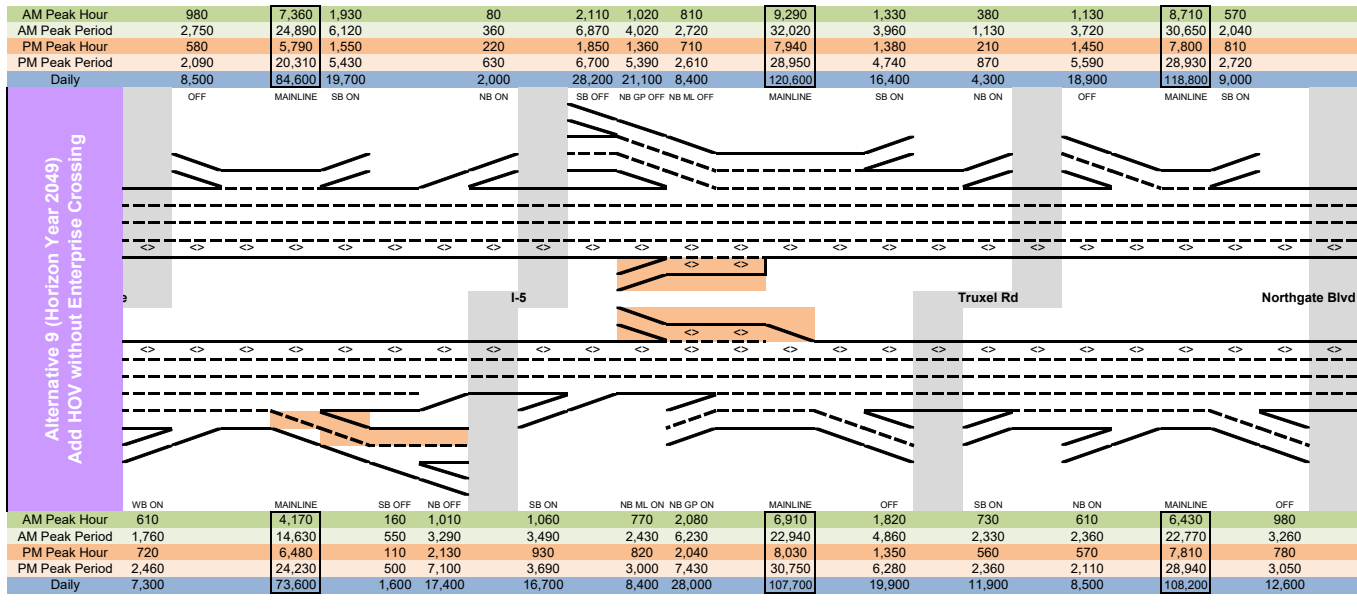
AM Peak Hour	10,450	1,160	800	420	10,510	1,750	1,570
AM Peak Period	40,000	3,680	2,870	1,480	40,670	6,660	6,990
PM Peak Hour	9,480	1,020	910	710	10,080	1,740	1,270
PM Peak Period	35,430	4,030	3,190	2,320	36,910	6,050	5,520
Daily	154,500	13,400	11,100	8,100	160,300	33,600	24,400

3,500	2,320	5,820	290	1,840	7,370	550	440
13,600	2,900	20,860	1,200	6,200	25,860	2,060	1,660
2,850	2,700	5,550	1,000	1,580	6,130	340	580
10,240	9,110	19,350	3,180	5,420	21,590	1,350	2,020
50,500	27,000	77,500	8,400	19,600	88,700	6,300	6,300



Alternative 9 (Horizon Year 2049)  
Add HOV without Enterprise Crossing





Alternative 9 (Horizon Year 2049)  
Add HOV without Enterprise Crossing

Total Demand Volume			2019 Existing							2049 Alternative 1 (No Build)							2049 Alternative 2 (Add HOV)							2049 Alternative 3 (Add HOT2+)							2049 Alternative 4 (Add HOT3+)							2049 Alternative 5 (Add Toll)						
ID	Direction	Route	Type	Description	AM	PM	PM	PM	Daily	AM	PM	PM	PM	Daily	AM	PM	PM	PM	Daily	AM	PM	PM	PM	Daily	AM	PM	PM	PM	Daily	AM	PM	PM	PM	Daily	AM	PM	PM	PM	Daily					
1	EB	I-80	Mainline	Pedrick Rd Off to On	4,320	15,000	4,477	17,050	67,188	5,210	17,430	4,670	18,150	75,300	5,110	17,490	4,740	18,230	76,000	5,160	17,510	4,710	18,240	76,000	5,160	17,510	4,700	18,240	76,000	5,160	17,510	4,700	18,240	76,000	5,160	17,510	4,700	18,240	76,000					
2	EB	I-80	Ramp	Pedrick Rd On	211	566	124	470	1,999	1,520	4,550	1,440	4,540	16,600	1,210	3,980	1,390	4,900	21,000	1,220	3,990	1,390	4,910	21,000	1,220	3,990	1,390	4,910	21,000	1,220	3,990	1,390	4,910	21,000	1,220	3,990	1,390	4,910	21,000					
3	EB	I-80	Mainline	Pedrick Rd to Kidwell Rd	4,531	15,006	4,571	17,020	69,187	5,200	17,400	4,800	18,630	77,300	5,310	18,090	4,830	18,720	78,100	5,380	18,050	4,810	18,740	78,100	5,380	18,050	4,930	18,690	78,100	5,380	18,050	4,930	18,690	78,100	5,380	18,050	4,930	18,690	78,100					
4	EB	I-80	Ramp	Kidwell Rd Off	27	88	48	161	501	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600					
5	EB	I-80	Mainline	Kidwell Rd to Off	4,504	15,518	4,523	17,359	68,686	5,200	17,910	4,750	18,460	76,700	5,300	17,990	4,780	18,550	77,500	5,350	18,000	4,790	18,550	77,500	5,350	18,000	4,790	18,550	77,500	5,350	18,000	4,790	18,550	77,500	5,350	18,000	4,790	18,550	77,500					
6	EB	I-80	Ramp	Kidwell Rd On	51	145	73	229	793	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800					
7	EB	I-80	Mainline	Kidwell Rd to SR113	4,555	15,663	4,596	17,588	69,479	5,260	18,060	4,830	18,690	77,500	5,360	18,140	4,860	18,780	78,300	5,410	18,150	4,870	18,780	78,300	5,410	18,150	4,960	18,750	78,300	5,410	18,150	4,960	18,750	78,300	5,410	18,150	4,960	18,750	78,300					
8	EB	I-80	Ramp	SR113 Off	1,011	3,095	1,439	4,538	13,200	1,520	4,550	1,440	4,540	16,600	1,210	3,980	1,390	4,900	21,000	1,220	3,990	1,390	4,910	21,000	1,220	3,990	1,390	4,910	21,000	1,220	3,990	1,390	4,910	21,000	1,220	3,990	1,390	4,910	21,000					
9	EB	I-80	Mainline	SR113 Off to Old Davis Rd Off	3,544	12,568	3,157	13,050	56,279	3,740	13,510	3,390	14,150	61,100	3,950	14,160	3,810	15,190	64,300	4,030	14,200	3,830	15,290	64,500	4,020	14,140	3,700	14,580	63,800	4,020	14,200	3,560	14,980	63,800	4,020	14,200	3,560	14,980	63,800					
10	EB	I-80	Ramp	Old Davis Rd Off	353	1,024	328	1,008	3,782	520	1,480	350	1,120	5,000	480	1,310	340	1,070	4,800	470	1,300	340	1,070	4,800	470	1,300	340	1,070	4,800	470	1,300	340	1,070	4,800	470	1,300	340	1,070	4,800					
11	EB	I-80	Mainline	Old Davis Rd Off to SR113 On	3,191	11,544	2,829	12,042	52,497	3,220	12,030	3,040	13,030	56,100	3,470	12,850	3,470	14,120	59,500	3,560	12,900	3,420	14,220	59,700	3,550	12,840	3,360	13,510	59,000	3,550	12,890	3,220	13,930	59,000	3,550	12,890	3,220	13,930	59,000					
12	EB	I-80	Ramp	SR113 On	879	2,542	951	1,878	5,576	1,060	3,170	560	2,850	11,500	1,130	3,380	760	3,480	12,800	1,230	3,500	720	3,470	12,800	1,190	3,430	630	3,310	12,500	1,190	3,440	630	3,310	12,500	1,190	3,440	630	3,310	12,500					
13	EB	I-80	Mainline	Old Davis Rd to Old Davis Rd On	4,070	14,086	3,188	13,018	60,283	4,160	14,200	3,450	14,800	70,500	4,260	14,200	3,450	15,000	72,000	4,360	14,200	3,450	15,000	72,000	4,360	14,200	3,450	15,000	72,000	4,360	14,200	3,450	15,000	72,000	4,360	14,200	3,450	15,000	72,000					
14	EB	I-80	Ramp	Old Davis Rd On	365	1,300	548	2,038	6,837	410	1,520	590	2,380	8,700	450	1,630	640	2,570	9,200	460	1,660	650	2,590	9,200	450	1,660	630	2,500	9,100	440	1,630	640	2,500	9,100	440	1,630	640	2,500	9,100					
15	EB	I-80	Mainline	Old Davis Rd to Old Davis Rd On	4,635	15,386	3,728	15,958	67,117	4,690	16,720	4,190	18,260	76,700	5,050	17,860	4,870	20,170	82,500	5,250	18,060	4,860	20,280	81,700	5,190	17,920	4,680	19,340	80,600	5,180	17,960	4,310	19,070	81,000	5,180	17,960	4,310	19,070	81,000					
16	EB	I-80	Ramp	Richards Blvd Off	389	1,649	422	1,829	7,064	520	2,060	540	2,440	8,400	490	1,920	490	2,190	8,100	480	1,900	490	2,180	8,000	500	1,930	500	2,180	8,100	490	1,930	490	2,180	8,100	490	1,930	490	2,180	8,100					
17	EB	I-80	Mainline	Richards Blvd Off to On	4,046	13,737	3,306	14,129	60,846	4,170	14,660	3,650	15,820	67,900	4,560	15,940	4,380	17,980	73,400	4,770	16,160	4,370	18,100	73,700	4,690	15,990	4,180	17,160	72,500	4,690	16,030	3,820	16,760	72,500	4,690	16,030	3,820	16,760	72,500					
18	EB	I-80	Ramp	Richards Blvd On	242	903	375	1,507	5,484	360	1,270	460	1,860	7,100	390	1,360	580	2,330	8,100	400	1,340	590	2,330	8,100	390	1,360	510	2,030	7,500	400	1,340	420	1,640	7,000	400	1,340	420	1,640	7,000					
19	EB	I-80	Mainline	Richards Blvd to Mace Blvd	4,288	14,540	3,681	15,636	66,330	4,530	15,930	4,110	17,680	75,000	4,950	17,300	4,850	20,310	81,500	5,170	17,500	4,960	20,430	81,700	5,080	17,350	4,690	19,190	80,000	5,090	17,370	4,240	18,400	79,900	5,090	17,370	4,240	18,400	79,900					
20	EB	I-80	Ramp	Mace Blvd Off	314	1,144	153	871	4,667	330	1,190	180	900	4,900	330	1,170	190	1,010	5,100	320	1,160	190	1,010	5,100	320	1,160	190	1,010	5,100	320	1,160	190	1,010	5,100	320	1,160	190	1,010	5,100					
21	EB	I-80	Mainline	Mace Blvd Off to SB On	3,974	13,498	3,528	14,765	61,663	4,200	14,740	3,930	16,740	70,100	4,620	16,130	4,770	19,300	76,500	4,850	16,340	4,770	19,450	76,800	4,760	16,200	4,510	18,280	75,200	4,770	16,220	4,080	17,520	74,200	4,770	16,220	4,080	17,520	74,200					
22	EB	I-80	Ramp	Mace Blvd SB On	680	2,065	641	2,311	7,222	800	2,710	960	3,170	10,600	890	2,820	810	3,080	10,700	880	2,830	810	3,050	10,700	880	2,820	810	3,050	10,700	880	2,820	810	3,050	10,700	880	2,820	810	3,050	10,700					
23	EB	I-80	Mainline	Mace Blvd SB On to NB On	4,654	15,561	4,169	17,076	68,885	5,000	17,450	4,890	20,110	80,700	5,510	18,950	5,580	22,380	87,200	5,730	19,170	5,580	22,500	87,500	5,640	19,020	5,440	21,880	86,000	5,670	19,060	5,060	21,250	85,400	5,670	19,060	5,060	21,250	85,400					
24	EB	I-80	Ramp	Mace Blvd NB On	405	1,345	521	1,667	4,889	500	1,700	540	2,140	5,600	600	1,970	700	2,240	5,700	620	2,020	710	2,280	5,700	620	2,020	710	2,280	5,700	620	2,020	710	2,280	5,700	620	2,020	710	2,280	5,700					
25	EB	I-80	Mainline	Enterprise Blvd to Chiles Rd	5,059	16,266	4,680	18,433	73,744	5,340	19,720	5,430	21,850	86,200	6,350	20,620	6,290	24,200	94,900	6,260	21,020	6,680	24,780	94,900	6,260	21,020	6,680	24,780	94,900	6,260	21,020	6,680	24,780	94,900	6,260	21,020	6,680	24,780	94,900					
26	EB	I-80	Ramp	Chiles Rd Off	7	36	9	36	200	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300	10	40	10	40	300					
27	EB	I-80	Mainline	Chiles Rd Off to SB On	5,052	16,870	4,680	18,707	73,574	5,530	21,120	5,420	21,810	86,600	6,100	20,880	6,270	24,580	94,400	6,340	21,150	6,280	24,740	94,600	6,250	20,980	6,080	23,660	92,900	6,290	21,070	5,710	23,570	92,900	6,290	21,070	5,710	23,570	92,900					
28	EB	I-80	Ramp	Chiles Rd On	299	734	633	2,036	3,795	620	1,990	830	2,710	7,600	520	1,340	770	2,340	4,500	510	1,360	820	2,600	4,900	500	1,310	890	2,400	4,700	510	1,330	860	2,750	4,900	510	1,330	860							

Total Demand Volume			2019 Existing							2049 Alternative 1 (No Build)							2049 Alternative 2 (Add HOV)							2049 Alternative 3 (Add HOV+2)							2049 Alternative 4 (Add HOV+3)						
ID	Direction	Route	Type	Description	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily			
106	WB	US	Ramp	16th St Off	1,021	3,382	723	3,697	12,041	3,150	3,073	710	3,707	12,010	810	2,780	440	2,200	11,000	770	2,800	490	2,150	10,900	770	2,440	420	1,930	10,500	650	2,410	420	1,930	10,500			
107	WB	US	Mainline	16th St Off to 10th St Off	8,588	33,380	7,956	30,932	133,076	10,620	39,220	10,210	37,980	165,300	10,500	38,780	10,190	38,520	163,300	10,460	38,710	9,880	38,850	163,400	10,330	38,230	9,190	35,850	160,500	10,080	37,710	9,130	35,650	159,100			
108	WB	US	Ramp	10th St Off	1,312	3,829	813	3,017	12,017	1,320	3,880	1,250	3,620	15,400	1,300	3,880	1,090	3,690	13,200	1,320	4,030	1,000	3,230	13,600	1,320	3,940	850	2,940	13,300	1,500	3,880	830	3,080	12,200			
109	WB	US	Mainline	10th St Off to 15th St On	7,276	27,551	7,143	27,915	121,059	9,300	35,340	8,960	34,360	149,900	9,200	34,900	9,100	34,830	150,100	9,140	34,680	8,880	35,630	147,800	9,010	34,290	8,330	32,910	147,300	9,030	33,830	8,300	32,580	147,100			
110	WB	US	Ramp	15th St On	716	2,281	843	3,157	11,698	880	2,320	850	3,180	11,800	900	2,700	930	3,180	11,800	940	2,650	930	3,210	11,800	940	2,620	1,080	3,740	11,800	900	2,730	880	3,100	12,500			
111	WB	US	Mainline	15th St to I-5	7,992	29,832	7,986	31,072	137,370	10,180	37,660	9,830	38,100	161,900	10,180	37,660	9,830	38,100	161,900	10,080	37,330	9,810	38,840	159,600	9,950	36,910	9,410	36,650	159,100	10,010	36,560	9,180	35,770	159,600			
112	WB	US	Ramp	I-5 Off	3,378	12,500	3,624	14,092	57,390	3,600	13,900	3,780	14,550	64,000	3,530	13,490	3,550	13,710	64,000	3,410	13,330	3,640	14,110	62,100	3,420	13,230	3,640	13,620	62,100	3,410	13,230	3,650	14,120	62,500			
113	WB	US	Ramp	I-5 NB Off	2,671	7,929	1,808	7,401	38,613	2,890	11,000	1,930	7,470	45,000	2,820	10,700	1,680	5,940	43,400	2,820	10,700	1,680	5,940	43,400	2,700	10,550	1,810	6,940	43,100	2,740	10,560	1,820	7,440	42,900			
114	WB	US	Ramp	I-5 SB Off	707	2,701	1,816	6,691	18,917	1,710	2,900	1,850	7,800	19,000	1,710	2,790	1,820	6,830	20,900	1,720	2,760	1,820	7,190	19,500	1,720	2,770	1,830	6,680	19,000	1,720	2,770	1,830	6,680	19,100			
115	WB	US	Mainline	I-5 Off to 5th St On	4,614	17,332	4,362	16,980	75,227	6,580	23,760	6,030	22,990	97,700	6,650	24,110	6,320	24,240	96,900	6,670	24,170	6,300	24,730	97,500	6,530	23,590	5,770	23,030	97,000	6,600	23,230	5,530	21,650	97,100			
116	WB	US	Ramp	5th St On	242	752	441	1,471	3,681	270	770	450	1,490	3,700	330	1,100	510	1,810	3,800	300	1,270	490	1,850	4,200	300	1,240	500	1,880	4,000	400	1,280	510	1,930	4,300			
117	WB	US	Mainline	5th St On to I-5 On	4,856	18,084	4,803	18,451	78,908	6,850	24,530	6,480	24,480	101,400	6,980	25,210	6,840	26,650	101,700	7,060	25,440	6,790	26,560	101,700	6,920	24,830	6,270	24,910	101,000	7,000	24,510	6,040	23,580	101,400			
118	WB	US	Ramp	Delta Ln Off	1,065	474	1,261	783	2,951	1,200	1,080	940	3,100	2,700	1,190	480	1,750	7,000	2,700	1,150	520	1,750	7,500	2,700	1,100	550	1,700	7,200	2,700	1,090	480	1,850	7,300				
119	WB	US	Ramp	I-5 NB On	1,202	4,843	597	1,726	15,563	1,530	6,300	970	3,230	21,600	1,540	6,360	1,060	3,460	21,900	1,530	6,260	1,030	3,370	21,800	1,530	6,320	1,050	3,450	21,800	1,530	6,270	1,050	3,380	21,700			
120	WB	US	Ramp	I-5 On	1,462	5,908	1,071	3,468	12,646	1,800	7,380	1,460	5,000	27,800	1,810	7,450	1,540	5,210	28,900	1,800	7,410	1,550	5,210	29,300	1,800	7,420	1,600	5,230	29,000	1,800	7,360	1,550	5,230	29,100			
121	WB	US	Mainline	I-5 to Jefferson Blvd	6,318	23,992	5,874	21,919	100,554	8,650	31,910	7,940	29,480	129,100	8,790	32,660	8,380	31,260	130,600	8,860	32,850	8,340	31,680	131,000	8,720	32,250	7,870	30,140	130,000	8,800	31,870	7,580	28,810	130,400			
122	WB	US	Ramp	Jefferson Blvd/Delta Ln Off	1,517	5,162	2,115	8,077	25,928	2,850	9,180	3,270	12,600	46,500	2,710	9,690	3,250	12,620	48,600	2,700	9,750	3,260	12,620	45,100	2,700	9,370	3,180	10,400	44,500	2,700	9,280	3,150	12,280	44,700			
123	WB	US	Ramp	Delta Ln Off	674	1,999	734	2,492	8,150	1,290	4,480	1,400	5,120	21,000	1,330	4,750	1,380	5,140	20,900	1,340	4,740	1,390	5,140	20,900	1,310	4,540	1,310	4,920	20,600	1,350	4,540	1,420	4,800	21,000			
124	WB	US	Ramp	Jefferson Blvd Off	843	3,163	1,483	5,585	17,778	1,600	5,330	1,870	7,480	25,500	1,380	4,940	1,870	7,480	23,900	1,400	5,010	1,870	7,480	24,200	1,390	4,830	1,870	7,480	23,900	1,390	4,740	1,870	7,480	23,700			
125	WB	US	Mainline	Jefferson Blvd Off to On	4,801	18,830	3,659	13,482	74,628	5,760	22,110	4,600	16,820	82,600	6,080	22,970	5,130	18,840	85,900	6,120	23,700	4,390	19,060	85,800	6,020	22,880	4,690	17,740	85,500	6,060	22,590	4,420	16,530	85,700			
126	WB	US	Ramp	Jefferson Blvd	249	915	307	1,088	3,715	330	1,190	510	1,590	4,600	320	1,170	520	1,700	5,100	300	1,110	520	1,730	5,100	290	1,100	490	1,540	4,900	280	1,070	440	1,580	4,800			
127	WB	US	Ramp	Tower Bridge Gateway On	151	590	597	1,726	2,883	490	1,940	930	2,700	7,600	440	1,670	990	2,930	5,600	440	1,640	1,020	2,980	6,600	450	1,640	990	2,850	6,400	430	1,620	960	2,800	6,300			
128	WB	US	Ramp	TBC/Jefferson Blvd	400	1,050	904	2,814	6,598	420	1,310	440	2,190	12,200	370	1,280	1,510	4,630	11,600	370	1,280	1,510	4,630	11,600	370	1,280	1,510	4,630	11,600	370	1,280	1,510	4,630	11,600			
129	WB	US	Mainline	Jefferson Blvd to Harbor Blvd	5,201	20,335	4,563	16,656	81,224	6,580	25,230	6,110	21,920	92,800	6,840	25,810	6,640	23,270	97,700	6,860	25,850	6,620	23,770	97,600	6,760	25,620	6,170	22,310	96,800	6,710	25,280	5,830	20,910	96,800			
130	WB	US	Ramp	Harbor Blvd Off	1,700	5,982	1,114	4,952	19,293	2,190	7,980	2,190	8,500	22,100	1,620	6,910	1,820	6,180	22,200	1,640	6,950	1,820	6,180	22,200	1,620	6,940	1,820	6,180	22,200	1,620	6,940	1,820	6,180	22,200			
131	WB	US	Mainline	Harbor Blvd Off to NB On	3,501	14,353	3,140	11,800	60,420	4,480	18,140	4,060	14,770	71,900	4,680	18,840	4,820	17,130	74,500	4,710	18,860	4,820	17,130	74,500	4,590	18,610	4,370	15,940	74,000	4,580	18,280	4,080	15,880	73,800			
132	WB	US	Ramp	Harbor Blvd NB On	532	1,456	510	1,756	5,255	820	2,300	630	2,400	7,100	800	2,310	670	2,460	7,200	820	2,360	670	2,490	7,300	800	2,250	670	2,350	7,000	780	2,200	680	2,740	7,000			
133	WB	US	Mainline	Harbor Blvd NB On to SB On	4,033	15,849	3,659	13,556	65,675	5,300	20,440	4,690	17,170	79,000	5,540	21,150	5,490	19,590	87,100	5,530	21,160	5,470	20,080	82,100	5,390	20,860	5,040	18,290	81,000	5,360	20,480	4,760	17,820	80,800			
134	WB	US	Ramp	Harbor Blvd SB On	207	771	253	927	3,671	230	860	550	1,640	4,500	230	900	520	1,530	4,500	240	910	540	1,570	4,500	240	890	540	1,560	4,500	240	890	520	1,550	4,500			
135	WB	US	Mainline	Harbor Blvd to I-80	4,240	16,620	3,912	14,483	69,346	5,530	21,300	5,240	18,810	83,500	5,710	22,050	6,010	21,120	86,200	5,770	22,070	6,000	21,650	86,600	5,630	21,750	5,580	19,850	85,500	5,600	21,370	5,280	19,370	85,300			
136	WB	US	Ramp	I-80 Off	1,405	4,719	1,719	5,292	19,293	1,720	5,290	2,190	7,320	22,100	1,620	5,170	2,190	7,320	22,100	1,640	5,150	2,340	7,640	21,900	1,620	5,040	2,170	7,000	21,400	1,570	4,910	1,670	6,730	21,200			
137	WB	US	Mainline	I-80 Off to On	2,835	12,120	1,913	8,805	50,053	3,600																											

Total Demand Volume			2019 Existing							2024 Alternative 6 (Add Transit)							2049 Alternative 7 (Convert HOV)							2049 Alternative 8 (Add HOV Med)							2049 Alt 9 (Add HOV no Ent)						
ID	Direction	Route	Type	Description	AM	PM	PP	PM	PP	Daily	AM	PM	PP	PM	PP	Daily	AM	PM	PP	PM	PP	Daily	AM	PM	PP	PM	PP	Daily	AM	PM	PP	PM	PP	Daily			
1	EB	I-80	Mainline	Pedrick Rd Off to On	4,320	15,040	4,447	17,050	67,188	5,050	17,370	4,710	18,090	75,500	5,560	17,820	4,680	18,610	75,300	5,070	17,480	4,700	18,220	76,000	5,040	17,480	4,710	18,230	76,000	5,040	17,480	4,710	18,230	76,000			
2	EB	I-80	Ramp	Pedrick Rd On	211	566	124	470	1,999	2,200	570	130	480	2,100	2,200	570	130	480	2,100	2,200	570	130	480	2,100	2,200	570	130	480	2,100	2,200	570	130	480	2,100			
3	EB	I-80	Mainline	Pedrick Rd to Kiwellid Rd	4,531	15,006	4,571	17,520	69,187	5,270	17,940	4,840	18,560	77,500	5,280	17,820	4,880	19,090	77,400	5,290	18,050	4,830	18,690	78,000	5,260	18,130	4,840	18,730	78,000	5,260	18,130	4,840	18,730	78,000			
4	EB	I-80	Ramp	Kiwellid Rd Off	27	88	48	161	501	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600	30	90	50	170	600			
5	EB	I-80	Mainline	Kiwellid Rd Off to On	4,504	15,518	4,523	17,359	68,686	5,240	17,850	4,790	18,390	77,000	5,250	17,800	4,760	18,920	76,800	5,260	17,900	4,780	18,520	77,400	5,230	18,040	4,790	18,590	77,500	5,230	18,040	4,790	18,590	77,500			
6	EB	I-80	Ramp	Kiwellid Rd On	51	145	73	229	793	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800	60	150	80	230	800			
7	EB	I-80	Mainline	Kiwellid Rd to SR 113	4,555	15,663	4,596	17,588	69,479	5,300	18,000	4,870	18,620	77,800	5,310	17,950	4,840	19,150	77,600	5,320	18,110	4,860	18,750	78,200	5,290	18,190	4,870	18,800	78,300	5,290	18,190	4,870	18,800	78,300			
8	EB	I-80	Ramp	SR 113 Off	1,011	3,095	1,439	4,538	13,200	1,520	4,520	1,440	4,540	16,400	1,610	4,930	1,530	4,990	17,100	1,610	4,930	1,530	4,990	17,100	1,610	4,930	1,530	4,990	17,100	1,610	4,930	1,530	4,990	17,100			
9	EB	I-80	Mainline	SR 113 Off to Old Davis Rd Off	3,544	12,568	3,157	13,050	56,279	3,780	13,480	3,430	14,080	61,400	3,700	13,020	3,320	14,160	60,500	3,910	14,130	3,810	15,220	64,200	3,890	14,220	3,850	15,340	64,400	3,890	14,220	3,850	15,340	64,400			
10	EB	I-80	Ramp	Old Davis Rd Off	353	1,024	328	1,008	3,782	520	1,490	350	1,120	5,000	540	1,560	350	1,130	5,000	480	1,310	340	1,070	4,900	480	1,300	340	1,070	4,900	480	1,300	340	1,070	4,900			
11	EB	I-80	Mainline	Old Davis Rd Off to SR 113 On	3,191	11,544	2,829	12,042	52,497	3,260	11,990	3,080	12,960	56,400	3,100	11,460	2,970	13,030	55,500	3,430	12,820	3,470	14,150	59,300	3,410	13,920	3,510	14,270	59,600	3,410	13,920	3,510	14,270	59,600			
12	EB	I-80	Ramp	SR 113 On	879	2,542	551	1,878	5,579	900	2,940	490	1,260	11,000	1,030	2,830	620	2,910	11,000	1,170	3,400	760	3,480	12,700	1,120	3,320	730	3,470	12,600	1,120	3,320	730	3,470	12,600			
13	EB	I-80	Mainline	SR 113 On to Old Davis Rd On	4,070	14,086	3,189	13,200	67,400	4,250	14,930	3,180	13,630	67,400	4,250	14,930	3,180	13,630	67,400	4,250	14,930	3,180	13,630	67,400	4,250	14,930	3,180	13,630	67,400	4,250	14,930	3,180	13,630	67,400			
14	EB	I-80	Ramp	Old Davis Rd to Richards Blvd	365	1,300	548	2,038	6,837	410	1,460	580	2,340	8,600	420	1,460	570	2,260	8,500	440	1,670	640	2,550	9,200	450	1,660	640	2,560	9,200	450	1,660	640	2,560	9,200			
15	EB	I-80	Mainline	Old Davis Rd to Richards Blvd	4,435	15,386	3,728	15,958	67,817	4,660	16,390	4,150	17,970	76,000	4,610	15,750	4,160	18,200	75,000	5,040	17,890	4,870	20,180	81,200	4,980	17,910	4,880	20,260	81,400	4,980	17,910	4,880	20,260	81,400			
16	EB	I-80	Ramp	Richards Blvd Off	389	1,649	422	1,829	7,064	510	2,020	540	2,390	8,400	550	2,110	500	2,360	8,400	490	1,920	480	2,200	8,000	490	1,900	480	2,200	8,000	490	1,900	480	2,200	8,000			
17	EB	I-80	Mainline	Richards Blvd Off to On	4,046	13,737	3,306	14,129	60,846	4,150	14,370	3,610	15,580	67,600	4,060	13,640	3,660	15,840	66,600	4,550	15,970	4,390	17,980	73,200	4,490	16,010	4,400	18,060	73,400	4,490	16,010	4,400	18,060	73,400			
18	EB	I-80	Ramp	Richards Blvd On	242	903	375	1,507	5,484	320	1,140	440	1,820	6,900	330	1,120	430	1,720	6,500	390	1,330	600	2,350	8,100	400	1,330	590	2,110	8,000	400	1,330	590	2,110	8,000			
19	EB	I-80	Mainline	Richards Blvd to Mace Blvd	4,288	14,640	3,681	15,636	66,330	4,470	15,510	4,050	17,400	74,500	4,390	14,760	4,080	17,550	73,100	4,940	17,300	4,990	20,330	81,300	4,890	17,340	4,990	20,370	81,400	4,890	17,340	4,990	20,370	81,400			
20	EB	I-80	Ramp	Mace Blvd Off	314	1,144	153	871	4,667	330	1,200	180	960	5,000	330	1,190	180	940	5,000	330	1,170	180	980	5,000	330	1,160	190	1,010	5,000	330	1,160	190	1,010	5,000			
21	EB	I-80	Mainline	Mace Blvd Off to NB On	3,974	13,496	3,528	14,765	61,663	4,140	14,310	3,870	16,440	69,500	4,060	13,570	3,910	16,620	68,100	4,610	16,130	4,810	19,350	76,300	4,560	16,180	4,800	19,370	76,400	4,560	16,180	4,800	19,370	76,400			
22	EB	I-80	Ramp	Mace Blvd SB On	208	2,065	641	2,311	7,222	810	2,760	850	3,060	9,900	880	2,560	820	2,950	9,900	900	2,830	820	3,020	10,600	900	2,790	810	3,010	10,600	900	2,790	810	3,010	10,600			
23	EB	I-80	Mainline	Mace Blvd SB On to NB On	4,654	15,561	4,169	17,076	68,885	4,950	17,070	4,720	19,500	79,400	4,940	16,130	4,730	19,570	77,700	5,510	18,960	5,630	22,370	86,900	5,430	18,970	5,610	22,380	87,000	5,430	18,970	5,610	22,380	87,000			
24	EB	I-80	Ramp	Mace Blvd NB On	405	1,345	521	1,667	4,889	520	1,750	530	1,930	5,600	410	1,350	590	1,910	5,400	590	1,980	700	2,290	7,600	590	1,950	680	2,240	7,400	590	1,950	680	2,240	7,400			
25	EB	I-80	Mainline	Mace Blvd to Chiles Rd	5,059	16,466	4,680	18,433	73,744	5,470	18,620	5,250	21,230	85,200	5,380	17,980	5,320	21,480	84,500	6,090	20,740	6,320	24,900	94,900	6,020	20,920	6,240	24,920	94,400	6,020	20,920	6,240	24,920	94,400			
26	EB	I-80	Ramp	Chiles Rd Off	7	36	9	36	200	7	36	9	36	200	7	36	9	36	200	7	36	9	36	200	7	36	9	36	200	7	36	9	36	200			
27	EB	I-80	Mainline	Chiles Rd Off to SB On	5,052	16,870	4,681	18,707	73,574	5,460	18,780	5,240	21,190	84,700	5,340	17,440	5,310	21,440	82,800	6,090	20,900	6,320	24,620	94,200	6,010	20,880	6,240	24,580	94,100	6,010	20,880	6,240	24,580	94,100			
28	EB	I-80	Ramp	Chiles Rd On	299	734	633	2,036	3,795	460	1,430	790	2,610	6,600	560	1,960	880	2,560	6,800	520	1,400	800	2,580	9,000	520	1,350	830	2,630	9,000	520	1,350	830	2,630	9,000			
29	EB	I-80	Mainline	Chiles Rd to Enterprise Blvd	5,351	17,604	5,314	20,743	77,369	5,920	20,210	6,030	23,810	91,300	5,990	19,400	6,190	24,000	89,600	6,610	22,300	7,120	27,200	99,100	6,530	22,230	7,110	27,210	98,600	6,530	22,230	7,110	27,210	98,600			
30	EB	I-80	Ramp	Enterprise Blvd Off	302	1,016	423	1,710	4,625	410	1,440	480	2,130	6,500	360	1,270	440	1,970	6,500	440	1,560	500	2,220	7,400	410	1,300	520	2,040	5,300	410	1,300	520	2,040	5,300			
31	EB	I-80	Mainline	Enterprise Blvd Off to On	5,049	16,588	4,891	19,013	72,744	5,510	18,770	5,550	21,990	84,400	5,630	18,130	5,740	22,300	83,100	6,170	20,740	6,620	24,900	91,700	6,100	20,910	6,520	24,900	91,200	6,100	20,910	6,520	24,900	91,200			
32	EB	I-80	Ramp	Enterprise Blvd On	494	1,908	988	3,281	10,513	1,070	4,160	1,490	5,230	19,500	1,120	4,650	1,420	5,000	19,500	1,100	4,610	1,430	5,080	19,100	1,120	4,590	1,410	5,040	19,100	1,120	4,590	1,410	5,040	19,100			
33	EB	I-80	Mainline	Enterprise Blvd to US 50	5,																																

Total Demand Volume			2019 Existing							2049 Alternative 6 (Add Transit)							2049 Alternative 7 (Convert HOV)							2049 Alternative 7 (Add HOV Med)							2049 Alt 8 (Add HOV no Ent)						
ID	Direction	Route	Type	Description	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily	AM PH	AM PP	PM PH	PM PP	Daily								
106	WB	US	Ramp	16th St On	1,021	3,382	723	3,072	12,041	820	2,980	470	2,460	11,600	920	3,120	470	2,460	11,800	810	2,780	370	2,460	11,200	860	2,900	350	2,110	11,100								
107	WB	US	Mainline	16th St Off to 10th St Off	8,588	33,380	7,956	30,932	133,076	10,470	38,560	9,700	38,200	162,100	10,200	37,810	9,880	37,120	160,600	11,610	38,810	9,900	38,390	163,100	10,410	38,660	9,910	37,980	163,100								
108	WB	US	Ramp	10th St Off	1,312	3,829	813	3,017	13,072	1,310	4,080	1,120	4,040	15,400	1,290	4,010	1,240	4,170	17,800	1,300	4,080	1,070	3,690	13,200	1,270	3,950	1,100	3,730	13,700								
109	WB	US	Mainline	10th St Off to 15th St On	7,276	27,551	7,143	27,915	121,059	9,160	34,480	8,580	33,980	146,700	8,910	33,800	8,640	33,400	145,400	9,210	33,930	8,830	34,700	149,900	9,140	34,710	8,810	34,250	149,400								
110	WB	US	Ramp	15th St On	716	2,281	843	3,157	11,698	810	2,290	850	3,180	11,800	760	2,290	850	3,190	11,800	930	2,660	1,020	3,180	11,800	920	2,710	890	3,330	11,800								
111	WB	US	Mainline	15th St to I-5	7,992	29,332	7,986	31,072	132,275	9,970	36,770	9,430	37,160	158,500	9,670	36,090	9,490	36,590	157,200	10,140	36,590	9,850	37,880	161,700	9,900	37,420	9,700	37,880	161,200								
112	WB	US	Ramp	I-5 Off	3,378	12,800	3,624	14,092	57,390	3,560	13,600	3,650	14,410	63,300	3,550	13,540	3,600	13,980	62,700	3,490	13,390	3,520	13,940	63,000	3,490	13,550	3,520	13,980	63,500								
113	WB	US	Ramp	I-5 NB Off	2,571	9,299	1,808	7,401	38,613	2,850	10,850	1,820	7,300	44,000	2,840	10,820	1,780	7,270	43,700	2,840	10,820	1,700	7,170	43,500	2,780	10,530	1,710	6,940	43,300								
114	WB	US	Ramp	I-5 SB Off	707	2,701	1,816	6,691	18,917	710	2,750	1,830	7,110	19,300	710	2,740	1,820	6,810	19,000	710	2,760	1,820	6,990	20,400	710	2,920	1,810	6,860	20,600								
115	WB	US	Mainline	I-5 Off to 5th St On	4,614	17,332	4,362	16,980	75,227	6,410	23,170	5,780	22,750	95,200	6,120	22,550	5,890	22,610	94,500	6,650	23,200	6,330	23,940	97,800	6,570	23,870	6,280	23,780	97,300								
116	WB	US	Ramp	5th St On	242	752	441	1,471	3,681	260	900	450	1,490	3,900	250	820	450	1,490	3,700	310	1,070	520	2,070	4,300	300	1,100	480	1,750	3,700								
117	WB	US	Mainline	5th St On to I-5 On	4,856	18,084	4,803	18,451	78,908	6,670	24,070	6,230	24,230	99,100	6,370	23,370	6,340	24,100	98,200	6,960	24,270	6,850	26,010	102,100	6,900	24,970	6,660	25,510	101,000								
118	WB	US	Ramp	I-5 NB On	1,065	474	1,261	523	1,983	770	1,102	1,100	425	1,600	2,700	1,070	480	1,150	1,630	2,700	1,120	480	1,150	1,710	2,700	1,110	480	1,150	1,710								
119	WB	US	Ramp	I-5 NB On	1,202	1,843	597	1,726	15,563	1,480	6,150	890	3,080	21,000	1,520	6,210	960	3,140	20,900	1,540	6,260	1,040	3,400	21,600	1,490	6,240	1,010	3,360	21,900								
120	WB	US	Ramp	I-5 On	1,462	5,908	1,071	3,468	21,646	1,750	7,260	1,370	4,840	27,100	1,790	7,280	1,440	4,890	27,200	1,810	7,380	1,520	5,150	28,700	1,760	7,350	1,490	5,110	29,200								
121	WB	US	Mainline	I-5 to Jefferson Blvd	6,318	23,992	5,874	21,919	100,554	8,420	31,330	7,600	29,080	126,200	8,160	30,650	7,780	28,990	125,400	8,770	31,650	8,370	31,160	130,800	8,660	32,320	8,150	30,620	130,200								
122	WB	US	Ramp	Jefferson Blvd/Delta Ln Off	1,517	5,162	2,215	8,077	25,928	2,830	9,930	3,240	12,570	46,200	2,730	9,440	3,190	12,340	45,200	2,650	9,240	3,270	12,570	44,800	2,670	9,660	3,260	12,630	45,500								
123	WB	US	Ramp	Delta Ln Off	674	1,999	734	2,492	8,150	1,330	4,790	1,370	5,090	21,300	1,220	4,380	1,330	4,860	20,700	1,320	4,530	1,400	5,090	21,000	1,310	4,490	1,390	5,200	20,600								
124	WB	US	Ramp	Jefferson Blvd Off	843	3,163	1,483	5,585	17,778	1,500	5,140	1,870	7,480	24,900	1,510	5,060	1,870	7,490	24,500	1,330	4,710	1,870	7,480	23,800	1,360	5,070	1,870	7,480	24,900								
125	WB	US	Mainline	Jefferson Blvd Off to On	4,801	18,830	3,659	13,842	74,626	5,930	21,400	4,360	16,510	80,000	5,420	21,210	4,320	16,650	80,200	6,120	22,410	5,100	18,590	86,000	5,990	22,660	4,890	17,940	84,700								
126	WB	US	Ramp	Jefferson Blvd On	249	915	307	1,088	3,715	320	1,100	460	1,470	4,800	310	1,120	480	1,570	4,800	290	1,130	520	1,670	5,000	390	1,340	540	1,770	5,300								
127	WB	US	Ramp	Tower Bridge Gateway On	151	590	597	1,726	2,883	510	1,740	900	2,510	7,200	550	1,780	880	2,600	6,800	440	1,680	980	2,880	6,400	450	1,730	980	2,850	6,400								
128	WB	US	Ramp	TBC/Jefferson Blvd	400	1,505	904	2,814	6,598	830	2,840	1,360	3,980	12,000	860	2,900	1,360	4,170	11,600	730	2,810	1,500	4,550	11,400	840	3,070	1,520	4,620	11,700								
129	WB	US	Mainline	Jefferson Blvd to Harbor Blvd	5,201	20,335	4,563	16,656	81,224	6,420	24,240	5,720	20,990	92,000	6,290	24,110	5,950	20,820	91,800	6,850	25,220	6,600	23,140	97,400	6,830	25,370	6,410	22,660	96,400								
130	WB	US	Ramp	Harbor Blvd Off	1,700	5,922	1,414	4,952	19,293	2,170	7,110	2,050	6,990	22,400	1,950	6,470	1,740	5,940	22,600	2,160	6,510	3,000	6,070	22,800	2,090	6,590	1,870	5,910	22,600								
131	WB	US	Mainline	Harbor Blvd Off to NB On	3,501	14,353	3,140	11,800	60,420	4,330	17,260	3,830	14,510	69,600	4,440	17,640	4,240	14,880	69,200	4,690	18,310	3,770	17,070	74,600	4,740	18,770	4,540	16,410	72,600								
132	WB	US	Ramp	Harbor Blvd NB On	532	1,496	510	1,756	5,255	800	2,190	640	2,280	6,800	740	2,120	700	2,510	6,900	790	2,310	690	2,440	7,100	860	2,840	760	2,710	10,300								
133	WB	US	Mainline	Harbor Blvd NB On to SB On	4,033	15,849	3,659	13,556	65,675	5,130	19,450	4,470	16,790	76,400	5,180	19,760	4,940	17,390	76,100	5,480	20,620	5,460	19,510	81,700	5,600	21,610	5,300	19,120	82,900								
134	WB	US	Ramp	Harbor Blvd SB On	207	771	253	927	3,671	210	830	510	1,470	4,400	220	850	520	1,530	4,400	230	830	510	1,500	4,400	320	1,050	610	1,700	4,800								
135	WB	US	Mainline	Harbor Blvd to I-80	4,240	16,620	3,912	14,483	69,346	5,340	20,280	4,980	18,260	80,500	5,400	20,610	5,460	18,920	80,500	5,710	21,450	5,970	21,010	86,100	5,920	22,660	5,910	20,820	87,700								
136	WB	US	Ramp	I-80 Off	1,405	4,465	1,719	5,978	19,293	1,670	5,110	2,050	6,990	21,300	1,580	4,910	1,690	6,990	21,400	1,600	5,030	2,310	7,550	21,800	1,870	5,890	2,550	8,370	24,600								
137	WB	US	Mainline	I-80 Off to On	2,835	12,151	2,193	8,805	50,053	3,670	15,170	2,930	11,330	59,500	3,820	15,680	3,280	13,920	59,100	4,110	16,420	3,660	13,460	80,500	4,050	16,770	3,660	12,450	63,100								
138	WB	US	Ramp	I-80 On	2,721	10,132	2,281	7,986	40,888	3,390	13,220	3,010	10,350	51,600	3,090	12,240	2,850	9,820	50,200	2,970	11,640	2,420	8,460	45,540	3,500	13,600	2,850	10,240	50,500								
208	WB	-I-80	Ramp	I-80 HOV On																																	
139	WB	-I-80	Mainline	I-80 to W Capitol Ave	5,556	22,323	4,474	16,791	90,941	7,060	28,390	5,940	21,680	111,100	6,910	27,920	6,130	21,750	109,300	7,710	30,850	6,850	24,740	118,810	7,550	30,370	6,210	22,690	113,600								
140	WB	-I-80	Ramp	W Capitol Ave Off	924	3,065	999	1,677	10,946	1,390	4,620	990	3,630	18,600	1,300	4,430	1,020	3,810	18,500	1,290	4,430	1,030	3,760	18,300	1,080	3,500	480	1,940	12,100								
141	WB	-I-80	Mainline	W Capitol Ave Off to EB On	4,632	18,218	4,029	14,795	79,956	5,670	23,770	4,840	17,950	94,600	5,620	23,490	5,120	18,200	94,600	6,420	24,820	5,920	21,200	101,510	6,470	25,070	5,730	20,920	101,510								
142	WB	-I-80																																			





ID		Direction		Route		Restriction		Truck Percentage				2019 Existing Truck Volume				2049 Alt 1 (No Build) Truck Volume				2049 Alt 2 (Add HOT2) Truck Volume				2049 Alt 3 (Add HOT2) Truck Volume				2049 Alt 4 (Add HOT3) Truck Volume						
								AM	PM	PP	PP	AM	PM	PP	PP	AM	PM	PP	PP	AM	PM	PP	PP	AM	PM	PP	PP	AM	PM	PP	PP	AM	PM	PP
106	WB	US 50	Ramp	16th St Off	7.0%	8.0%	5.0%	5.0%	2.1	82	279	35	54	939	75	235	996	65	236	110	658	62	238	55	207	92	204	21	99	842				
107	WB	US 50	Mainline	16th St Off to 10th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	687	2,660	389	1,547	10,380	850	3,324	511	1,899	12,893	840	3,287	510	1,926	12,737	837	3,281	494	1,943	12,589	826	3,241	460	1,793	12,519
108	WB	US 50	Ramp	10th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	105	325	43	151	937	106	329	63	181	1,201	104	329	55	185	1,000	106	342	50	161	1,061	106	335	43	147	1,030
109	WB	US 50	Mainline	10th St Off to 15th St On	8.0%	8.5%	5.0%	5.0%	7.8%	582	2,135	357	1,396	9,443	744	2,955	448	1,718	11,692	736	2,928	455	1,742	11,708	737	2,939	444	1,742	11,538	722	2,866	417	1,629	11,474
110	WB	US 50	Ramp	15th St On	2.0%	2.7%	2.0%	2.2%	3.5%	14	61	17	70	409	18	62	17	70	413	20	73	15	70	413	19	71	19	71	413	19	70	22	83	413
111	WB	US 50	Mainline	15th St On to I-5	7.5%	8.1%	4.7%	4.7%	7.4%	753	2,622	374	1,466	9,988	762	2,623	408	1,771	11,628	762	2,623	408	1,771	11,628	762	2,623	408	1,771	11,628	762	2,623	408	1,771	11,628
112	WB	US 50	Ramp	15th St Off	7.5%	8.1%	4.7%	4.7%	7.4%	253	1,007	170	657	4,788	270	1,120	177	657	4,788	254	1,087	164	650	4,756	255	1,000	164	665	4,955	256	1,073	170	657	4,788
113	WB	US 50	Ramp	I-5 NB Off	7.5%	8.0%	4.7%	4.7%	7.4%	200	789	85	350	2,857	216	885	90	353	3,330	211	861	79	328	3,212	201	837	79	327	3,152	202	849	85	328	3,189
114	WB	US 50	Ramp	I-5 NB Off	7.5%	8.1%	4.7%	4.7%	7.4%	53	218	85	315	1,400	53	224	87	314	1,406	53	225	85	317	1,524	54	223	85	319	1,443	54	224	86	315	1,406
115	WB	US 50	Ramp	I-5 NB Off to 5th St On	7.5%	8.1%	4.7%	4.7%	7.4%	346	1,395	243	1,011	5,657	293	1,193	243	1,011	5,657	293	1,193	243	1,011	5,657	293	1,193	243	1,011	5,657	293	1,193	243	1,011	5,657
116	WB	US 50	Ramp	5th St On	2.0%	2.7%	2.0%	2.2%	3.5%	5	9	32	129	5	9	32	129	5	9	32	129	5	9	32	129	5	9	32	129	5	9	32	129	
117	WB	US 50	Mainline	5th St On to I-5 On	7.2%	7.8%	4.4%	4.5%	7.2%	351	1,439	213	881	5,683	496	1,904	288	1,104	7,301	495	1,978	308	1,175	7,322	513	1,996	301	1,198	7,322	501	1,948	278	1,123	7,372
118	WB	US 50	Ramp	I-5 NB Off	7.0%	7.8%	5.0%	5.0%	7.7%	8	39	24	87	300	10	40	25	89	317	10	40	25	89	317	10	40	25	89	317	10	40	25	89	317
119	WB	US 50	Ramp	I-5 NB Off	7.0%	7.8%	5.0%	5.0%	7.7%	84	396	30	86	1,183	107	516	49	162	1,142	108	520	43	173	1,164	107	512	52	169	1,167	107	517	53	173	1,167
120	WB	US 50	Ramp	I-5 NB Off	7.0%	7.8%	5.0%	5.0%	7.7%	102	485	54	166	1,167	126	605	73	203	1,133	127	612	77	203	1,225	126	606	78	204	1,256	126	607	77	203	1,225
121	WB	US 50	Ramp	Jefferson Blvd	4.5%	4.9%	4.3%	4.0%	7.4%	453	2,465	1,006	3,967	15,824	633	2,523	360	1,533	9,824	633	2,597	380	1,435	9,934	633	2,597	378	1,454	9,963	633	2,597	378	1,454	
122	WB	US 50	Ramp	Jefferson Blvd/Delta Ln Off	7.2%	8.0%	4.5%	4.0%	7.3%	109	411	100	370	3,993	208	780	148	577	3,195	195	771	147	578	3,270	197	776	148	578	3,292	194	745	144	568	3,249
123	WB	US 50	Ramp	Delta Ln Off	7.2%	7.9%	4.5%	4.0%	7.3%	49	158	33	114	995	91	353	63	235	1,533	96	374	63	235	1,536	96	374	63	236	1,536	94	358	59	225	1,504
124	WB	US 50	Ramp	Jefferson Blvd Off	7.2%	8.0%	4.5%	4.0%	7.3%	51	213	22	256	1,798	45	193	45	182	1,862	99	395	143	1,765	103	401	143	1,767	100	386	85	343	1,730		
125	WB	US 50	Mainline	Jefferson Blvd Off to On	7.2%	7.9%	4.5%	4.0%	7.3%	346	1,486	166	636	4,448	415	1,743	212	775	6,030	438	1,813	232	856	6,263	440	1,823	230	875	6,271	433	1,806	212	815	6,242
126	WB	US 50	Ramp	Jefferson Blvd Off	2.0%	2.7%	2.0%	2.2%	3.5%	5	25	6	24	100	7	32	10	35	161	6	32	10	37	179	6	30	10	38	179	6	30	10	34	
127	WB	US 50	Ramp	Tower Bridge Gateway	2.0%	2.7%	2.0%	2.1%	3.5%	3	16	12	36	101	15	49	19	57	166	12	46	20	60	204	15	46	20	60	204	15	46	20	60	
128	WB	US 50	Ramp	TB/Jefferson Blvd Off	2.0%	2.7%	2.0%	2.1%	3.5%	2	11	8	18	60	23	16	86	29	92	427	15	78	30	99	406	15	75	31	101	410	14	74	28	
129	WB	US 50	Mainline	Jefferson Blvd to Harbor Blvd	6.8%	7.5%	3.8%	4.1%	6.8%	353	1,524	176	683	5,523	447	1,993	235	868	6,446	465	1,934	256	954	6,623	466	1,937	255	975	6,637	469	1,930	237	907	6,582
130	WB	US 50	Ramp	Harbor Blvd Off	6.8%	7.5%	3.8%	4.1%	6.8%	115	446	54	198	645	143	529	79	260	1,557	147	520	70	250	1,557	146	521	70	252	1,550	147	523	677	237	1,564
131	WB	US 50	Mainline	Harbor Blvd Off to NB On	12.8%	12.9%	3.8%	4.1%	6.9%	238	1,078	121	485	4,169	94	362	156	607	4,961	318	1,145	185	704	5,141	320	1,146	185	723	5,161	312	1,137	188	655	5,106
132	WB	US 50	Ramp	Harbor Blvd NB On	6.8%	7.5%	3.8%	4.1%	6.9%	64	192	46	157	631	98	296	57	215	852	96	297	60	221	864	98	298	60	223	876	96	289	60	211	840
133	WB	US 50	Mainline	Harbor Blvd NB On to SB On	7.2%	8.0%	4.5%	4.7%	7.4%	302	1,274	165	639	4,866	297	1,142	212	809	5,496	410	1,700	248	923	6,046	414	1,700	247	946	6,076	404	1,676	238	862	5,994
134	WB	US 50	Ramp	Harbor Blvd SB On	12.0%	12.8%	10.0%	9.4%	12.2%	25	99	25	87	448	28	115	55	154	549	28	115	52	144	549	29	117	53	148	549	29	114	54	147	549
135	WB	US 50	Mainline	Harbor Blvd 80	7.7%	8.3%	4.8%	5.0%	7.7%	327	1,574	190	724	5,340	426	1,763	254	940	6,430	440	1,823	291	1,056	6,637	445	1,823	291	1,062	6,668	434	1,798	270	992	6,584
136	WB	US 50	Ramp	Harbor Blvd 80 Off	7.7%	8.3%	4.8%	5.0%	7.7%	129	476	83	283	1,054	125	424	112	379	1,494	125	424	112	379	1,494	125	424	112	379	1,494	125	424	112	379	1,494
137	WB	US 50	Mainline	I-80 Off to On	7.7%	8.3%	4.8%	5.0%	7.7%	219	1,004	106	441	3,854	234	1,233	148	575	4,736	235	1,199	179	676	4,959	239	1,199	177	701	4,982	309	1,381	165	642	4,936
138	WB	US 50	Ramp	I-80 On	6.9%	7.7%	6.2%	6.1%	7.9%	187	707	141	489	3,230	238	1,033	196	671	4,179	256	1,107	196	695	4,321	258	1,105	193	695	4,345	260	1,103	192	642	4,316
139	WB	US 50	Ramp	I-80 HOV On	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
139	WB	US 50	Mainline	I-80 to W Capital Ave	7.3%	8.0%	5.5%	5.5%	7.8%	405	1,780	245	925	7,093	310	2,355	341	1,238	8,323	571	2,505	376	1,370	9,290	575	2,503	372	1,398	9,337	568	2,484	357	1,284	9,204
140	WB	US 50	Ramp	W Capital Ave Off	7.3%	8.0%	5.5%	5.5%	7.8%	67	244	22	93	844	101	365	55	204	1,466	96	356	55	207	1,420	95	353	55	207	1,420	95	354	204	1,420	
141	WB	US 50	Mainline	W Capital Ave Off to EB On	7.3%	8.0%	5.5%	5.5%	7.8%	388	1,596	538	2,281	8,136	430	1,920	621	2,014	7,452	424	1,940	621	2,014	7,452	424	1,940	621	2,014	7,452					

ID	Direction	Heavy Vehicle Demand Volume		Percentage		2019 Existing Truck Volume		2049 Alt 6 (Add Transit) Truck Volume		2049 Alt 7 (Convert HOV) Truck Volume		2049 Alt 8 (Add HOV) Truck Volume		2049 Alt 9 (Add HOV on Exit) Truck Volume																								
		Route	Type	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM																					
1	EB	180	Mainline	8.0%	8.0%	136	1,203	303	5,778	404	1,990	377	1,277	493	406	1,938	376	1,286	6,536																			
2	EB	180	Ramp	8.0%	12.6%	18.0%	17.7%	16.2%	17	7	22	83	324	18	72	23	83	324	18	72	23	83	324	18	72	23	83	324	18	72	23	83	324					
3	EB	180	Mainline	8.2%	8.2%	8.3%	7.3%	8.8%	81	14	9	26	90	5	14	10	26	91	5	14	10	26	91	5	14	10	26	91	5	14	10	26	91					
4	EB	180	Ramp	8.0%	8.2%	8.3%	7.5%	8.9%	2	7	4	12	45	2	7	4	13	53	2	7	4	13	53	2	7	4	13	53	2	7	4	13	53					
5	EB	180	Mainline	8.0%	8.2%	8.3%	7.3%	8.8%	360	1,267	374	1,275	6,044	419	1,458	396	1,351	6,176	420	1,454	394	1,390	6,758	421	1,467	395	1,380	6,811	418	1,473	396	1,365	6,820					
6	EB	180	Ramp	8.0%	8.2%	12.0%	11.2%	11.4%	11	14	9	26	90	5	14	10	26	91	5	14	10	26	91	5	14	10	26	91	5	14	10	26	91					
7	EB	180	Mainline	8.3%	8.2%	8.3%	7.3%	8.8%	364	1,281	383	1,301	6,144	424	1,478	403	1,416	6,829	425	1,482	405	1,387	6,829	426	1,482	405	1,387	6,829	426	1,482	405	1,387	6,829					
8	EB	180	Ramp	8.0%	8.2%	8.3%	7.5%	8.9%	81	23	120	338	1,173	122	370	120	338	1,460	129	403	127	372	1,522	133	325	87	263	1,246	112	325	85	259	1,237					
9	EB	180	Mainline	8.0%	8.2%	8.3%	7.6%	8.8%	284	1,028	263	962	4,953	362	1,102	296	1,058	5,049	369	1,086	277	1,048	5,244	373	1,156	317	1,112	5,050	311	1,168	312	1,151	5,067					
10	EB	180	Ramp	8.0%	8.2%	8.3%	7.6%	8.9%	8	18	27	88	27	88	27	88	27	88	27	88	27	88	27	88	27	88	27	88	27	88	27	88	27	88				
11	EB	180	Mainline	8.0%	8.2%	8.3%	7.4%	8.8%	255	945	236	886	4,620	261	981	257	953	4,963	253	938	247	959	4,884	274	1,049	289	1,041	5,128	273	1,057	292	1,050	5,245					
12	EB	180	Ramp	8.0%	8.2%	8.3%	7.0%	8.5%	6	158	21	4	22	33	7	29	10	43	7	29	10	43	7	29	10	43	7	29	10	43	7	29	10	43				
13	EB	180	Mainline	8.0%	8.2%	8.3%	7.3%	8.8%	7,017	23,171	2,927	10,017	53,034	3,631	11,288	2,142	52,824	8,265	24,159	2,988	11,065	53,862	3,632	11,294	3,411	12,899	3,411	12,899	3,411	12,899	3,411	12,899	3,411	12,899				
14	EB	180	Ramp	3.0%	3.7%	4.0%	3.4%	4.6%	11	48	22	69	315	12	54	23	79	396	13	54	23	76	391	13	62	26	86	423	14	62	26	86	423					
15	EB	180	Mainline	7.4%	7.7%	7.5%	6.8%	8.3%	328	1,191	279	1,085	5,837	348	1,268	310	1,222	6,309	341	1,219	311	1,217	6,229	372	1,348	364	1,372	6,430	368	1,386	365	1,377	6,796					
16	EB	180	Ramp	7.4%	7.8%	7.5%	7.7%	8.3%	29	113	32	101	319	32	113	32	101	319	32	113	32	101	319	32	113	32	101	319	32	113	32	101	319	32	113	32	101	319
17	EB	180	Mainline	7.4%	7.7%	7.5%	6.8%	8.3%	299	1,061	247	962	5,050	307	1,110	270	1,061	5,111	300	1,054	274	1,079	5,238	336	1,234	328	1,225	6,076	332	1,237	329	1,230	6,092					
18	EB	180	Ramp	7.0%	1.4%	1.0%	1.5%	2.5%	13	4	12	33	13	4	12	33	13	4	12	33	13	4	12	33	13	4	12	33	13	4	12	33	13	4	12	33		
19	EB	180	Mainline	7.0%	7.3%	6.8%	6.3%	7.9%	301	1,074	251	984	5,260	314	1,138	276	1,095	5,866	309	1,083	279	1,105	5,775	347	1,270	340	1,279	6,423	342	1,273	340	1,282	6,431					
20	EB	180	Ramp	7.0%	7.4%	6.8%	6.2%	7.8%	22	84	10	54	364	23	89	12	59	390	23	88	12	58	390	23	86	12	60	390	23	86	12	60	390					
21	EB	180	Mainline	7.0%	7.3%	6.8%	6.3%	7.9%	279	990	240	910	4,872	291	1,050	264	1,036	5,491	285	995	266	1,047	5,590	324	1,183	328	1,219	6,028	321	1,187	327	1,220	6,036					
22	EB	180	Ramp	2.0%	2.0%	2.0%	2.5%	3.3%	14	41	11	57	238	16	55	17	76	327	18	51	17	73	317	18	57	16	75	300	17	56	16	74	300					
23	EB	180	Mainline	6.0%	6.3%	6.1%	5.8%	7.3%	293	1,031	253	986	5,029	312	1,131	287	1,126	5,796	311	1,069	287	1,130	5,672	347	1,257	342	1,292	6,344	342	1,257	341	1,293	6,351					
24	EB	180	Ramp	2.0%	2.0%	2.0%	2.4%	3.3%	8	27	10	41	163	10	35	11	42	185	8	27	12	46	178	12	40	14	56	251	12	39	14	55	244					
25	EB	180	Mainline	6.0%	6.3%	5.6%	5.5%	6.9%	301	1,066	266	1,026	5,090	318	1,178	295	1,162	5,865	318	1,094	299	1,176	5,748	363	1,311	366	1,350	6,521	358	1,309	364	1,348	6,534					
26	EB	180	Ramp	6.0%	6.3%	5.6%	5.5%	6.9%	30	2	1	2	14	3	1	2	21	1	1	2	21	1	1	2	21	1	2	21	1	2	21	1	2	21				
27	EB	180	Mainline	6.0%	6.3%	5.6%	5.5%	6.9%	301	1,066	263	1,024	5,077	325	1,175	299	1,160	5,844	318	1,092	299	1,174	5,713	362	1,308	355	1,348	6,500	358	1,307	353	1,346	6,489					
28	EB	180	Ramp	6.0%	6.3%	5.6%	5.5%	6.9%	29	106	29	106	342	29	106	29	106	342	29	106	29	106	342	29	106	29	106	342	29	106	29	106	342	29	106	342		
29	EB	180	Mainline	6.0%	6.3%	5.4%	5.7%	7.1%	319	1,114	288	1,187	5,934	352	1,279	327	1,362	6,842	357	1,227	336	1,373	6,862	394	1,411	387	1,556	7,036	389	1,406	386	1,557	7,001					
30	EB	180	Ramp	6.0%	6.3%	5.4%	5.7%	7.0%	18	64	23	97	324	34	91	26	120	483	21	80	24	112	465	24	91	27	126	518	24	82	28	116	371					
31	EB	180	Mainline	6.0%	6.3%	5.4%	5.7%	7.0%	6,802	22,600	2,600	10,000	50,000	3,000	10,000	2,600	10,000	50,000	3,000	10,000	2,600	10,000	50,000	3,000	10,000	2,600	10,000	50,000	3,000	10,000	2,600	10,000	50,000					
32	EB	180	Ramp	20.0%	19.3%	4.0%	5.3%	13.3%	399	1,647	40	174	1,338	214	888	60	278	2,594	224	895	57	270	2,527	220	888	57	270	2,540	104	397	48	209	1,596					
33	EB	180	Mainline	7.2%	7.7%	5.2%	5.7%	7.7%	399	1,417	305	1,384	6,411	474	1,791	365	1,525	8,000	486	1,745	372	1,535	7,982	524	1,942	418	1,703	8,532	479	1,761	405	1,649	8,108					
34	EB	180	Ramp	7.2%	7.7%	5.2%	5.7%	7.7%	154	611	121	561	2,795	154	611	121	561	2,795	154	611	121	561	2,795	154	611	121	561	2,795	154	611	121	561	2,795					
35	EB	180	Mainline	7.2%	7.6%	5.2%	5.7%	7.7%	273	948	185	702	4,015	321	1,110	214	820	4,789	311	1,125	239	866	4,774	351	1,248	242	894	5,028	329	1,178	245	901	4,997					
36	EB	180	Ramp	6.0%	6.3%	5.0%	5.4%	7.0%	109	316	91	313	1,305	107	307	88	320	417	105	304	88	320	417	105	304	88	320	417	105	304	88	320	417					
37	EB	180	Mainline	6.8%	7.3%	5.1%	5.6%	7.5%	373	1,259	277	1,035	5,310	427	1,477	337	1,261	6,473	446	1,505	360	1,307	6,853	477	1,641	364	1,317	6,633	471	1,659	380	1,398	6,885					
38	EB	180	Ramp	6.8%	7.3%	5.1%	5.6%	7.5%	57	210	46	180	869	88	279	67	254	1,125	94	292	67	257	1,103	95	292	70	264	1,125	102	350	75	299	1,448					
39	EB	180	Mainline	6.8%	7.3%	5.1%	5.6%	7.5%	10	39	6	43	198	38	144	298	114																					



ID		Direction		Heavy Vehicle Demand Volume		2049 All 6 (Add Transit) Truck Volume				2049 All 7 (Convert HDV) Truck Volume				2049 All 8 (Add HDV Med) Truck Volume				2049 All 9 (Add HDV as Ext) Truck Volume																	
						AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily	AM	PM	PM	PP	Daily										
106	WB	US 50	Ramp	16th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	887	2,660	398	1,547	10,380	838	3,288	485	1,901	12,644	816	3,205	494	1,856	12,527	843	3,290	495	1,920	12,722	833	3,277	496	1,899	12,722	
107	WB	US 50	Mainline	16th St Off to 10th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	105	325	41	151	937	105	346	56	202	1,201	103	340	62	185	1,166	104	344	54	185	1,030	102	335	55	187	1,069	
108	WB	US 50	Ramp	10th St Off	8.0%	8.5%	5.0%	5.0%	7.8%	582	2,135	357	1,060	8,480	577	2,096	371	1,080	8,484	565	2,091	369	1,060	8,480	561	2,079	368	1,065	8,479	561	2,071	365	1,061	8,479	
109	WB	US 50	Mainline	10th St Off to 15th St On	8.0%	8.5%	5.0%	5.0%	7.8%	687	2,460	398	1,547	10,380	838	3,288	485	1,901	12,644	816	3,205	494	1,856	12,527	843	3,290	495	1,920	12,722	833	3,277	496	1,899	12,722	
110	WB	US 50	Ramp	15th St On	2.0%	2.7%	2.0%	2.2%	3.5%	14	61	17	70	409	16	62	17	70	413	15	62	17	70	413	15	62	17	70	413	15	62	17	70	413	
111	WB	US 50	Mainline	15th St On to I-5	7.5%	8.1%	4.7%	4.7%	7.4%	288	2,482	374	1,466	9,808	747	2,461	424	1,750	11,729	724	2,468	424	1,750	11,729	729	2,469	424	1,750	11,729	729	2,469	424	1,750	11,729	
112	WB	US 50	Ramp	I-5 Off	7.5%	8.1%	4.7%	4.7%	7.4%	253	2,007	370	1,466	9,808	257	2,096	371	1,466	9,808	256	2,091	369	1,466	9,808	251	2,079	368	1,465	9,799	251	2,071	365	1,465	9,799	
113	WB	US 50	Ramp	I-5 NB Off	7.5%	8.0%	4.7%	4.7%	7.4%	200	789	85	350	2,857	213	875	85	345	3,126	213	869	83	339	3,234	208	856	80	328	3,129	208	856	80	328	3,124	
114	WB	US 50	Ramp	I-5 NB Off	7.5%	8.1%	4.7%	4.7%	7.4%	53	218	85	315	4,000	53	222	85	315	4,248	53	221	85	311	4,406	58	230	85	330	1,510	58	236	85	332	1,524	
115	WB	US 50	Mainline	I-5 Off to 5th St On	7.5%	8.1%	4.7%	4.7%	7.4%	346	1,866	451	1,011	5,607	480	1,816	473	1,073	6,173	458	1,868	476	1,067	6,063	461	1,868	476	1,067	6,063	461	1,868	476	1,067	6,063	
116	WB	US 50	Ramp	5th St On	2.0%	2.7%	2.0%	2.2%	3.5%	5	9	32	129	5	22	9	32	137	5	22	9	32	137	5	22	9	32	137	5	22	9	32	137		
117	WB	US 50	Mainline	5th St On to I-5 On	7.2%	7.8%	4.4%	4.5%	7.2%	351	1,419	213	893	5,883	351	1,488	276	1,093	7,139	351	1,488	281	1,087	7,070	348	1,484	281	1,087	7,000	348	1,484	281	1,087	7,000	
118	WB	US 50	Ramp	I-5 NB On	7.0%	7.8%	5.0%	5.0%	7.7%	17	87	24	87	17	15	24	87	17	15	24	87	15	24	87	15	24	87	15	24	87	15	24	87	15	24
119	WB	US 50	Ramp	I-5 NB On	7.0%	7.8%	5.0%	5.0%	7.6%	84	396	30	86	1,183	104	503	45	154	1,598	106	508	48	157	1,588	108	512	52	170	1,642	104	511	151	1,648	1,044	
120	WB	US 50	Ramp	I-5 NB On	7.0%	7.8%	5.0%	5.0%	7.7%	104	485	54	1,183	1,047	122	566	69	240	2,087	127	602	68	240	2,084	127	602	68	240	2,084	127	602	68	240	2,084	
121	WB	US 50	Mainline	I-5 NB Jefferson Blvd	4.5%	4.9%	4.0%	4.0%	7.8%	606	2,477	346	1,006	7,946	606	2,477	346	1,006	7,946	606	2,477	346	1,006	7,946	606	2,477	346	1,006	7,946	606	2,477	346	1,006	7,946	
122	WB	US 50	Ramp	Jefferson Blvd/Delta Ln Off	7.2%	8.0%	4.5%	4.0%	7.3%	109	411	100	370	1,893	204	790	147	576	3,173	196	715	144	566	3,300	193	735	148	576	3,270	192	738	148	581	3,322	
123	WB	US 50	Ramp	Delta Ln Off	7.2%	7.9%	4.5%	4.0%	7.3%	49	158	33	114	995	49	158	33	114	995	49	158	33	114	995	49	158	33	114	995	49	158	33	114	995	
124	WB	US 50	Ramp	Jefferson Blvd Off	7.2%	8.0%	4.5%	4.0%	7.3%	141	513	223	556	1,798	208	811	85	343	1,818	209	805	799	1,777	1,817	207	805	799	1,777	207	805	799	1,777	207	805	
125	WB	US 50	Mainline	Jefferson Blvd Off to On	7.2%	7.9%	4.5%	4.0%	7.3%	346	1,486	166	636	5,448	402	1,689	197	758	5,840	391	1,674	208	765	5,855	440	1,789	231	854	6,278	431	1,788	222	824	6,183	
126	WB	US 50	Ramp	Jefferson Blvd On	2.0%	2.7%	2.0%	2.2%	3.5%	5	25	6	24	100	6	30	9	32	180	6	31	10	34	188	6	31	10	34	188	6	31	10	34	188	
127	WB	US 50	Ramp	Tower Bridge Gateway On	2.0%	2.7%	2.0%	2.1%	3.5%	1	16	12	36	101	15	40	18	53	132	11	49	18	53	132	11	49	18	53	132	11	49	18	53	132	
128	WB	US 50	Ramp	TB/Jefferson Blvd Off	2.0%	2.7%	2.0%	2.1%	3.5%	8	41	18	60	231	17	78	27	85	420	17	79	27	89	406	15	77	30	97	399	17	84	30	99	410	
129	WB	US 50	Mainline	Jefferson Blvd to Harbor Blvd	6.8%	7.5%	3.8%	4.1%	6.8%	353	1,524	176	683	5,233	356	1,617	220	840	6,256	427	1,807	229	854	6,242	465	1,990	254	949	6,623	464	1,988	247	925	6,555	
130	WB	US 50	Ramp	Harbor Blvd Off	6.8%	7.5%	3.8%	4.1%	6.8%	115	446	54	198	5,415	142	521	73	243	5,123	126	487	66	242	5,137	147	515	70	247	1,950	142	519	270	1,618		
131	WB	US 50	Mainline	Harbor Blvd Off to NB On	12.8%	12.9%	3.8%	4.1%	6.9%	238	1,078	121	485	4,169	254	1,296	147	596	4,802	302	1,325	163	612	4,775	319	1,375	184	702	5,147	322	1,409	175	675	5,009	
132	WB	US 50	Ramp	Harbor Blvd NB On	6.8%	7.5%	3.8%	4.1%	6.9%	64	192	46	157	631	96	282	58	204	816	89	273	63	225	828	95	297	62	219	822	103	365	88	243	1,236	
133	WB	US 50	Mainline	Harbor Blvd NB On to SB On	7.5%	8.0%	4.5%	4.7%	7.4%	302	2,274	165	639	8,860	384	3,068	202	791	5,654	388	3,088	223	820	5,633	410	3,067	247	918	6,048	418	3,136	239	905	6,315	
134	WB	US 50	Ramp	Harbor Blvd SB On	12.0%	12.8%	10.0%	9.4%	12.2%	25	99	25	87	348	25	106	51	138	537	26	109	52	144	537	28	106	51	141	537	28	106	51	141	537	
135	WB	US 50	Mainline	Harbor Blvd 80	7.7%	8.3%	4.8%	5.0%	7.7%	327	1,574	190	724	5,340	412	1,677	241	913	6,222	416	1,704	265	946	6,199	440	1,763	289	1,050	6,630	457	1,873	286	1,041	6,793	
136	WB	US 50	Ramp	I-80 Off	7.7%	8.3%	4.8%	5.0%	7.7%	129	432	81	283	1,460	129	432	81	283	1,460	129	432	81	283	1,460	129	432	81	283	1,460	129	432	81	283	1,460	
137	WB	US 50	Mainline	I-80 Off to On	7.7%	8.3%	4.8%	5.0%	7.7%	219	1,004	106	441	3,854	283	1,254	142	567	4,581	295	1,296	159	597	4,551	317	1,357	177	674	4,951	312	1,386	163	623	4,959	
138	WB	US 50	Ramp	I-80 On	6.9%	7.7%	6.2%	6.1%	7.9%	187	777	141	489	3,200	233	1,014	186	633	4,076	212	939	176	601	3,966	247	1,107	197	690	4,306	241	1,043	176	626	3,959	
206	WB	I-80	Ramp	I-80 HDV On	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
139	WB	I-80	Mainline	I-80 to W Capitol Ave	7.3%	8.0%	5.5%	5.5%	7.8%	45	1,780	245	925	7,093	515	2,288	326	1,195	8,626	504	2,231	336	1,198	8,525	563	2,465	375	1,363	9,267	551	2,426	340	1,250	8,861	
140	WB	I-80	Ramp	W Capitol Ave Off	7.3%	8.0%	5.5%	5.5%	7.8%	67	244	22	93	804	101	368	54	200	1,451	95	333	56	210	1,443	94	333	56	207	1,427	79	279	26	107	964	
141	WB	I-80	Mainline	W Capitol Ave Off to EB On	7.3%	8.0%	5.5%	5.5%	7.8%	388	1,406	539	1,806	7,246	414	1,900	223	994	7,216	429	1,878	268	998	7,200											

Managed Lane Demand Volume				Type	2019 Existing Percentage				2019 Existing Volume				2049 Alt 1 (No Build) %				2049 Alt 1 (No Build) Volume				
ID	Direction	Route	Description		AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd																		
302	EB	I-80	Mace Blvd to Chiles Rd																		
303	EB	I-80	Chiles Rd to Enterprise Blvd																		
304	EB	I-80	Enterprise Blvd to US 50																		
305	EB	US 50	I-80 to Harbor Blvd																		
306	EB	US 50	Harbor Blvd to Jefferson Blvd																		
307	EB	US 50	S River Rd to I-5																		
308	EB	US 50	I-5 to 15th St	HOV								HOV	22%	23%	25%	26%	710	2,660	840	2,730	
309	EB	US 50	16th St to SR 51/SR 99	HOV								HOV	29%	30%	29%	29%	1,550	5,940	1,320	4,640	
310	EB	I-80	US 50 to Reed Ave																		
311	EB	I-80	Reed Ave to W El Camino Ave																		
312	EB	I-80	W El Camino Ave to I-5	HOV	19%	19%	25%	26%	406	1,359	706	2,921	HOV	31%	34%	32%	32%	520	2,740	980	3,890
313	EB	I-80	I-5 to Truxel Rd	HOV	19%	19%	25%	26%	446	1,403	753	2,819	HOV	27%	28%	29%	28%	1,390	5,410	1,980	7,050
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	19%	19%	25%	26%	918	2,784	1,451	5,494	HOV	26%	26%	27%	27%	1,090	4,240	1,630	5,960
315	WB	US 50	SR 51 to 16th St										HOV	31%	31%	31%	31%	1,570	6,230	1,530	6,200
316	WB	US 50	15th St to I-5																		
317	WB	US 50	I-5 to Jefferson Blvd																		
318	WB	US 50	Jefferson Blvd to Harbor Blvd																		
319	WB	US 50	Harbor Blvd to I-80																		
320	WB	I-80	US 50 to W Capitol Ave																		
321	WB	I-80	W Capitol Ave to County Rd 32A																		
322	WB	I-80	County Rd 32A to Mace Blvd																		
323	WB	I-80	Mace Blvd to Richards Blvd																		
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	25%	25%	25%	26%	1,539	5,350	1,167	4,523	HOV	28%	29%	28%	29%	1,840	6,680	1,370	5,380
325	WB	I-80	Truxel Rd to I-5	HOV	25%	25%	25%	26%	804	2,867	520	1,857	HOV	27%	28%	28%	28%	1,940	6,960	1,500	5,450
326	WB	I-80	I-5 to W El Camino Ave	HOV	25%	25%	25%	26%	918	3,263	731	2,607	HOV	28%	28%	29%	29%	1,170	4,320	1,090	3,790
327	WB	I-80	W El Camino Ave to Reed Ave																		
328	WB	I-80	Reed Ave to US 50																		

Managed Lane Demand Volume				2049 Alt 2 (Add HOV) %				2049 Alt 2 (Add HOV) Volume				2049 Alt 3 (Add HOT) %				2049 Alt 3 (Add HOT) Volume					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd	HOV	22%	26%	29%	30%	940	3,840	1,220	5,140	HOT	29%	31%	27%	29%	1,290	4,630	1,140	5,040
302	EB	I-80	Mace Blvd to Chiles Rd	HOV	25%	28%	31%	32%	1,370	5,240	1,750	7,100	HOT	31%	32%	31%	32%	1,790	6,050	1,740	7,100
303	EB	I-80	Chiles Rd to Enterprise Blvd	HOV	23%	27%	29%	31%	1,450	5,500	1,920	7,550	HOT	30%	31%	31%	31%	1,920	6,430	2,040	7,850
304	EB	I-80	Enterprise Blvd to US 50	HOV	21%	24%	26%	27%	800	2,770	850	2,920	HOT	27%	28%	27%	28%	1,070	3,270	890	3,020
305	EB	US 50	I-80 to Harbor Blvd	HOV	19%	21%	25%	26%	680	2,580	830	2,880	HOT	19%	21%	25%	26%	710	2,630	840	2,930
306	EB	US 50	Harbor Blvd to Jefferson Blvd	HOV	22%	23%	25%	26%	880	3,230	1,030	3,600	HOT	21%	23%	25%	26%	860	3,140	1,050	3,670
307	EB	US 50	S River Rd to I-5	HOV	27%	27%	27%	27%	1,060	3,640	1,070	3,190	HOT	27%	27%	27%	27%	1,040	3,560	1,070	3,230
308	EB	US 50	I-5 to 15th St	HOV	22%	23%	25%	26%	710	2,800	840	2,690	HOV	23%	23%	25%	26%	750	2,770	870	2,800
309	EB	US 50	16th St to SR 51/SR 99	HOV	28%	29%	28%	29%	1,400	5,610	1,210	4,240	HOV	28%	30%	27%	28%	1,440	5,760	1,260	4,340
310	EB	I-80	US 50 to Reed Ave	HOV	35%	35%	33%	34%	490	2,100	900	3,960	HOT	34%	35%	31%	31%	480	2,120	850	3,800
311	EB	I-80	Reed Ave to W El Camino Ave	HOV	29%	29%	30%	30%	610	2,430	1,010	4,020	HOT	29%	29%	30%	30%	620	2,420	1,020	4,140
312	EB	I-80	W El Camino Ave to I-5	HOV	32%	32%	32%	32%	550	2,430	990	4,000	HOV	33%	32%	31%	31%	570	2,440	1,000	4,010
313	EB	I-80	I-5 to Truxel Rd	HOV	27%	28%	29%	28%	1,380	5,110	1,920	6,970	HOV	28%	28%	28%	28%	1,410	5,080	1,900	6,920
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	26%	27%	27%	27%	1,070	3,990	1,620	5,890	HOV	26%	26%	27%	28%	1,080	3,900	1,610	5,850
315	WB	US 50	SR 51 to 16th St	HOV	31%	31%	31%	31%	1,570	6,030	1,570	6,220	HOV	31%	31%	31%	31%	1,520	5,920	1,560	6,410
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	1,190	4,550	1,130	4,390	HOV	25%	25%	25%	26%	1,210	4,580	1,070	4,510
317	WB	US 50	I-5 to Jefferson Blvd	HOV	25%	25%	25%	26%	1,070	3,880	900	3,490	HOT	25%	25%	25%	26%	1,080	3,960	890	3,620
318	WB	US 50	Jefferson Blvd to Harbor Blvd	HOV	25%	25%	26%	26%	980	4,000	860	3,310	HOT	25%	25%	25%	26%	990	4,030	820	3,350
319	WB	US 50	Harbor Blvd to I-80	HOV	25%	25%	26%	27%	770	3,430	640	2,540	HOT	25%	25%	25%	27%	770	3,430	620	2,640
320	WB	I-80	US 50 to W Capitol Ave	HOV	25%	25%	28%	29%	690	3,110	760	2,820	HOT	27%	26%	30%	29%	750	3,230	790	3,020
321	WB	I-80	W Capitol Ave to County Rd 32A	HOV	25%	26%	30%	31%	1,790	7,520	1,780	6,600	HOT	30%	29%	31%	32%	2,200	8,450	1,850	6,890
322	WB	I-80	County Rd 32A to Mace Blvd	HOV	26%	27%	32%	33%	1,570	6,760	1,370	4,950	HOT	27%	27%	31%	32%	1,630	6,780	1,350	5,050
323	WB	I-80	Mace Blvd to Richards Blvd	HOV	26%	27%	31%	32%	1,300	5,470	1,150	4,090	HOT	25%	26%	30%	31%	1,290	5,310	1,110	4,150
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	28%	29%	28%	29%	1,820	6,610	1,330	5,280	HOV	29%	30%	28%	29%	1,840	6,750	1,310	5,240
325	WB	I-80	Truxel Rd to I-5	HOV	27%	28%	28%	28%	1,910	6,850	1,420	5,310	HOV	26%	28%	27%	28%	1,830	6,610	1,410	5,250
326	WB	I-80	I-5 to W El Camino Ave	HOV	28%	29%	30%	30%	1,250	4,690	1,100	3,890	HOV	27%	28%	29%	29%	1,160	4,420	1,060	3,770
327	WB	I-80	W El Camino Ave to Reed Ave	HOV	30%	30%	30%	30%	1,360	4,850	1,100	3,920	HOT	30%	30%	30%	30%	1,320	4,740	1,090	3,890
328	WB	I-80	Reed Ave to US 50	HOV	32%	34%	34%	34%	1,110	4,430	740	2,780	HOT	30%	32%	32%	33%	1,050	4,180	680	2,680

Managed Lane Demand Volume				2049 Alt 4 (Add HOT3) %				2049 Alt 4 (Add HOT3) Volume				2049 Alt 5 (Add Toll) %				2049 Alt 5 (Add Toll) Volume					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd	HOT	25%	25%	18%	19%	1,090	3,710	710	3,070	Toll	25%	24%	14%	14%	1,070	3,620	510	2,170
302	EB	I-80	Mace Blvd to Chiles Rd	HOT	28%	28%	27%	27%	1,560	5,290	1,490	5,900	Toll	27%	27%	27%	26%	1,550	5,110	1,340	5,600
303	EB	I-80	Chiles Rd to Enterprise Blvd	HOT	26%	26%	27%	27%	1,650	5,440	1,760	6,570	Toll	26%	26%	27%	27%	1,640	5,330	1,610	6,450
304	EB	I-80	Enterprise Blvd to US 50	HOT	23%	23%	24%	24%	900	2,700	800	2,590	Toll	23%	22%	23%	23%	900	2,630	690	2,610
305	EB	US 50	I-80 to Harbor Blvd	HOT	14%	18%	9%	10%	520	2,180	310	1,160	Toll	19%	18%	5%	5%	690	2,220	160	590
306	EB	US 50	Harbor Blvd to Jefferson Blvd	HOT	15%	19%	9%	10%	590	2,520	370	1,320	Toll	21%	19%	5%	5%	780	2,480	190	710
307	EB	US 50	S River Rd to I-5	HOT	23%	22%	23%	23%	860	2,860	920	2,540	Toll	22%	21%	22%	22%	750	2,610	730	2,510
308	EB	US 50	I-5 to 15th St	HOV	23%	23%	25%	26%	740	2,720	800	2,520	HOV	23%	23%	25%	26%	650	2,620	680	2,480
309	EB	US 50	16th St to SR 51/SR 99	HOV	28%	29%	27%	28%	1,360	5,370	1,110	4,000	HOV	28%	29%	28%	28%	1,270	5,280	1,030	3,820
310	EB	I-80	US 50 to Reed Ave	HOT	34%	35%	31%	32%	480	2,100	760	3,430	Toll	34%	35%	31%	32%	490	2,120	760	3,370
311	EB	I-80	Reed Ave to W El Camino Ave	HOT	29%	30%	30%	30%	600	2,430	880	3,600	Toll	29%	29%	30%	30%	610	2,370	820	3,380
312	EB	I-80	W El Camino Ave to I-5	HOV	32%	31%	31%	31%	550	2,320	860	3,610	HOV	32%	32%	31%	31%	540	2,290	810	3,400
313	EB	I-80	I-5 to Truxel Rd	HOV	27%	28%	28%	28%	1,380	4,930	1,810	6,590	HOV	27%	27%	29%	29%	1,350	4,770	1,760	6,410
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	26%	26%	27%	27%	1,070	3,800	1,540	5,600	HOV	26%	26%	27%	28%	1,050	3,740	1,490	5,430
315	WB	US 50	SR 51 to 16th St	HOV	31%	31%	31%	31%	1,470	5,720	1,400	5,640	HOV	31%	31%	31%	31%	1,450	5,600	1,320	5,400
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	1,170	4,470	910	3,950	HOV	25%	25%	25%	26%	1,180	4,360	900	3,750
317	WB	US 50	I-5 to Jefferson Blvd	HOT	20%	22%	21%	21%	860	3,360	660	2,650	Toll	21%	21%	20%	20%	870	3,200	580	2,260
318	WB	US 50	Jefferson Blvd to Harbor Blvd	HOT	17%	21%	15%	16%	650	3,360	440	1,840	Toll	16%	20%	11%	12%	630	3,130	310	1,280
319	WB	US 50	Harbor Blvd to I-80	HOT	11%	18%	10%	11%	330	2,460	220	950	Toll	8%	17%	5%	5%	240	2,280	100	420
320	WB	I-80	US 50 to W Capitol Ave	HOT	22%	22%	25%	25%	610	2,760	610	2,290	Toll	21%	22%	25%	24%	580	2,670	580	2,190
321	WB	I-80	W Capitol Ave to County Rd 32A	HOT	26%	25%	27%	27%	1,800	7,050	1,490	5,230	Toll	25%	25%	26%	26%	1,720	6,990	1,410	5,360
322	WB	I-80	County Rd 32A to Mace Blvd	HOT	21%	25%	25%	24%	1,280	5,990	1,020	3,400	Toll	24%	26%	23%	22%	1,390	6,190	900	3,340
323	WB	I-80	Mace Blvd to Richards Blvd	HOT	15%	21%	13%	14%	740	4,150	450	1,640	Toll	13%	20%	5%	5%	660	3,970	170	670
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	28%	29%	28%	29%	1,790	6,400	1,250	4,920	HOV	28%	28%	28%	29%	1,780	6,290	1,180	4,650
325	WB	I-80	Truxel Rd to I-5	HOV	26%	28%	27%	28%	1,830	6,550	1,360	4,970	HOV	26%	28%	27%	28%	1,810	6,490	1,290	4,730
326	WB	I-80	I-5 to W El Camino Ave	HOV	28%	28%	29%	29%	1,210	4,410	1,040	3,600	HOV	28%	28%	30%	29%	1,180	4,390	1,030	3,670
327	WB	I-80	W El Camino Ave to Reed Ave	HOT	30%	30%	30%	30%	1,290	4,630	1,070	3,660	Toll	30%	30%	30%	30%	1,290	4,610	1,040	3,880
328	WB	I-80	Reed Ave to US 50	HOT	31%	32%	32%	33%	1,080	4,280	680	2,410	Toll	31%	32%	32%	33%	1,070	4,280	670	2,780

Managed Lane Demand Volume				2049 Alt 6 (Add Transit) %				2049 Alt 6 (Add Transit) Volume				2049 Alt 7 (Convert HOV) %				2049 Alt 7 (Convert HOV) Volume					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd										HOV	29%	31%	35%	35%	1,080	3,880	1,220	5,220
302	EB	I-80	Mace Blvd to Chiles Rd										HOV	33%	34%	35%	35%	1,610	5,490	1,650	6,840
303	EB	I-80	Chiles Rd to Enterprise Blvd										HOV	29%	31%	35%	35%	1,650	5,650	2,010	7,710
304	EB	I-80	Enterprise Blvd to US 50										HOV	26%	27%	31%	32%	900	2,750	990	3,270
305	EB	US 50	I-80 to Harbor Blvd										HOV	23%	25%	28%	29%	730	2,650	910	3,080
306	EB	US 50	Harbor Blvd to Jefferson Blvd										HOV	24%	25%	27%	27%	820	2,920	1,040	3,480
307	EB	US 50	S River Rd to I-5										HOV	31%	31%	31%	32%	1,130	3,550	1,140	3,580
308	EB	US 50	I-5 to 15th St	HOV	22%	23%	25%	26%	660	2,600	790	2,620	HOV	23%	24%	25%	26%	720	2,510	810	2,720
309	EB	US 50	16th St to SR 51/SR 99	HOV	29%	30%	28%	29%	1,430	5,670	1,240	4,400	HOV	29%	30%	28%	29%	1,410	5,530	1,260	4,450
310	EB	I-80	US 50 to Reed Ave										HOV	35%	35%	35%	35%	410	1,800	700	3,370
311	EB	I-80	Reed Ave to W El Camino Ave										HOV	35%	35%	35%	35%	680	2,640	940	3,980
312	EB	I-80	W El Camino Ave to I-5	HOV	32%	32%	32%	32%	480	2,370	900	3,710	HOV	32%	33%	32%	32%	510	2,280	850	3,590
313	EB	I-80	I-5 to Truxel Rd	HOV	27%	27%	29%	29%	1,350	5,050	1,890	6,910	HOV	27%	28%	29%	28%	1,350	5,070	1,880	6,760
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	26%	27%	27%	27%	1,070	4,010	1,590	5,810	HOV	26%	27%	27%	28%	1,060	3,990	1,600	5,800
315	WB	US 50	SR 51 to 16th St	HOV	31%	31%	31%	31%	1,530	5,920	1,520	6,020	HOV	31%	32%	31%	31%	1,490	6,000	1,470	5,920
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	1,170	4,400	970	4,010	HOV	25%	25%	25%	26%	1,110	4,290	1,000	3,990
317	WB	US 50	I-5 to Jefferson Blvd										HOV	25%	25%	28%	29%	910	3,480	880	3,360
318	WB	US 50	Jefferson Blvd to Harbor Blvd										HOV	25%	25%	29%	29%	900	3,690	830	3,110
319	WB	US 50	Harbor Blvd to I-80										HOV	26%	27%	30%	31%	750	3,490	610	2,410
320	WB	I-80	US 50 to W Capitol Ave										HOV	27%	28%	33%	34%	670	3,120	750	2,720
321	WB	I-80	W Capitol Ave to County Rd 32A										HOV	31%	32%	35%	35%	1,850	7,750	1,690	6,090
322	WB	I-80	County Rd 32A to Mace Blvd										HOV	35%	35%	35%	35%	1,810	7,480	1,250	4,510
323	WB	I-80	Mace Blvd to Richards Blvd										HOV	33%	33%	35%	35%	1,460	5,950	1,100	3,890
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	28%	28%	28%	29%	1,810	6,450	1,310	5,220	HOV	29%	29%	29%	30%	1,820	6,450	1,330	5,210
325	WB	I-80	Truxel Rd to I-5	HOV	27%	28%	28%	28%	1,850	6,670	1,420	5,230	HOV	28%	28%	28%	28%	1,870	6,590	1,430	5,240
326	WB	I-80	I-5 to W El Camino Ave	HOV	28%	29%	28%	28%	1,140	4,440	1,010	3,540	HOV	30%	30%	31%	32%	1,180	4,380	1,090	3,850
327	WB	I-80	W El Camino Ave to Reed Ave										HOV	35%	35%	35%	35%	1,300	4,750	1,190	4,070
328	WB	I-80	Reed Ave to US 50										HOV	35%	35%	35%	35%	980	3,890	670	2,390

Managed Lane Demand Volume				2049 Alt 8 (Add HOV Med) %				2049 Alt 8 (Add HOV Med) Volume				2049 Alt 9 (Add HOV no Ent) %				2049 Alt 9 (Add HOV no Ent) Vol					
ID	Direction	Route	Description	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP	Type	AM PH	AM PP	PM PH	PM PP	AM PH	AM PP	PM PH	PM PP
301	EB	I-80	Richards Blvd to Mace Blvd	HOV	22%	26%	29%	30%	930	3,820	1,220	5,130	HOV	22%	26%	29%	30%	920	3,850	1,210	5,130
302	EB	I-80	Mace Blvd to Chiles Rd	HOV	25%	28%	32%	32%	1,380	5,220	1,770	7,110	HOV	25%	28%	31%	32%	1,340	5,210	1,760	7,090
303	EB	I-80	Chiles Rd to Enterprise Blvd	HOV	23%	26%	29%	31%	1,440	5,480	1,950	7,630	HOV	23%	26%	29%	30%	1,420	5,530	1,940	7,670
304	EB	I-80	Enterprise Blvd to US 50	HOV	21%	24%	26%	27%	880	3,200	1,040	3,820	HOV	23%	26%	27%	28%	940	3,460	950	3,370
305	EB	US 50	I-80 to Harbor Blvd	HOV	19%	21%	25%	26%	660	2,570	820	2,880	HOV	19%	21%	25%	26%	590	2,180	820	2,750
306	EB	US 50	Harbor Blvd to Jefferson Blvd	HOV	24%	24%	25%	26%	910	3,350	1,030	3,640	HOV	23%	23%	25%	26%	840	3,050	1,060	3,660
307	EB	US 50	S River Rd to I-5	HOV	27%	27%	27%	27%	1,010	3,690	1,080	3,260	HOV	27%	26%	27%	27%	960	3,550	1,100	3,260
308	EB	US 50	I-5 to 15th St	HOV	23%	24%	25%	26%	700	2,850	860	2,760	HOV	23%	24%	25%	26%	700	2,840	870	2,750
309	EB	US 50	16th St to SR 51/SR 99	HOV	29%	24%	28%	29%	1,380	5,680	1,240	4,430	HOV	29%	30%	28%	29%	1,380	5,680	1,260	4,570
310	EB	I-80	US 50 to Reed Ave	HOV	23%	26%	27%	29%	640	2,930	1,300	5,890	HOV	35%	35%	33%	34%	400	1,640	840	3,740
311	EB	I-80	Reed Ave to W El Camino Ave	HOV	23%	26%	26%	28%	500	2,130	910	3,880	HOV	29%	30%	30%	30%	620	2,360	1,020	4,040
312	EB	I-80	W El Camino Ave to I-5	HOV	33%	33%	32%	33%	570	2,500	990	4,110	HOV	33%	32%	32%	32%	580	2,340	970	4,020
313	EB	I-80	I-5 to Truxel Rd	HOV	29%	30%	29%	29%	1,450	5,450	1,930	7,080	HOV	27%	28%	29%	29%	1,380	5,070	1,910	7,030
314	EB	I-80	Truxel Rd to Northgate Blvd	HOV	27%	27%	27%	28%	1,100	4,040	1,610	5,900	HOV	26%	27%	27%	28%	1,070	3,960	1,600	5,890
315	WB	US 50	SR 51 to 16th St	HOV	31%	31%	31%	31%	1,540	5,760	1,560	6,190	HOV	31%	31%	31%	31%	1,520	6,110	1,550	6,100
316	WB	US 50	15th St to I-5	HOV	25%	25%	25%	26%	1,210	4,370	1,060	4,320	HOV	25%	25%	25%	26%	1,190	4,490	1,050	4,230
317	WB	US 50	I-5 to Jefferson Blvd	HOV	25%	25%	25%	26%	1,080	3,760	900	3,490	HOV	25%	25%	25%	26%	1,060	3,830	850	3,340
318	WB	US 50	Jefferson Blvd to Harbor Blvd	HOV	25%	25%	26%	27%	990	3,880	860	3,340	HOV	25%	25%	25%	26%	980	3,930	770	3,070
319	WB	US 50	Harbor Blvd to I-80	HOV	25%	25%	25%	26%	770	3,320	620	2,520	HOV	25%	25%	25%	26%	720	3,220	500	2,110
320	WB	I-80	US 50 to W Capitol Ave	HOV	25%	25%	28%	29%	860	3,700	950	3,620	HOV	25%	25%	30%	31%	740	3,320	870	3,230
321	WB	I-80	W Capitol Ave to County Rd 32A	HOV	25%	26%	30%	31%	1,780	7,420	1,770	6,580	HOV	25%	26%	30%	31%	1,790	7,440	1,760	6,580
322	WB	I-80	County Rd 32A to Mace Blvd	HOV	26%	27%	32%	33%	1,560	6,640	1,360	4,940	HOV	26%	27%	32%	33%	1,560	6,680	1,360	4,980
323	WB	I-80	Mace Blvd to Richards Blvd	HOV	25%	27%	32%	32%	1,280	5,380	1,160	4,130	HOV	25%	27%	31%	32%	1,280	5,380	1,130	4,120
324	WB	I-80	Northgate Blvd to Truxel Rd	HOV	28%	29%	28%	29%	1,850	6,550	1,320	5,240	HOV	28%	29%	28%	29%	1,830	6,600	1,330	5,250
325	WB	I-80	Truxel Rd to I-5	HOV	28%	29%	28%	29%	1,910	6,880	1,470	5,400	HOV	28%	28%	28%	28%	1,920	6,810	1,440	5,270
326	WB	I-80	I-5 to W El Camino Ave	HOV	29%	30%	31%	32%	1,280	4,840	1,170	4,090	HOV	28%	29%	31%	30%	1,260	4,630	1,140	3,900
327	WB	I-80	W El Camino Ave to Reed Ave	HOV	25%	26%	29%	30%	1,220	4,510	1,250	4,540	HOV	30%	31%	30%	30%	1,370	4,910	1,100	3,870
328	WB	I-80	Reed Ave to US 50	HOV	26%	26%	28%	30%	1,330	5,530	1,170	4,400	HOV	32%	33%	34%	34%	1,040	4,150	630	2,400

2049 Daily Total Volume (AADT)			2019 Existing			Alt 1 (No Build)			Alt 2 (Add HOV)			Alt 3 (Add HOT)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	67,910	80,514	148,424	76,300	89,700	166,000	81,500	93,900	175,400	81,700	94,600	176,300
I-80	Richards Blvd to Mace Blvd	2.44	66,330	79,009	145,339	75,000	88,700	163,700	81,500	94,600	176,100	81,700	95,200	176,900
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	73,774	84,822	158,596	86,300	97,100	183,400	94,700	107,300	202,000	94,900	108,000	202,900
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	77,369	87,559	164,928	93,600	105,100	198,700	98,900	110,600	209,500	99,500	111,200	210,700
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	83,256	90,941	174,197	105,200	114,400	219,600	110,700	119,100	229,800	111,400	119,700	231,100
US 50	I-80 to Harbor Blvd	1.20	70,797	69,346	140,143	85,800	83,500	169,300	88,900	86,200	175,100	89,300	86,600	175,900
US 50	Harbor Blvd to Jefferson Blvd	1.29	76,405	81,224	157,629	91,500	94,800	186,300	96,000	97,400	193,400	96,100	97,600	193,700
US 50	Jefferson Blvd to I-5	1.01	97,458	100,554	198,012	120,600	129,100	249,700	124,900	130,600	255,500	125,300	131,000	256,300
I-80	US 50 to Reed Ave	1.63	50,401	59,537	109,938	65,000	76,100	141,100	67,200	78,000	145,200	67,400	78,100	145,500
I-80	Reed Ave to W El Camino Ave	1.85	55,639	67,891	123,530	75,300	88,100	163,400	76,200	89,100	165,300	76,400	89,200	165,600
I-80	Old Davis Rd to US 50	10.80	72,875	84,085	156,960	85,576	97,552	183,128	91,973	104,200	196,172	92,326	104,840	197,165
US 50	I-80 to I-5	3.50	80,528	82,698	163,226	97,904	100,775	198,679	101,866	103,093	204,959	102,155	103,419	205,574
I-80	US 50 to W El Camino Ave	3.48	53,184	63,976	117,160	70,473	82,476	152,949	71,982	83,898	155,880	72,182	83,998	156,180
Total		17.78	70,532	79,879	150,411	85,052	95,238	180,290	90,012	100,011	190,023	90,323	100,484	190,807

2049 Daily Truck Percentage			2019 Existing			Alt 1 (No Build)			Alt 2 (Add HOV)			Alt 3 (Add HOT)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%
I-80	Richards Blvd to Mace Blvd	2.44	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%
US 50	I-80 to Harbor Blvd	1.20	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%
US 50	Harbor Blvd to Jefferson Blvd	1.29	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%
US 50	Jefferson Blvd to I-5	1.01	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%
I-80	US 50 to Reed Ave	1.63	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%
I-80	Reed Ave to W El Camino Ave	1.85	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%
I-80	Old Davis Rd to US 50	10.80	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%
US 50	I-80 to I-5	3.50	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%
I-80	US 50 to W El Camino Ave	3.48	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%
Total		17.78	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%

2049 Daily Truck Volume (AADT)			2019 Existing			Alt 1 (No Build)			Alt 2 (Add HOV)			Alt 3 (Add HOT)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	5,019	6,290	11,309	5,639	7,008	12,648	6,023	7,336	13,364	6,038	7,390	13,433
I-80	Richards Blvd to Mace Blvd	2.44	4,663	6,712	11,375	5,272	7,535	12,811	5,729	8,036	13,782	5,743	8,087	13,845
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	4,390	7,837	12,228	5,136	8,972	14,140	5,636	9,914	15,574	5,647	9,979	15,643
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	4,606	8,073	12,679	5,573	9,690	15,276	5,888	10,197	16,106	5,924	10,253	16,198
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	6,000	6,636	12,636	7,581	8,348	15,929	7,978	8,691	16,669	8,028	8,734	16,763
US 50	I-80 to Harbor Blvd	1.20	4,840	5,348	10,188	5,866	6,440	12,308	6,078	6,648	12,730	6,105	6,679	12,788
US 50	Harbor Blvd to Jefferson Blvd	1.29	5,886	5,518	11,404	7,048	6,440	13,478	7,395	6,617	13,992	7,403	6,631	14,013
US 50	Jefferson Blvd to I-5	1.01	5,507	7,237	12,744	6,815	9,292	16,071	7,058	9,400	16,445	7,080	9,429	16,496
I-80	US 50 to Reed Ave	1.63	3,632	4,091	7,724	4,684	5,229	9,913	4,843	5,360	10,201	4,857	5,367	10,222
I-80	Reed Ave to W El Camino Ave	1.85	3,885	4,436	8,321	5,258	5,756	11,006	5,321	5,821	11,134	5,335	5,828	11,155
I-80	Old Davis Rd to US 50	10.80	4,689	7,401	12,090	5,506	8,587	14,106	5,917	9,172	15,110	5,940	9,228	15,187
US 50	I-80 to I-5	3.50	5,489	5,975	11,464	6,673	7,281	13,954	6,943	7,449	14,395	6,963	7,472	14,438
I-80	US 50 to W El Camino Ave	3.48	3,770	4,281	8,051	4,995	5,519	10,510	5,102	5,614	10,712	5,116	5,621	10,732
Total		17.78	4,681	6,453	11,135	5,645	7,694	13,346	5,974	8,080	14,067	5,995	8,118	14,125

2049 Daily Total Volume (AADT)			Alt 4 (Add HOT3)			Alt 5 (Add Toll)			Alt 6 (Add Transit)			Alt 7 (Convert HOV)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	80,600	93,400	174,000	80,100	92,800	172,900	76,000	88,900	164,900	75,000	87,700	162,700
I-80	Richards Blvd to Mace Blvd	2.44	80,000	93,600	173,600	78,900	92,700	171,600	74,500	87,400	161,900	73,100	85,900	159,000
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	93,200	105,100	198,300	92,800	104,300	197,100	85,000	95,100	180,100	83,100	93,500	176,600
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	97,600	109,500	207,100	97,400	109,000	206,400	91,300	101,900	193,200	89,600	99,700	189,300
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	109,300	118,000	227,300	109,100	117,500	226,600	103,900	111,100	215,000	102,100	109,300	211,400
US 50	I-80 to Harbor Blvd	1.20	88,200	85,500	173,700	87,900	85,300	173,200	86,300	80,800	167,100	84,700	80,500	165,200
US 50	Harbor Blvd to Jefferson Blvd	1.29	95,000	96,800	191,800	95,000	96,800	191,800	92,900	92,000	184,900	91,500	91,800	183,300
US 50	Jefferson Blvd to I-5	1.01	125,100	130,000	255,100	124,900	130,400	255,300	120,700	126,200	246,900	122,100	125,400	247,500
I-80	US 50 to Reed Ave	1.63	65,500	76,700	142,200	65,000	75,800	140,800	63,200	73,800	137,000	61,500	72,700	134,200
I-80	Reed Ave to W El Camino Ave	1.85	74,600	88,000	162,600	74,300	87,200	161,500	72,800	85,400	158,200	71,000	84,200	155,200
I-80	Old Davis Rd to US 50	10.80	90,623	102,907	193,530	90,127	102,223	192,350	84,254	95,418	179,672	82,658	93,685	176,343
US 50	I-80 to I-5	3.50	101,314	102,458	203,772	101,153	102,505	203,658	98,622	97,980	196,602	97,957	97,573	195,531
I-80	US 50 to W El Camino Ave	3.48	70,335	82,704	153,039	69,941	81,857	151,799	68,301	79,964	148,264	66,548	78,810	145,358
Total		17.78	88,762	98,868	187,630	88,352	98,296	186,647	83,965	92,901	176,866	82,522	91,542	174,064

2049 Daily Truck Percentage			Alt 4 (Add HOT3)			Alt 5 (Add Toll)			Alt 6 (Add Transit)			Alt 7 (Convert HOV)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%
I-80	Richards Blvd to Mace Blvd	2.44	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%
US 50	I-80 to Harbor Blvd	1.20	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%
US 50	Harbor Blvd to Jefferson Blvd	1.29	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%
US 50	Jefferson Blvd to I-5	1.01	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%
I-80	US 50 to Reed Ave	1.63	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%
I-80	Reed Ave to W El Camino Ave	1.85	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%
I-80	Old Davis Rd to US 50	10.80	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%
US 50	I-80 to I-5	3.50	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%
I-80	US 50 to W El Camino Ave	3.48	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%
Total		17.78	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%

2049 Daily Truck Volume (AADT)			Alt 4 (Add HOT3)			Alt 5 (Add Toll)			Alt 6 (Add Transit)			Alt 7 (Convert HOV)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	5,957	7,297	13,257	5,920	7,250	13,174	5,617	6,945	12,564	5,543	6,851	12,396
I-80	Richards Blvd to Mace Blvd	2.44	5,624	7,951	13,586	5,546	7,875	13,430	5,237	7,425	12,671	5,139	7,297	12,444
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	5,546	9,711	15,289	5,522	9,637	15,196	5,058	8,787	13,886	4,945	8,639	13,616
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	5,811	10,096	15,921	5,799	10,050	15,868	5,436	9,395	14,853	5,335	9,192	14,553
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7,877	8,610	16,488	7,862	8,574	16,437	7,488	8,107	15,596	7,358	7,975	15,334
US 50	I-80 to Harbor Blvd	1.20	6,030	6,594	12,628	6,010	6,579	12,592	5,900	6,231	12,148	5,791	6,208	12,010
US 50	Harbor Blvd to Jefferson Blvd	1.29	7,318	6,576	13,876	7,318	6,576	13,876	7,156	6,250	13,377	7,048	6,237	13,261
US 50	Jefferson Blvd to I-5	1.01	7,069	9,357	16,419	7,058	9,385	16,432	6,821	9,083	15,891	6,900	9,026	15,930
I-80	US 50 to Reed Ave	1.63	4,720	5,271	9,990	4,684	5,209	9,892	4,555	5,071	9,625	4,432	4,996	9,428
I-80	Reed Ave to W El Camino Ave	1.85	5,209	5,749	10,953	5,188	5,697	10,878	5,084	5,580	10,656	4,958	5,501	10,454
I-80	Old Davis Rd to US 50	10.80	5,831	9,058	14,907	5,799	8,998	14,816	5,421	8,399	13,840	5,318	8,246	13,583
US 50	I-80 to I-5	3.50	6,905	7,403	14,311	6,894	7,406	14,303	6,722	7,079	13,808	6,676	7,050	13,733
I-80	US 50 to W El Camino Ave	3.48	4,985	5,535	10,516	4,957	5,478	10,431	4,841	5,351	10,188	4,717	5,274	9,989
Total		17.78	5,891	7,987	13,890	5,864	7,941	13,817	5,573	7,505	13,093	5,477	7,396	12,885



2049 Daily Total Volume (AADT)			Alt 8 (Add HOV Med)			Alt 9 (Add HOV no Ent)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	81,200	93,610	174,810	81,400	93,500	174,900
I-80	Richards Blvd to Mace Blvd	2.44	81,300	94,010	175,310	81,400	94,100	175,500
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	94,500	106,910	201,410	94,400	106,700	201,100
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	99,100	110,210	209,310	98,600	109,900	208,500
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	110,800	118,810	229,610	105,300	113,600	218,900
US 50	I-80 to Harbor Blvd	1.20	88,700	86,100	174,800	91,800	87,700	179,500
US 50	Harbor Blvd to Jefferson Blvd	1.29	95,600	97,400	193,000	95,300	96,400	191,700
US 50	Jefferson Blvd to I-5	1.01	124,900	130,800	255,700	125,400	130,200	255,600
I-80	US 50 to Reed Ave	1.63	67,400	77,900	145,300	65,400	77,500	142,900
I-80	Reed Ave to W El Camino Ave	1.85	76,400	89,000	165,400	75,400	88,700	164,100
I-80	Old Davis Rd to US 50	10.80	91,905	103,782	195,686	91,554	103,432	194,986
US 50	I-80 to I-5	3.50	101,650	103,116	204,765	102,748	103,124	205,872
I-80	US 50 to W El Camino Ave	3.48	72,182	83,798	155,980	70,713	83,451	154,164
Total		17.78	89,968	99,742	189,710	89,684	99,464	189,147

2049 Daily Truck Percentage			Alt 8 (Add HOV Med)			Alt 9 (Add HOV no Ent)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	7.4%	7.8%	7.6%	7.4%	7.8%	7.6%
I-80	Richards Blvd to Mace Blvd	2.44	7.0%	8.5%	7.8%	7.0%	8.5%	7.8%
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	6.0%	9.2%	7.7%	6.0%	9.2%	7.7%
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7.2%	7.3%	7.3%	7.2%	7.3%	7.3%
US 50	I-80 to Harbor Blvd	1.20	6.8%	7.7%	7.3%	6.8%	7.7%	7.3%
US 50	Harbor Blvd to Jefferson Blvd	1.29	7.7%	6.8%	7.2%	7.7%	6.8%	7.2%
US 50	Jefferson Blvd to I-5	1.01	5.7%	7.2%	6.4%	5.7%	7.2%	6.4%
I-80	US 50 to Reed Ave	1.63	7.2%	6.9%	7.0%	7.2%	6.9%	7.0%
I-80	Reed Ave to W El Camino Ave	1.85	7.0%	6.5%	6.7%	7.0%	6.5%	6.7%
I-80	Old Davis Rd to US 50	10.80	6.4%	8.8%	7.7%	6.4%	8.8%	7.7%
US 50	I-80 to I-5	3.50	6.8%	7.2%	7.0%	6.8%	7.2%	7.0%
I-80	US 50 to W El Camino Ave	3.48	7.1%	6.7%	6.9%	7.1%	6.7%	6.9%
Total		17.78	6.6%	8.1%	7.4%	6.6%	8.1%	7.4%

2049 Daily Truck Volume (AADT)			Alt 8 (Add HOV Med)			Alt 9 (Add HOV no Ent)		
Route	Description	Distance	EB	WB	Both	EB	WB	Both
I-80	Old Davis Rd to Richards Blvd	1.44	6,001	7,313	13,319	6,016	7,304	13,326
I-80	Richards Blvd to Mace Blvd	2.44	5,715	7,986	13,720	5,722	7,994	13,735
I-80	Mace Blvd to Chiles Rd/County Rd 32A	2.90	5,624	9,878	15,529	5,618	9,859	15,505
I-80	Chiles Rd/County Rd 32A to Enterprise Blvd/W Capitol Ave	3.63	5,900	10,162	16,091	5,870	10,133	16,029
I-80	Enterprise Blvd/W Capitol Ave to US 50	0.40	7,985	8,669	16,655	7,589	8,289	15,878
US 50	I-80 to Harbor Blvd	1.20	6,064	6,640	12,708	6,276	6,764	13,050
US 50	Harbor Blvd to Jefferson Blvd	1.29	7,364	6,617	13,963	7,341	6,549	13,869
US 50	Jefferson Blvd to I-5	1.01	7,058	9,414	16,457	7,086	9,371	16,451
I-80	US 50 to Reed Ave	1.63	4,857	5,353	10,208	4,713	5,326	10,039
I-80	Reed Ave to W El Camino Ave	1.85	5,335	5,815	11,141	5,265	5,795	11,054
I-80	Old Davis Rd to US 50	10.80	5,913	9,135	15,073	5,890	9,104	15,019
US 50	I-80 to I-5	3.50	6,928	7,450	14,381	7,003	7,451	14,459
I-80	US 50 to W El Camino Ave	3.48	5,116	5,608	10,718	5,012	5,585	10,594
Total		17.78	5,971	8,058	14,044	5,952	8,036	14,002

# **Appendix G: Transit Ridership**

Transit Ridership crossing Yolo Causeway - 2027 SACSIM Model

Link	Direction	Transit Line	Notes	2027 Alt 1 No Build						2027 Alt 2 Add HOV					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		31	0	0	0	0	31	43	0	0	0	0	43
I-80	EB	YOLO232AM_A		119	0	0	0	0	119	118	0	0	0	0	118
I-80	EB	YOLO42B_A		18	154	14	23	122	331	24	186	36	28	123	397
I-80	EB	YOLO43AM_A		66	0	0	0	0	66	61	0	0	0	0	61
I-80	EB	YOLO43RPM_A		0	0	0	0	0	0	0	0	2	0	0	2
I-80	EB	YOLO44AM_A		41	0	0	0	0	41	25	0	0	0	0	25
I-80	EB	ZF_QY80_A	Causeway Connection	334	1,023	749	201	0	2,307	350	1,066	821	184	0	2,421
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	3	13	34	7	0	57	3	12	15	8	0	38
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	7	0	7	0	0	0	9	0	9
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	11	11	97	7	12	139	8	8	42	9	15	82
	EB	<b>Total Transit Trips</b>		<b>623</b>	<b>1,201</b>	<b>894</b>	<b>245</b>	<b>134</b>	<b>3,097</b>	<b>631</b>	<b>1,272</b>	<b>916</b>	<b>237</b>	<b>138</b>	<b>3,194</b>
I-80	WB	YOLO230PM_A		0	0	108	0	0	108	0	0	121	0	0	121
I-80	WB	YOLO231PM_A		0	0	145	0	0	145	0	0	143	0	0	143
I-80	WB	YOLO232PM_A		0	0	30	0	0	30	0	0	26	0	0	26
I-80	WB	YOLO42A_B		44	224	41	80	156	544	39	222	75	75	149	560
I-80	WB	YOLO43PM_A		0	0	20	0	0	20	0	0	14	0	0	14
I-80	WB	YOLO43RAM_A		0	0	0	0	0	0	2	0	0	0	0	2
I-80	WB	YOLO44PM_A		0	0	48	0	0	48	0	0	48	0	0	48
I-80	WB	ZF_QY80_B	Causeway Connection	834	677	433	214	0	2,157	852	725	454	198	0	2,228
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	3	8	3	5	0	19	5	4	2	5	0	15
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	5	0	0	0	0	5	4	0	0	0	0	4
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	11	6	16	5	10	49	16	3	9	6	10	43
	WB	<b>Total Transit Trips</b>		<b>897</b>	<b>915</b>	<b>845</b>	<b>302</b>	<b>166</b>	<b>3,126</b>	<b>917</b>	<b>953</b>	<b>890</b>	<b>283</b>	<b>159</b>	<b>3,203</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,520</b>	<b>2,116</b>	<b>1,740</b>	<b>547</b>	<b>300</b>	<b>6,223</b>	<b>1,549</b>	<b>2,226</b>	<b>1,806</b>	<b>520</b>	<b>297</b>	<b>6,397</b>

Transit Ridership crossing Yolo Causeway - 2027 SACSIM Model

Link	Direction	Transit Line	Notes	2027 Alt 3 Add HOT2+						2027 Alt 4 Add HOT3+					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		39	0	0	0	0	39	34	0	0	0	0	34
I-80	EB	YOLO232AM_A		122	0	0	0	0	122	120	0	0	0	0	120
I-80	EB	YOLO42B_A		25	189	37	28	134	413	26	169	28	22	112	356
I-80	EB	YOLO43AM_A		62	0	0	0	0	62	59	0	0	0	0	59
I-80	EB	YOLO43RPM_A		0	0	1	0	0	1	0	0	1	0	0	1
I-80	EB	YOLO44AM_A		23	0	0	0	0	23	28	0	0	0	0	28
I-80	EB	ZF_QY80_A	Causeway Connection	351	1,067	836	213	0	2,466	371	1,051	791	210	0	2,423
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	2	14	18	9	0	44	2	10	22	10	0	44
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	9	0	9	0	0	0	12	0	12
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	8	10	52	9	13	93	5	7	66	11	14	104
	EB	<b>Total Transit Trips</b>		<b>633</b>	<b>1,280</b>	<b>944</b>	<b>268</b>	<b>147</b>	<b>3,273</b>	<b>646</b>	<b>1,237</b>	<b>907</b>	<b>265</b>	<b>126</b>	<b>3,181</b>
I-80	WB	YOLO230PM_A		0	0	123	0	0	123	0	0	116	0	0	116
I-80	WB	YOLO231PM_A		0	0	156	0	0	156	0	0	146	0	0	146
I-80	WB	YOLO232PM_A		0	0	32	0	0	32	0	0	24	0	0	24
I-80	WB	YOLO42A_B		61	224	75	78	172	611	50	221	64	93	142	570
I-80	WB	YOLO43PM_A		0	0	19	0	0	19	0	0	16	0	0	16
I-80	WB	YOLO43RAM_A		2	0	0	0	0	2	2	0	0	0	0	2
I-80	WB	YOLO44PM_A		0	0	52	0	0	52	0	0	49	0	0	49
I-80	WB	ZF_QY80_B	Causeway Connection	844	689	478	210	0	2,222	858	684	464	208	0	2,213
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	3	3	1	3	0	10	4	1	1	5	0	11
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	2	0	0	0	0	2	4	0	0	0	0	4
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	11	2	7	4	15	39	13	1	13	7	12	45
	WB	<b>Total Transit Trips</b>		<b>923</b>	<b>919</b>	<b>944</b>	<b>294</b>	<b>187</b>	<b>3,266</b>	<b>930</b>	<b>907</b>	<b>893</b>	<b>312</b>	<b>154</b>	<b>3,196</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,556</b>	<b>2,199</b>	<b>1,888</b>	<b>562</b>	<b>334</b>	<b>6,539</b>	<b>1,576</b>	<b>2,144</b>	<b>1,800</b>	<b>577</b>	<b>280</b>	<b>6,378</b>

Transit Ridership crossing Yolo Causeway - 2027 SACSIM Model

Link	Direction	Transit Line	Notes	2027 Alt 5 Add Toll						2027 Alt 6 Add Transit					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		34	0	0	0	0	34	39	0	0	0	0	39
I-80	EB	YOLO232AM_A		123	0	0	0	0	123	116	0	0	0	0	116
I-80	EB	YOLO42B_A		26	181	30	24	122	384	24	211	45	24	125	430
I-80	EB	YOLO43AM_A		64	0	0	0	0	64	60	0	0	0	0	60
I-80	EB	YOLO43RPM_A		0	0	0	0	0	0	0	0	6	0	0	6
I-80	EB	YOLO44AM_A		27	0	0	0	0	27	33	0	0	0	0	33
I-80	EB	ZF_QY80_A	Causeway Connection	392	1,088	831	193	0	2,503	347	1,126	923	212	0	2,608
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	2	10	23	10	0	45	4	12	12	5	0	32
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	11	0	11	0	0	0	5	0	5
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	8	6	66	11	17	108	10	8	34	5	17	75
	EB	<b>Total Transit Trips</b>		<b>675</b>	<b>1,285</b>	<b>951</b>	<b>248</b>	<b>139</b>	<b>3,298</b>	<b>634</b>	<b>1,357</b>	<b>1,020</b>	<b>251</b>	<b>142</b>	<b>3,404</b>
I-80	WB	YOLO230PM_A		0	0	126	0	0	126	0	0	135	0	0	135
I-80	WB	YOLO231PM_A		0	0	145	0	0	145	0	0	156	0	0	156
I-80	WB	YOLO232PM_A		0	0	31	0	0	31	0	0	33	0	0	33
I-80	WB	YOLO42A_B		37	221	52	80	147	538	42	222	67	76	157	565
I-80	WB	YOLO43PM_A		0	0	17	0	0	17	0	0	19	0	0	19
I-80	WB	YOLO43RAM_A		2	0	0	0	0	2	2	0	0	0	0	2
I-80	WB	YOLO44PM_A		0	0	48	0	0	48	0	0	52	0	0	52
I-80	WB	ZF_QY80_B	Causeway Connection	872	716	485	212	0	2,286	904	739	467	216	0	2,326
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	6	4	2	6	0	18	4	3	1	4	0	12
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	3	0	0	0	0	3	5	0	0	0	0	5
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	18	3	13	6	12	51	10	2	7	6	15	41
	WB	<b>Total Transit Trips</b>		<b>938</b>	<b>945</b>	<b>920</b>	<b>303</b>	<b>159</b>	<b>3,266</b>	<b>968</b>	<b>967</b>	<b>937</b>	<b>301</b>	<b>173</b>	<b>3,346</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,613</b>	<b>2,230</b>	<b>1,871</b>	<b>552</b>	<b>299</b>	<b>6,564</b>	<b>1,602</b>	<b>2,324</b>	<b>1,958</b>	<b>552</b>	<b>314</b>	<b>6,750</b>

Transit Ridership crossing Yolo Causeway - 2027 SACSIM Model

Link	Direction	Transit Line	Notes	2027 Alt 7 Convert HOV						2027 Alt 8 Add HOV with Median Ramps					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		19	0	0	0	0	19	40	0	0	0	0	40
I-80	EB	YOLO232AM_A		128	0	0	0	0	128	112	0	0	0	0	112
I-80	EB	YOLO42B_A		10	149	24	22	106	310	29	186	38	19	125	398
I-80	EB	YOLO43AM_A		69	0	0	0	0	69	58	0	0	0	0	58
I-80	EB	YOLO43RPM_A		0	0	0	0	0	0	0	0	2	0	0	2
I-80	EB	YOLO44AM_A		26	0	0	0	0	26	22	0	0	0	0	22
I-80	EB	ZF_QY80_A	Causeway Connection	325	1,001	677	175	0	2,177	335	1,086	845	210	0	2,475
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	6	8	40	10	0	64	5	12	17	8	0	42
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	10	0	10	0	0	0	11	0	11
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	18	6	112	10	7	152	14	8	49	10	17	98
	EB	<b>Total Transit Trips</b>		<b>600</b>	<b>1,164</b>	<b>853</b>	<b>225</b>	<b>113</b>	<b>2,954</b>	<b>615</b>	<b>1,292</b>	<b>952</b>	<b>257</b>	<b>142</b>	<b>3,258</b>
I-80	WB	YOLO230PM_A		0	0	113	0	0	113	0	0	131	0	0	131
I-80	WB	YOLO231PM_A		0	0	128	0	0	128	0	0	143	0	0	143
I-80	WB	YOLO232PM_A		0	0	32	0	0	32	0	0	28	0	0	28
I-80	WB	YOLO42A_B		35	210	55	76	151	527	45	222	58	87	146	559
I-80	WB	YOLO43PM_A		0	0	20	0	0	20	0	0	16	0	0	16
I-80	WB	YOLO43RAM_A		0	0	0	0	0	0	1	0	0	0	0	1
I-80	WB	YOLO44PM_A		0	0	43	0	0	43	0	0	48	0	0	48
I-80	WB	ZF_QY80_B	Causeway Connection	741	660	400	202	0	2,003	851	697	478	246	0	2,271
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	12	3	6	3	0	24	6	6	2	7	0	20
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	8	0	0	0	0	8	5	0	0	0	0	5
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	37	3	25	4	13	82	17	4	12	8	13	54
	WB	<b>Total Transit Trips</b>		<b>833</b>	<b>877</b>	<b>821</b>	<b>285</b>	<b>164</b>	<b>2,980</b>	<b>926</b>	<b>928</b>	<b>915</b>	<b>348</b>	<b>160</b>	<b>3,276</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,433</b>	<b>2,041</b>	<b>1,674</b>	<b>510</b>	<b>277</b>	<b>5,934</b>	<b>1,540</b>	<b>2,220</b>	<b>1,867</b>	<b>605</b>	<b>302</b>	<b>6,534</b>

Transit Ridership crossing Yolo Causeway - 2027 SACSIM Model

Link	Direction	Transit Line	Notes	2027 Alt 9 Add HOV No Enterprise Crossing						2027 Alt 10 Add GP					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		34	0	0	0	0	34	38	0	0	0	0	38
I-80	EB	YOLO232AM_A		113	0	0	0	0	113	106	0	0	0	0	106
I-80	EB	YOLO42B_A		27	186	30	27	124	394	29	175	38	24	125	392
I-80	EB	YOLO43AM_A		62	0	0	0	0	62	58	0	0	0	0	58
I-80	EB	YOLO43RPM_A		0	0	4	0	0	4	0	0	0	0	0	0
I-80	EB	YOLO44AM_A		25	0	0	0	0	25	26	0	0	0	0	26
I-80	EB	ZF_QY80_A	Causeway Connection	344	1,079	780	188	0	2,392	351	1,094	821	198	0	2,463
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	4	18	19	9	0	50	3	10	17	6	0	36
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	10	0	10	0	0	0	7	0	7
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	15	12	50	10	8	95	10	8	48	7	17	90
	EB	<b>Total Transit Trips</b>		<b>625</b>	<b>1,295</b>	<b>883</b>	<b>244</b>	<b>132</b>	<b>3,179</b>	<b>621</b>	<b>1,286</b>	<b>925</b>	<b>242</b>	<b>142</b>	<b>3,216</b>
I-80	WB	YOLO230PM_A		0	0	116	0	0	116	0	0	113	0	0	113
I-80	WB	YOLO231PM_A		0	0	147	0	0	147	0	0	151	0	0	151
I-80	WB	YOLO232PM_A		0	0	29	0	0	29	0	0	30	0	0	30
I-80	WB	YOLO42A_B		48	212	86	77	146	570	41	233	44	81	154	552
I-80	WB	YOLO43PM_A		0	0	13	0	0	13	0	0	21	0	0	21
I-80	WB	YOLO43RAM_A		2	0	0	0	0	2	1	0	0	0	0	1
I-80	WB	YOLO44PM_A		0	0	49	0	0	49	0	0	50	0	0	50
I-80	WB	ZF_QY80_B	Causeway Connection	831	679	442	208	0	2,160	861	689	467	205	0	2,222
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	6	3	2	4	0	16	2	6	2	3	0	12
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	5	0	0	0	0	5	3	0	0	0	0	3
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	18	4	10	6	7	45	8	4	11	7	12	41
	WB	<b>Total Transit Trips</b>		<b>911</b>	<b>899</b>	<b>894</b>	<b>295</b>	<b>153</b>	<b>3,152</b>	<b>916</b>	<b>932</b>	<b>888</b>	<b>296</b>	<b>166</b>	<b>3,197</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,536</b>	<b>2,194</b>	<b>1,777</b>	<b>539</b>	<b>285</b>	<b>6,330</b>	<b>1,536</b>	<b>2,218</b>	<b>1,813</b>	<b>538</b>	<b>308</b>	<b>6,413</b>

Transit Ridership crossing Yolo Causeway - 2040 SACSIM Model

Link	Direction	Transit Line	Notes	2040 Alt 1 No Build						2040 Alt 2 Add HOV					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		26	0	0	0	0	26	44	0	0	0	0	44
I-80	EB	YOLO232AM_A		159	0	0	0	0	159	146	0	0	0	0	146
I-80	EB	YOLO42B_A		28	214	27	31	144	444	26	256	34	30	161	507
I-80	EB	YOLO43AM_A		85	0	0	0	0	85	81	0	0	0	0	81
I-80	EB	YOLO43RPM_A		0	0	0	0	0	0	0	0	2	0	0	2
I-80	EB	YOLO44AM_A		34	0	0	0	0	34	35	0	0	0	0	35
I-80	EB	ZF_QY80_A	Causeway Connection	442	1,189	757	233	0	2,621	416	1,261	911	253	0	2,841
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	3	17	51	8	0	78	6	17	24	8	0	54
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	9	0	9	0	0	0	10	0	10
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	13	12	138	9	15	188	18	12	70	10	19	129
	EB	<b>Total Transit Trips</b>		<b>790</b>	<b>1,432</b>	<b>973</b>	<b>290</b>	<b>159</b>	<b>3,643</b>	<b>772</b>	<b>1,546</b>	<b>1,041</b>	<b>310</b>	<b>180</b>	<b>3,849</b>
I-80	WB	YOLO230PM_A		0	0	142	0	0	142	0	0	149	0	0	149
I-80	WB	YOLO231PM_A		0	0	150	0	0	150	0	0	146	0	0	146
I-80	WB	YOLO232PM_A		0	0	29	0	0	29	0	0	29	0	0	29
I-80	WB	YOLO42A_B		56	316	109	122	170	773	50	357	83	136	194	819
I-80	WB	YOLO43PM_A		0	0	14	0	0	14	0	0	18	0	0	18
I-80	WB	YOLO43RAM_A		0	0	0	0	0	0	1	0	0	0	0	1
I-80	WB	YOLO44PM_A		0	0	50	0	0	50	0	0	49	0	0	49
I-80	WB	ZF_QY80_B	Causeway Connection	834	769	446	213	0	2,262	819	830	531	268	0	2,448
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	11	2	8	5	0	27	8	4	3	4	0	18
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	6	0	0	0	0	6	8	0	0	0	0	8
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	34	1	36	5	20	97	23	5	13	4	15	60
	WB	<b>Total Transit Trips</b>		<b>943</b>	<b>1,088</b>	<b>984</b>	<b>345</b>	<b>190</b>	<b>3,551</b>	<b>909</b>	<b>1,195</b>	<b>1,021</b>	<b>411</b>	<b>209</b>	<b>3,746</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,732</b>	<b>2,521</b>	<b>1,957</b>	<b>635</b>	<b>349</b>	<b>7,194</b>	<b>1,682</b>	<b>2,741</b>	<b>2,062</b>	<b>721</b>	<b>389</b>	<b>7,595</b>



Transit Ridership crossing Yolo Causeway - 2040 SACSIM Model

Link	Direction	Transit Line	Notes	2040 Alt 3 Add HOT2+						2040 Alt 4 Add HOT3+					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		43	0	0	0	0	43	34	0	0	0	0	34
I-80	EB	YOLO232AM_A		153	0	0	0	0	153	149	0	0	0	0	149
I-80	EB	YOLO42B_A		33	262	49	40	170	555	29	264	39	39	163	534
I-80	EB	YOLO43AM_A		84	0	0	0	0	84	75	0	0	0	0	75
I-80	EB	YOLO43RPM_A		0	0	1	0	0	1	0	0	0	0	0	
I-80	EB	YOLO44AM_A		30	0	0	0	0	30	36	0	0	0	0	36
I-80	EB	ZF_QY80_A	Causeway Connection	433	1,216	872	221	0	2,742	483	1,208	799	233	0	2,723
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	5	17	27	7	0	56	5	23	34	6	0	68
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	9	0	9	0	0	0	8	0	8
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	19	13	79	8	17	136	16	16	95	8	14	149
	EB	<b>Total Transit Trips</b>		<b>802</b>	<b>1,508</b>	<b>1,029</b>	<b>285</b>	<b>187</b>	<b>3,811</b>	<b>827</b>	<b>1,511</b>	<b>966</b>	<b>294</b>	<b>177</b>	<b>3,775</b>
I-80	WB	YOLO230PM_A		0	0	159	0	0	159	0	0	141	0	0	141
I-80	WB	YOLO231PM_A		0	0	165	0	0	165	0	0	172	0	0	172
I-80	WB	YOLO232PM_A		0	0	34	0	0	34	0	0	31	0	0	31
I-80	WB	YOLO42A_B		57	325	114	130	192	818	51	358	96	121	184	810
I-80	WB	YOLO43PM_A		0	0	20	0	0	20	0	0	17	0	0	17
I-80	WB	YOLO43RAM_A		1	0	0	0	0	1	1	0	0	0	0	1
I-80	WB	YOLO44PM_A		0	0	55	0	0	55	0	0	57	0	0	57
I-80	WB	ZF_QY80_B	Causeway Connection	824	797	535	269	0	2,426	830	803	479	248	0	2,360
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	7	7	3	3	0	19	8	8	5	5	0	25
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	5	0	0	0	0	5	5	0	0	0	0	5
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	21	6	12	4	15	58	27	5	17	5	18	72
	WB	<b>Total Transit Trips</b>		<b>916</b>	<b>1,135</b>	<b>1,097</b>	<b>406</b>	<b>207</b>	<b>3,760</b>	<b>922</b>	<b>1,173</b>	<b>1,014</b>	<b>378</b>	<b>203</b>	<b>3,690</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,718</b>	<b>2,643</b>	<b>2,126</b>	<b>692</b>	<b>394</b>	<b>7,571</b>	<b>1,749</b>	<b>2,684</b>	<b>1,980</b>	<b>672</b>	<b>379</b>	<b>7,464</b>

Transit Ridership crossing Yolo Causeway - 2040 SACSIM Model

Link	Direction	Transit Line	Notes	2040 Alt 5 Add Toll						2040 Alt 6 Add Transit					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		35	0	0	0	0	35	41	0	0	0	0	41
I-80	EB	YOLO232AM_A		152	0	0	0	0	152	158	0	0	0	0	158
I-80	EB	YOLO42B_A		26	263	34	35	154	511	43	292	75	27	172	610
I-80	EB	YOLO43AM_A		77	0	0	0	0	77	79	0	0	0	0	79
I-80	EB	YOLO43RPM_A		0	0	1	0	0	1	0	0	3	0	0	3
I-80	EB	YOLO44AM_A		31	0	0	0	0	31	32	0	0	0	0	32
I-80	EB	ZF_QY80_A	Causeway Connection	433	1,184	845	212	0	2,675	492	1,336	1,026	227	0	3,080
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	5	20	34	7	0	65	4	19	17	9	0	49
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	8	0	8	0	0	0	11	0	11
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	17	14	95	8	17	151	14	14	48	11	15	101
	<b>EB</b>	<b>Total Transit Trips</b>		<b>775</b>	<b>1,481</b>	<b>1,008</b>	<b>270</b>	<b>171</b>	<b>3,705</b>	<b>862</b>	<b>1,661</b>	<b>1,168</b>	<b>286</b>	<b>187</b>	<b>4,165</b>
I-80	WB	YOLO230PM_A		0	0	143	0	0	143	0	0	142	0	0	142
I-80	WB	YOLO231PM_A		0	0	155	0	0	155	0	0	197	0	0	197
I-80	WB	YOLO232PM_A		0	0	29	0	0	29	0	0	35	0	0	35
I-80	WB	YOLO42A_B		56	350	111	127	180	823	55	358	132	138	195	878
I-80	WB	YOLO43PM_A		0	0	18	0	0	18	0	0	18	0	0	18
I-80	WB	YOLO43RAM_A		1	0	0	0	0	1	6	0	0	0	0	6
I-80	WB	YOLO44PM_A		0	0	52	0	0	52	0	0	66	0	0	66
I-80	WB	ZF_QY80_B	Causeway Connection	852	781	471	238	0	2,342	943	869	584	253	0	2,649
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	7	4	5	4	0	19	6	3	2	3	0	14
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	5	0	0	0	0	5	4	0	0	0	0	4
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	21	3	19	5	18	66	20	4	17	3	14	57
	<b>WB</b>	<b>Total Transit Trips</b>		<b>942</b>	<b>1,137</b>	<b>1,003</b>	<b>373</b>	<b>198</b>	<b>3,653</b>	<b>1,033</b>	<b>1,235</b>	<b>1,194</b>	<b>397</b>	<b>209</b>	<b>4,068</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,717</b>	<b>2,618</b>	<b>2,011</b>	<b>643</b>	<b>369</b>	<b>7,359</b>	<b>1,895</b>	<b>2,896</b>	<b>2,362</b>	<b>683</b>	<b>396</b>	<b>8,232</b>

Transit Ridership crossing Yolo Causeway - 2040 SACSIM Model

Link	Direction	Transit Line	Notes	2040 Alt 7 Convert HOV						2040 Alt 8 Add HOV with Median Ramps					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		17	0	0	0	0	17	43	0	0	0	0	43
I-80	EB	YOLO232AM_A		153	0	0	0	0	153	145	0	0	0	0	145
I-80	EB	YOLO42B_A		23	231	19	34	161	467	29	267	31	29	170	526
I-80	EB	YOLO43AM_A		71	0	0	0	0	71	77	0	0	0	0	77
I-80	EB	YOLO43RPM_A		0	0	0	0	0	0	0	0	2	0	0	2
I-80	EB	YOLO44AM_A		36	0	0	0	0	36	34	0	0	0	0	34
I-80	EB	ZF_QY80_A	Causeway Connection	400	1,190	633	192	0	2,416	445	1,191	861	236	0	2,733
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	8	22	54	9	0	94	6	13	27	6	0	51
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	10	0	10	0	0	0	6	0	6
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	27	17	150	10	25	229	17	10	78	6	20	131
	EB	<b>Total Transit Trips</b>		<b>734</b>	<b>1,460</b>	<b>856</b>	<b>255</b>	<b>186</b>	<b>3,492</b>	<b>796</b>	<b>1,480</b>	<b>998</b>	<b>283</b>	<b>190</b>	<b>3,748</b>
I-80	WB	YOLO230PM_A		0	0	142	0	0	142	0	0	149	0	0	149
I-80	WB	YOLO231PM_A		0	0	139	0	0	139	0	0	165	0	0	165
I-80	WB	YOLO232PM_A		0	0	28	0	0	28	0	0	32	0	0	32
I-80	WB	YOLO42A_B		53	351	89	124	175	792	53	350	125	119	186	833
I-80	WB	YOLO43PM_A		0	0	16	0	0	16	0	0	19	0	0	19
I-80	WB	YOLO43RAM_A		0	0	0	0	0	0	1	0	0	0	0	1
I-80	WB	YOLO44PM_A		0	0	46	0	0	46	0	0	55	0	0	55
I-80	WB	ZF_QY80_B	Causeway Connection	715	751	391	219	0	2,076	799	758	520	259	0	2,335
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	19	9	11	6	0	44	7	4	3	4	0	18
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	15	0	0	0	0	15	6	0	0	0	0	6
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	60	8	33	6	26	133	25	4	14	4	25	72
	WB	<b>Total Transit Trips</b>		<b>862</b>	<b>1,118</b>	<b>897</b>	<b>354</b>	<b>201</b>	<b>3,432</b>	<b>891</b>	<b>1,115</b>	<b>1,082</b>	<b>386</b>	<b>211</b>	<b>3,685</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,596</b>	<b>2,578</b>	<b>1,754</b>	<b>609</b>	<b>387</b>	<b>6,923</b>	<b>1,687</b>	<b>2,595</b>	<b>2,080</b>	<b>669</b>	<b>401</b>	<b>7,433</b>

Transit Ridership crossing Yolo Causeway - 2040 SACSIM Model

Link	Direction	Transit Line	Notes	2040 Alt 9 Add HOV No Enterprise Crossing						2040 Alt 10 Add GP					
				AM4	MD6	PM3	EV2	NI9	Daily	AM4	MD6	PM3	EV2	NI9	Daily
I-80	EB	YOLO230AM_A		32	0	0	0	0	32	31	0	0	0	0	31
I-80	EB	YOLO232AM_A		157	0	0	0	0	157	159	0	0	0	0	159
I-80	EB	YOLO42B_A		21	278	48	41	161	549	19	261	47	34	154	515
I-80	EB	YOLO43AM_A		80	0	0	0	0	80	79	0	0	0	0	79
I-80	EB	YOLO43RPM_A		0	0	1	0	0	1	0	0	2	0	0	2
I-80	EB	YOLO44AM_A		35	0	0	0	0	35	41	0	0	0	0	41
I-80	EB	ZF_QY80_A	Causeway Connection	417	1,224	843	229	0	2,713	471	1,264	912	215	0	2,862
Capitol Corridor	EB	AMTRCCS_B	Eastern terminus Sacramento	6	17	29	9	0	62	3	19	27	7	0	56
Capitol Corridor	EB	AMTRCC_A	Eastern terminus Auburn	0	0	0	12	0	12	0	0	0	11	0	11
Capitol Corridor	EB	ZF_AMTRCCR_B	Eastern terminus Roseville	19	13	83	11	18	144	14	14	77	10	18	132
	EB	<b>Total Transit Trips</b>		<b>768</b>	<b>1,532</b>	<b>1,004</b>	<b>303</b>	<b>179</b>	<b>3,786</b>	<b>817</b>	<b>1,559</b>	<b>1,065</b>	<b>277</b>	<b>172</b>	<b>3,889</b>
I-80	WB	YOLO230PM_A		0	0	151	0	0	151	0	0	153	0	0	153
I-80	WB	YOLO231PM_A		0	0	153	0	0	153	0	0	159	0	0	159
I-80	WB	YOLO232PM_A		0	0	31	0	0	31	0	0	29	0	0	29
I-80	WB	YOLO42A_B		50	358	121	132	202	864	57	356	113	139	195	860
I-80	WB	YOLO43PM_A		0	0	23	0	0	23	0	0	19	0	0	19
I-80	WB	YOLO43RAM_A		1	0	0	0	0	1	1	0	0	0	0	1
I-80	WB	YOLO44PM_A		0	0	51	0	0	51	0	0	53	0	0	53
I-80	WB	ZF_QY80_B	Causeway Connection	827	774	499	250	0	2,350	907	800	501	277	0	2,484
Capitol Corridor	WB	AMTRCCS_A	Eastern terminus Sacramento	5	4	2	5	0	17	5	9	3	4	0	21
Capitol Corridor	WB	AMTRCC_B	Eastern terminus Auburn	5	0	0	0	0	5	3	0	0	0	0	3
Capitol Corridor	WB	ZF_AMTRCCR_A	Eastern terminus Roseville	21	4	10	6	22	63	18	7	13	5	17	61
	WB	<b>Total Transit Trips</b>		<b>909</b>	<b>1,141</b>	<b>1,040</b>	<b>393</b>	<b>224</b>	<b>3,707</b>	<b>992</b>	<b>1,172</b>	<b>1,042</b>	<b>425</b>	<b>212</b>	<b>3,844</b>
		<b>Two-Way Total Transit Trips</b>		<b>1,677</b>	<b>2,673</b>	<b>2,044</b>	<b>696</b>	<b>403</b>	<b>7,493</b>	<b>1,809</b>	<b>2,731</b>	<b>2,107</b>	<b>701</b>	<b>384</b>	<b>7,733</b>

# **Appendix H: Traffic Index**

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		163,030	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.59%			7.17%		0.40%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
163,030	11,687	7.17	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,333	885	402	7,067	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.17	3,333	885	402	7,067	11,687	Cal AADT PM 0.237
<b>2049</b>	7.17	3,586	952	433	7,603	12,574	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	175,400

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1793	1.004	1800.2	69	124212
3-axle	476	1.004	477.9	184	87934
4-axle	217	1.004	217.4	294	63906
5-axle	3802	1.004	3816.7	689	2629710

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2690084	2905762	14528811	29057622	43586434	58115245	116230490

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2152067	2324610	11623049	23246098	34869147	46492196	92984392

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
538017	581152	2905762	5811524	8717287	11623049	23246098

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53802	58115	290576	581152	871729	1162305	2324610

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53802	58115	232461	464922	697383	929844	1859688

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		278,000	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	13.49%				6.29%	0.70%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
278,000	17,486	6.29	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,596	1,773	801	7,316	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.3	7,596	1,773	801	7,316	17,486	Cal AADT PM L0.35
2049	6.3	8,621	2,012	909	8,303	19,845	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	315,500

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4311	1.007	4340.7	69	299506
3-axle	1006	1.007	1013.0	184	186400
4-axle	455	1.007	457.7	294	134558
5-axle	4152	1.007	4180.6	689	2880406

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
3063287	3500871	17504354	35008707	52513061	70017415	140034830

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2450630	2800697	14003483	28006966	42010449	56013932	112027864

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
612657	700174	3500871	7001741	10502612	14003483	28006966

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61266	70017	350087	700174	1050261	1400348	2800697

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61266	70017	280070	560139	840209	1120279	2240557

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.5	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		141,600	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	16.74%			6.52%	0.80%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
141,600	9,236	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,560	1,133	764	2,778	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,560	1,133	764	2,778	9,236	Cal AADT M2.55
2049	6.52	5,323	1,323	892	3,243	10,782	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	165,300

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2662	1.008	2682.8	69	185113
3-axle	662	1.008	666.8	184	122690
4-axle	446	1.008	449.6	294	132173
5-axle	1622	1.008	1634.5	689	1126151

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1330885	1566127	7830633	15661266	23491899	31322532	62645063

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1064708	1252901	6264506	12529013	18793519	25058025	50116050

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
266177	313225	1566127	3132253	4698380	6264506	12529013

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26618	31323	156613	313225	469838	626451	1252901

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26618	31323	125290	250580	375870	501161	1002321

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 2 (Add HOV)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.5	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	13.0	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.5	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		163,200	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.66%			7.17%		0.40%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
163,200	11,700	7.17	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,337	886	402	7,075	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.17	3,337	886	402	7,075	11,700	Cal AADT PM 0.237
<b>2049</b>	7.17	3,592	954	433	7,617	12,596	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	175,700

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1796	1.004	1803.2	69	124420
3-axle	477	1.004	478.9	184	88119
4-axle	217	1.004	217.4	294	63906
5-axle	3809	1.004	3823.7	689	2634553

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2693070	2910997	14554985	29109971	43664956	58219942	116439884

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2154456	2328798	11643988	23287977	34931965	46575954	93151907

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
538614	582199	2910997	5821994	8732991	11643988	23287977

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53861	58220	291100	582199	873299	1164399	2328798

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53861	58220	232880	465760	698639	931519	1863038

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		277,400	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	12.80%				6.29%	0.60%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
277,400	17,447	6.29	2049

### TRUCK AADT TOTAL BY AXLE

### % TRUCK AADT BY AXLE

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,579	1,769	799	7,300	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,579	1,769	799	7,300	17,447	Cal AADT PM L0.35
2049	6.29	8,549	1,996	901	8,234	19,680	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	312,900

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4275	1.006	4300.1	69	296710
3-axle	998	1.006	1004.0	184	184734
4-axle	451	1.006	453.2	294	133242
5-axle	4117	1.006	4141.7	689	2853633

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
3056527	3468318	17341591	34683183	52024774	69366366	138732732

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2445221	2774655	13873273	27746546	41619820	55493093	110986185

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
611305	693664	3468318	6936637	10404955	13873273	27746546

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61131	69366	346832	693664	1040495	1387327	2774655

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61131	69366	277465	554931	832396	1109862	2219724

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.5	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

*Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling*

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		141,800	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	16.78%			6.52%	0.80%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
141,800	9,249	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,566	1,135	765	2,782	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,566	1,135	765	2,782	9,249	Cal AADT M2.55
2049	6.52	5,333	1,325	893	3,249	10,801	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	165,600

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2667	1.008	2687.8	69	185460
3-axle	663	1.008	667.8	184	122875
4-axle	447	1.008	450.1	294	132321
5-axle	1625	1.008	1637.5	689	1128235

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1332801	1568892	7844458	15688915	23533373	31377830	62755661

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1066241	1255113	6275566	12551132	18826698	25102264	50204529

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
266560	313778	1568892	3137783	4706675	6275566	12551132

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26656	31378	156889	313778	470667	627557	1255113

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26656	31378	125511	251023	376534	502045	1004091

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 3 (Add HOT)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.5	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	13.0	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.5	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		162,100	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.53%			7.17%	0.40%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
162,100	11,617	7.17	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,313	879	400	7,025	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.17	3,313	879	400	7,025	11,617	Cal AADT PM 0.237
<b>2049</b>	7.17	3,562	946	430	7,553	12,491	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	174,300

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1781	1.004	1788.1	69	123381
3-axle	473	1.004	474.9	184	87380
4-axle	215	1.004	215.9	294	63463
5-axle	3777	1.004	3791.6	689	2612417

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2674079	2886640	14433200	28866401	43299601	57732801	115465602

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2139263	2309312	11546560	23093120	34639681	46186241	92372482

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
534816	577328	2886640	5773280	8659920	11546560	23093120

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53482	57733	288664	577328	865992	1154656	2309312

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53482	57733	230931	461862	692794	923725	1847450

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		276,200	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	12.96%				6.29%	0.60%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
276,200	17,370	6.29	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,545	1,761	796	7,267	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,546	1,761	796	7,268	17,370	Cal AADT PM L0.35
2049	6.29	8,523	1,990	899	8,209	19,621	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	312,000

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4262	1.006	4287.1	69	295808
3-axle	995	1.006	1001.0	184	184178
4-axle	450	1.006	452.2	294	132946
5-axle	4105	1.006	4129.1	689	2844969

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
3043187	3457901	17289503	34579007	51868510	69158013	138316026

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2434550	2766321	13831603	27663205	41494808	55326411	110652821

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
608637	691580	3457901	6915801	10373702	13831603	27663205

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
60864	69158	345790	691580	1037370	1383160	2766321

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
60864	69158	276632	553264	829896	1106528	2213056

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.5	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		141,200	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	16.71%			6.52%	0.80%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
141,200	9,209	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,547	1,130	762	2,770	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,546	1,130	762	2,770	9,209	Cal AADT M2.55
2049	6.52	5,307	1,319	889	3,233	10,749	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	164,800

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2654	1.008	2674.7	69	184556
3-axle	660	1.008	664.8	184	122319
4-axle	445	1.008	448.1	294	131728
5-axle	1617	1.008	1629.4	689	1122679

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1327076	1561282	7806411	15612821	23419232	31225643	62451285

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1061661	1249026	6245129	12490257	18735386	24980514	49961028

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
265415	312256	1561282	3122564	4683846	6245129	12490257

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26542	31226	156128	312256	468385	624513	1249026

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26542	31226	124903	249805	374708	499610	999221

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 4 (Add HOT3)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.5	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	13.0	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.5	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		160,680	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.67%			7.17%		0.40%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
160,680	11,518	7.17	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,285	872	396	6,965	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.17	3,285	872	396	6,965	11,518	Cal AADT PM 0.237
<b>2049</b>	7.17	3,537	939	427	7,499	12,401	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	173,000

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1769	1.004	1775.6	69	122515
3-axle	470	1.004	471.4	184	86734
4-axle	214	1.004	214.4	294	63020
5-axle	3750	1.004	3764.5	689	2593739

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2651211	2866007	14330037	28660074	42990110	57320147	114640294

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2120969	2292806	11464029	22928059	34392088	45856118	91712235

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
530242	573201	2866007	5732015	8598022	11464029	22928059

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53024	57320	286601	573201	859802	1146403	2292806

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53024	57320	229281	458561	687842	917122	1834245

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		275,800	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	13.63%				6.29%	0.70%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
275,800	17,343	6.29	2049

### TRUCK AADT TOTAL BY AXLE

### % TRUCK AADT BY AXLE

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,534	1,759	794	7,256	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,534	1,759	794	7,256	17,343	Cal AADT PM L0.35
2049	6.29	8,561	1,998	903	8,246	19,708	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	313,400

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4281	1.007	4310.5	69	297422
3-axle	999	1.007	1006.0	184	185103
4-axle	452	1.007	454.7	294	133670
5-axle	4123	1.007	4151.9	689	2860632

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
3038161	3476827	17384136	34768271	52152407	69536542	139073084

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2430529	2781462	13907308	27814617	41721925	55629234	111258468

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
607632	695365	3476827	6953654	10430481	13907308	27814617

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
60763	69537	347683	695365	1043048	1390731	2781462

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
60763	69537	278146	556292	834439	1112585	2225169

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.5	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		140,300	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	16.54%			6.52%	0.80%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
140,300	9,151	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,518	1,123	757	2,753	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,518	1,123	757	2,753	9,151	Cal AADT M2.55
2049	6.52	5,265	1,308	882	3,208	10,664	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	163,500

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2633	1.008	2653.6	69	183096
3-axle	654	1.008	659.2	184	121299
4-axle	441	1.008	444.5	294	130691
5-axle	1604	1.008	1616.8	689	1113997

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1318875	1549083	7745414	15490828	23236242	30981656	61963312

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1055100	1239266	6196331	12392662	18588994	24785325	49570650

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
263775	309817	1549083	3098166	4647248	6196331	12392662

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26377	30982	154908	309817	464725	619633	1239266

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26377	30982	123927	247853	371780	495706	991413

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 5 (Add Toll)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.5	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	12.5	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.5	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		153,910	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.14%			7.16%	0.40%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
153,910	11,023	7.16	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,144	834	379	6,666	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.16	3,144	834	379	6,666	11,023	Cal AADT PM 0.237
<b>2049</b>	7.16	3,368	894	406	7,142	11,810	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	164,900

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1684	1.004	1690.7	69	116661
3-axle	447	1.004	448.8	184	82577
4-axle	203	1.004	203.8	294	59921
5-axle	3571	1.004	3585.3	689	2470261

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2537346	2729419	13647096	27294192	40941288	54588384	109176767

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2029877	2183535	10917677	21835353	32753030	43670707	87341414

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
507469	545884	2729419	5458838	8188258	10917677	21835353

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
50747	54588	272942	545884	818826	1091768	2183535

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
50747	54588	218354	436707	655061	873414	1746828

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	15.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		270,300	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	14.69%			6.29%	0.70%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
270,300	16,997	6.29	2049

### TRUCK AADT TOTAL BY AXLE

### % TRUCK AADT BY AXLE

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,384	1,724	778	7,112	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,383	1,723	778	7,112	16,997	Cal AADT PM L0.35
2049	6.29	8,468	1,977	893	8,156	19,494	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	310,000

### ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4234	1.007	4263.6	69	294191
3-axle	989	1.007	995.4	184	183157
4-axle	447	1.007	449.6	294	132190
5-axle	4078	1.007	4106.5	689	2829410

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2977680	3438948	17194742	34389483	51584225	68778966	137557932

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2382144	2751159	13755793	27511586	41267380	55023173	110046346

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
595536	687790	3438948	6877897	10316845	13755793	27511586

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
59554	68779	343895	687790	1031684	1375579	2751159

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
59554	68779	275116	550232	825348	1100463	2200927

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

### 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		134,200	0.0

### STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	17.88%			6.52%	0.90%	

### 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
134,200	8,747	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,319	1,073	723	2,631	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,318	1,073	723	2,631	8,747	Cal AADT M2.55
2049	6.52	5,091	1,265	853	3,102	10,312	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

### TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	158,200

### ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2546	1.009	2568.4	69	177220
3-axle	633	1.009	638.2	184	117427
4-axle	427	1.009	430.3	294	126520
5-axle	1551	1.009	1565.0	689	1078257

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1260348	1499424	7497120	14994239	22491359	29988479	59976958

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1008278	1199539	5997696	11995392	17993087	23990783	47981566

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
252070	299885	1499424	2998848	4498272	5997696	11995392

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
25207	29988	149942	299885	449827	599770	1199539

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
25207	29988	119954	239908	359862	479816	959631

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 6 (Add Transit)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	12.5	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.0	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		149,370	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	8.92%			7.16%		0.40%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
149,370	10,698	7.16	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,051	810	368	6,469	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.16	3,051	810	368	6,469	10,698	Cal AADT PM 0.237
<b>2049</b>	7.16	3,323	882	401	7,046	11,652	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	162,700

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1662	1.004	1668.1	69	115102
3-axle	441	1.004	442.8	184	81469
4-axle	201	1.004	201.3	294	59183
5-axle	3523	1.004	3537.1	689	2437056

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2462446	2692810	13464049	26928098	40392147	53856197	107712393

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1969957	2154248	10771239	21542479	32313718	43084957	86169914

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
492489	538562	2692810	5385620	8078429	10771239	21542479

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
49249	53856	269281	538562	807843	1077124	2154248

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
49249	53856	215425	430850	646274	861699	1723398

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	15.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		269,300	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	14.56%			6.29%	0.70%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
269,300	16,935	6.29	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,357	1,717	776	7,086	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,357	1,717	776	7,086	16,935	Cal AADT PM L0.35
2049	6.29	8,428	1,967	889	8,117	19,401	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	308,500

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4214	1.007	4243.5	69	292801
3-axle	984	1.007	990.4	184	182231
4-axle	445	1.007	447.6	294	131598
5-axle	4059	1.007	4086.9	689	2815881

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2966980	3422511	17112553	34225105	51337658	68450211	136900421

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2373584	2738008	13690042	27380084	41070126	54760169	109520337

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
593396	684502	3422511	6845021	10267532	13690042	27380084

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
59340	68450	342251	684502	1026753	1369004	2738008

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
59340	68450	273801	547602	821403	1095203	2190407

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		131,900	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	17.66%				6.52%	0.90%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
131,900	8,604	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,248	1,056	712	2,588	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,248	1,056	712	2,588	8,604	Cal AADT M2.55
2049	6.52	4,998	1,242	837	3,045	10,124	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	155,200

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2499	1.009	2521.5	69	173983
3-axle	621	1.009	626.6	184	115292
4-axle	419	1.009	422.3	294	124146
5-axle	1523	1.009	1536.2	689	1058444

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1239938	1471865	7359326	14718651	22077977	29437303	58874605

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
991950	1177492	5887461	11774921	17662382	23549842	47099684

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
247988	294373	1471865	2943730	4415595	5887461	11774921

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
24799	29437	147187	294373	441560	588746	1177492

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
24799	29437	117749	235498	353248	470997	941994

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 7 (Convert HOV)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	12.5	13.0	14.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.0	10.5	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.0	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

*Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.*

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		162,960	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.27%			7.17%		0.40%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
162,960	11,685	7.17	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,333	885	402	7,066	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.17	3,333	885	402	7,066	11,685	Cal AADT PM 0.237
<b>2049</b>	7.17	3,575	949	431	7,580	12,535	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	174,810

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1788	1.004	1794.7	69	123831
3-axle	475	1.004	476.4	184	87657
4-axle	216	1.004	216.4	294	63610
5-axle	3790	1.004	3805.2	689	2621755

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2689740	2896854	14484269	28968538	43452806	57937075	115874150

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2151792	2317483	11587415	23174830	34762245	46349660	92699320

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
537948	579371	2896854	5793708	8690561	11587415	23174830

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53795	57937	289685	579371	869056	1158742	2317483

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53795	57937	231748	463497	695245	926993	1853986

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		278,300	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	13.44%			6.29%		0.70%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
278,300	17,502	6.29	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,603	1,775	802	7,323	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,603	1,775	802	7,323	17,502	Cal AADT PM L0.35
2049	6.29	8,625	2,013	909	8,307	19,855	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	315,700

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5

EA: 03-3H9000

Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4313	1.007	4342.7	69	299645
3-axle	1007	1.007	1013.5	184	186492
4-axle	455	1.007	457.7	294	134558
5-axle	4154	1.007	4182.6	689	2881794

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
3066271	3502490	17512450	35024900	52537350	70049800	140099600

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2453017	2801992	14009960	28019920	42029880	56039840	112079680

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
613254	700498	3502490	7004980	10507470	14009960	28019920

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61325	70050	350249	700498	1050747	1400996	2801992

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61325	70050	280199	560398	840598	1120797	2241594

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.5	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		141,700	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	16.73%			6.52%	0.80%	

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
141,700	9,243	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,563	1,134	764	2,780	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,563	1,134	764	2,780	9,243	Cal AADT M2.55
2049	6.52	5,327	1,324	892	3,245	10,789	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	165,400

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2664	1.008	2684.8	69	185252
3-axle	662	1.008	667.3	184	122782
4-axle	446	1.008	449.6	294	132173
5-axle	1623	1.008	1635.5	689	1126846

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1331770	1567053	7835265	15670529	23505794	31341059	62682117

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1065416	1253642	6268212	12536423	18804635	25072847	50145694

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
266354	313411	1567053	3134106	4701159	6268212	12536423

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26635	31341	156705	313411	470116	626821	1253642

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26635	31341	125364	250728	376093	501457	1002914

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alternative 8 (Add HOV with Median Ramps)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.5	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	13.0	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.5	9.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: Richards Blvd to US 50  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		162,570	0.0

## STATE HIGHWAY INVENTORY

POSTMILE: 0

DATE OF RUN 04-07-2021

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	7.58%			7.17%		0.40%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
162,570	11,659	7.17	2049

### TRUCK AADT TOTAL BY AXLE

### % TRUCK AADT BY AXLE

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
3,325	883	401	7,050	28.5	7.6	3.4	60.5

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
<b>2029</b>	7.17	3,325	883	401	7,050	11,659	Cal AADT PM 0.237
<b>2049</b>	7.17	3,577	949	431	7,585	12,543	-

Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	174,900

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	1789	1.004	1795.7	69	123900
3-axle	475	1.004	476.4	184	87657
4-axle	216	1.004	216.4	294	63610
5-axle	3793	1.004	3807.7	689	2623485

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2683621	2898652	14493262	28986524	43479786	57973048	115946097

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2146896	2318922	11594610	23189219	34783829	46378439	92756877

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
536724	579730	2898652	5797305	8695957	11594610	23189219

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53672	57973	289865	579730	869596	1159461	2318922

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
53672	57973	231892	463784	695677	927569	1855138

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	14.5	-	-	-
Two	14.5	14.5	-	-
Three	12.0	14.0	14.0	-
Four	12.0	14.0	14.0	14.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: Richards Blvd to US 50  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.0	13.0	13.5	14.0	15.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.0	11.0	11.5	12.0	13.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.0	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.0	8.5	9.0	9.5

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: US 50: I-80 to I-5  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Sacramento  
 Highway: US-50

## 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		277,500	0.0

## STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	13.77%				6.29%	0.70%

## 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
277,500	17,452	6.29	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
7,581	1,770	799	7,302	43.4	10.1	4.6	41.8

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.29	7,581	1,770	799	7,302	17,452	Cal AADT PM L0.35
2049	6.29	8,625	2,013	909	8,307	19,854	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

## TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	315,700

## ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling



# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	4313	1.007	4342.7	69	299645
3-axle	1007	1.007	1013.5	184	186492
4-axle	455	1.007	457.7	294	134558
5-axle	4154	1.007	4182.6	689	2881794

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
3057377	3502490	17512450	35024900	52537350	70049800	140099600

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
2445901	2801992	14009960	28019920	42029880	56039840	112079680

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
611475	700498	3502490	7004980	10507470	14009960	28019920

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61148	70050	350249	700498	1050747	1400996	2801992

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2049 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
61148	70050	280199	560398	840598	1120797	2241594

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	15.0	-	-	-
Two	15.0	15.0	-	-
Three	12.5	14.5	14.5	-
Four	12.5	14.5	14.5	14.5

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: US 50: I-80 to I-5  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.5	10.5	12.5	13.5	14.5	15.0	16.0
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
10.0	10.0	12.5	13.5	14.0	14.5	16.0
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
8.5	8.5	10.5	11.5	12.0	12.5	13.5
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	8.0	8.5	9.0	9.5	10.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.5	6.5	7.5	8.5	9.0	9.0	10.0

Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# DESIGN DESIGNATION & TRAFFIC INDEX

Project Location: I-80: US 50 to West El Camino Ave  
 Request By: David Stanek (Fehr & Peers)  
 Calc By: Junren Liao (W&S)  
 Chk By: Jia Hao Wu (W&S)  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000  
 Date: 04-07-2021  
 EFIS: 0318000085  
 County: Yolo  
 Highway: I-80

### 2029 TRAFFIC VOLUMES ON CA STATE HWYS

Peak Hour	ADT		% DHV
	Pk. Mo.	Annual	
0		140,300	0.0

### STATE HIGHWAY INVENTORY

Existing Facility	2029-2049 FAC	DESIGN HOUR		TRUCKS		GROWTH RATE
		%ADT	% DIR	% DH	% ADT	
	16.96%			6.52%	0.80%	

### 2029 ANNUAL AVERAGE DAILY TRUCK TRAFFIC ON CA STATE HWYS

VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	PROJECT YR COMPLETION
140,300	9,147	6.52	2049

TRUCK AADT TOTAL BY AXLE				% TRUCK AADT BY AXLE			
2	3	4	5+	2	3	4	5+
4,516	1,122	756	2,752	49.4	12.3	8.3	30.1

YEAR	TRUCK %	2-AXLE	3-AXLE	4-AXLE	5+ AXLE	TOTAL	SOURCE
2029	6.52	4,516	1,122	756	2,751	9,147	Cal AADT M2.55
2049	6.52	5,282	1,313	885	3,218	10,699	-

*Note: Inconsistent AADT between the Truck & Vols Book, & % Trucks between the SHI & Truck Book can produce different truck vols.*

### TRAFFIC FORECAST VOLUMES

Year	Peak Hour	ADT	
		Pk. Mo.	Annual
2049	0	0	164,100

### ADDITIONAL REQUESTED TRAFFIC FORECAST VOLUMES

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Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000

Truck Category	2049 ADT (One-way)	Expansion Factor	Expanded ADT	Annual ESAL Constants	Annual ESAL
2-axle	2641	1.008	2662.1	69	183687
3-axle	657	1.008	661.8	184	121762
4-axle	443	1.008	446.0	294	131136
5-axle	1609	1.008	1621.9	689	1117470

100% ADT						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1317878	1554055	7770274	15540548	23310822	31081095	62162191

80% ADT (OUTSIDE LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
1054302	1243244	6216219	12432438	18648657	24864876	49729753

20% ADT (MEDIAN LANES)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
263576	310811	1554055	3108110	4662164	6216219	12432438

2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26358	31081	155405	310811	466216	621622	1243244

2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 ESAL	2030 ESAL	5-YR ESAL	10-YR ESAL	15-YR ESAL	20-YR ESAL	YR's ESAL
26358	31081	124324	248649	372973	497298	994595

Number of Lanes in One Direction	20 Year Traffic Index Lane Distribution			
	Lane 1	Lane 2	Lane 3	Lane 4
One	13.5	-	-	-
Two	13.5	13.5	-	-
Three	11.0	13.0	13.0	-
Four	11.0	13.0	13.0	13.0

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

# TRAFFIC INDEX

Proj. Loc.: I-80: US 50 to West El Camino Ave  
 Proj. Alt.: Alt 9 (Add HOV no Ent)

EA: 03-3H9000

100% ADT						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.5	9.5	11.5	12.5	13.0	13.5	14.5
80% ADT (OUTSIDE LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
9.0	9.0	11.0	12.0	12.5	13.0	14.5
20% ADT (MEDIAN LANES)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
7.5	8.0	9.5	10.5	11.0	11.0	12.0
2% ESAL (100% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	8.0	8.0	8.5	9.0
2% ESAL (80% ADT) (SHOULDER TRAFFIC)						40
2029 TI	2030 TI	5-YR TI	10-YR TI	15-YR TI	20-YR TI	YR's TI
6.0	6.0	7.0	7.5	8.0	8.5	9.0

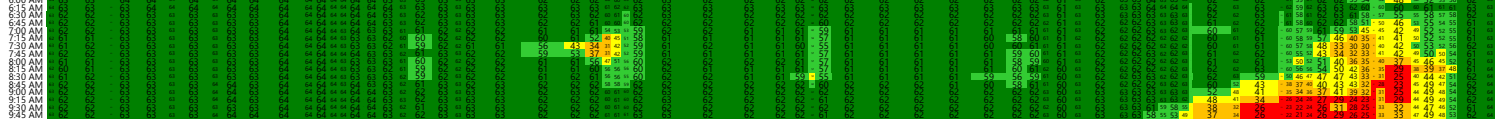
Number of Lanes in One Direction	Lane Distribution Factors for Multilane Highways - Factors to be applied to AADTT			
	Mixed Flow Lanes (See Notes 1,2,3 & 4)			
	Lane 1	Lane 2	Lane 3	Lane 4
One	1.0			
Two	1.0	1.0		
Three	0.2	0.8	0.8	
Four	0.2	0.8	0.8	0.8

Note: 1. Lane 1 is next to the center line or median.  
 2. For more than four lanes in one direction, use a factor of 0.8 for the outer two lanes and any collector lanes and a factor of 0.2 for all other lanes.

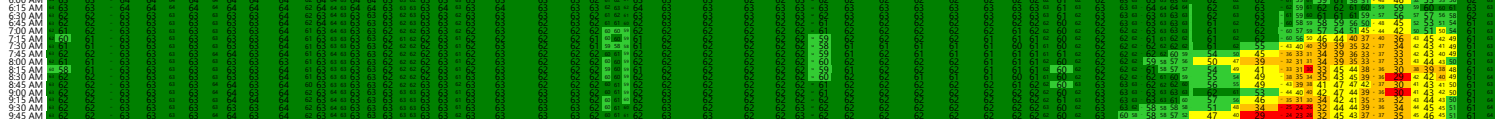
Developed by: CalTrans, District 3, Division of Transportation Planning, Office of Travel Forecasting & Modeling

**Appendix I:**  
**Opening Year 2029**  
**Operations Analysis Results**

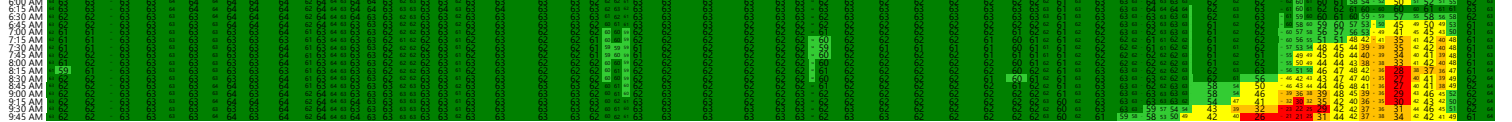
Alternative 1 (No Build)



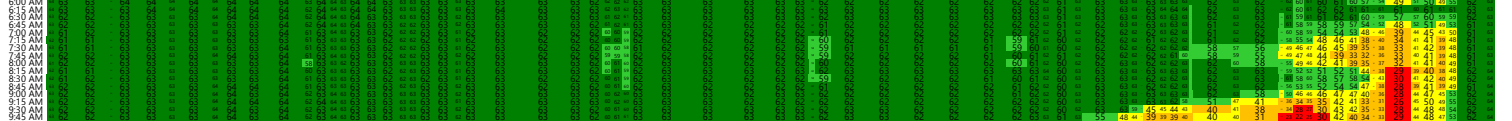
Alternative 2 (Add HOV)



Alternative 3 (Add HOT2+)



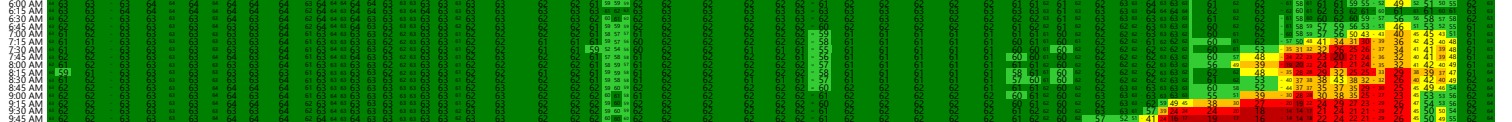
Alternative 4 (Add HOT3+)



Alternative 5 (Add Toll)



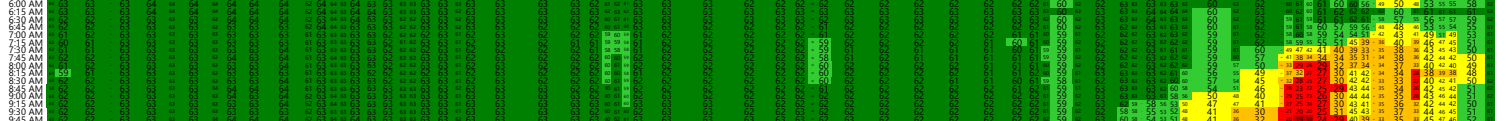
Alternative 6 (Add Transit)



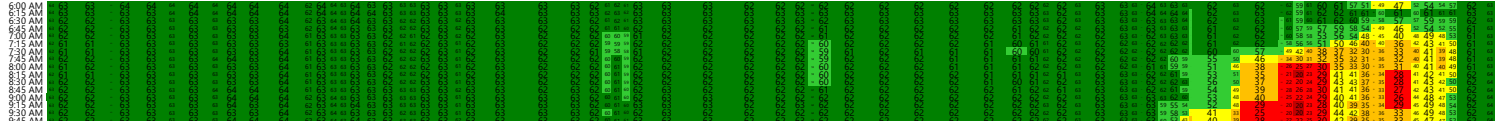
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)

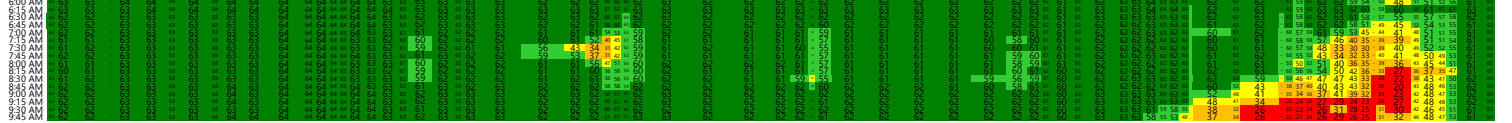


Pedrick Rd On	Kidwell Rd Off	Kidwell Rd On	SR 113 Off	Old Davis Rd Off	SR 113 On	Old Davis Rd On	Richards Blvd Off	Richards Blvd On	Mace Blvd Off	Mace Blvd SE On	Mace Blvd NB On	County Rd 328 Off	County Rd 328 On	Enterprise Blvd Off	Enterprise Blvd On	I-80 Off	I-80 On	Harbor Blvd Off	Harbor Blvd On	Jefferson Blvd Off	Jefferson Blvd On	SR River Rd On	I-5 Off	I-5 On	15th St Off	15th St On	11th St On	16th St On	SR 5799 Off
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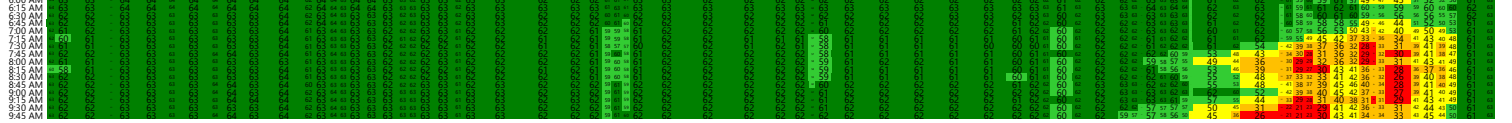
VISSIM Post-Processor  
Average Link Speed for General Purpose Lanes  
I-80 Eastbound/US 50 Eastbound

I-80/US 50 Managed Lanes  
Opening Year 2029 Eastbound  
AM Peak Period

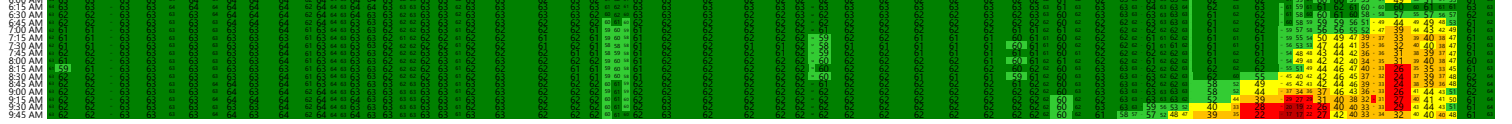
Alternative 1 (No Build)



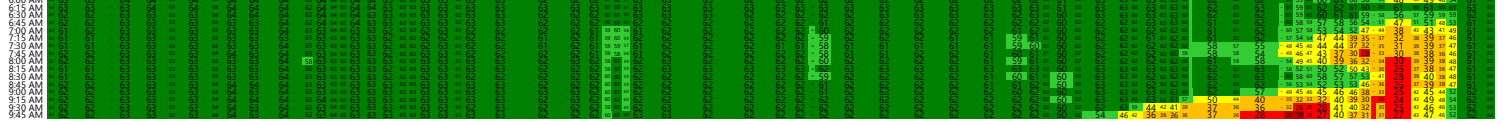
Alternative 2 (Add HOV)



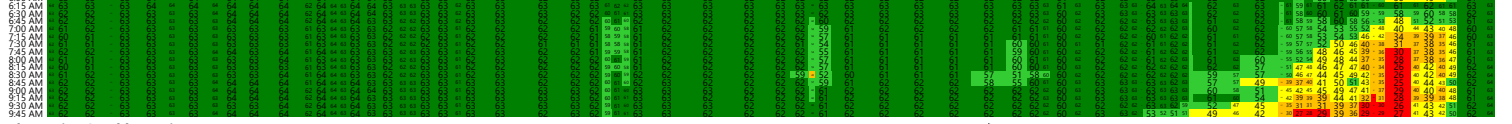
Alternative 3 (Add HOT2+)



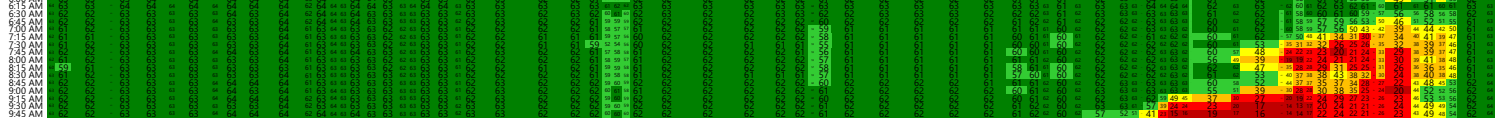
Alternative 4 (Add HOT3+)



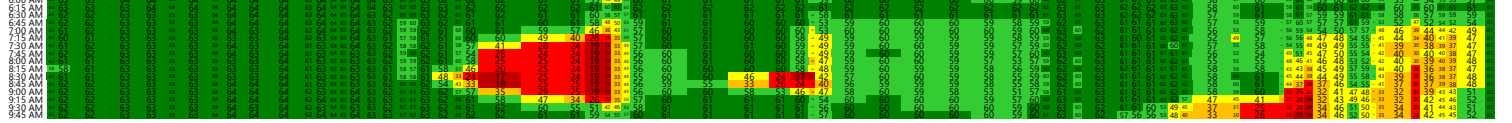
Alternative 5 (Add Toll)



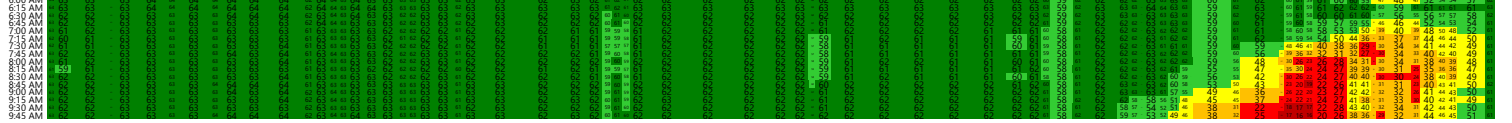
Alternative 6 (Add Transit)



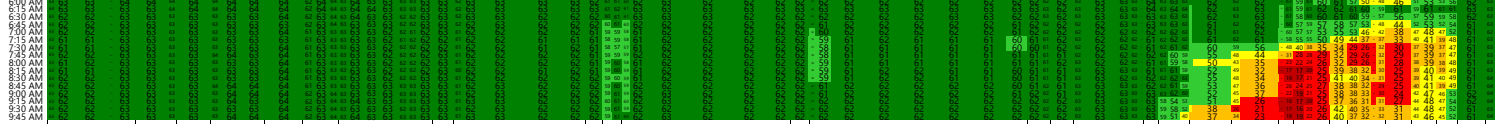
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



Pedrick Rd On	Kidwell Rd Off	Kidwell Rd On	SR 113 Off	Old Davis Rd Off	SR 113 On	Old Davis Rd On	Richards Blvd Off	Richards Blvd On	Mace Blvd Off	Mace Blvd SE On	Mace Blvd NB On	County Rd 328 Off	County Rd 328 On	Enterprise Blvd Off	Enterprise Blvd On	I-80 Off	I-80 On	Harbor Blvd Off	Harbor Blvd On	Jefferson Blvd Off	Jefferson Blvd On	SR River Rd On	I-5 Off	5th St Off	I-5 On	15th St Off	11th St On	16th St On	SR S/99 Off
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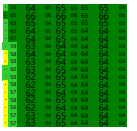
VISSIM Post-Processor  
Average Link Speed for Managed Lanes  
I-80 Eastbound/US 50 Eastbound

I-80/US 50 Managed Lanes  
Opening Year 2029 Eastbound  
AM Peak Period

Alternative 1 (No Build)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

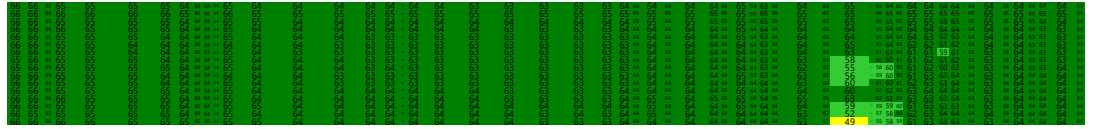
Direction of Travel



Alternative 2 (Add HOV)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

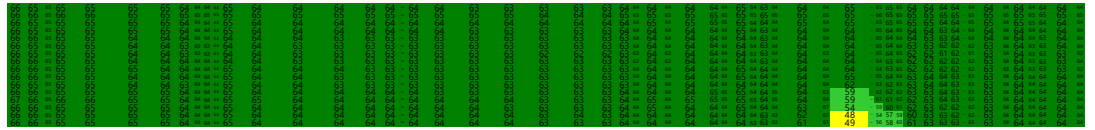
Direction of Travel



Alternative 3 (Add HOT2+)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

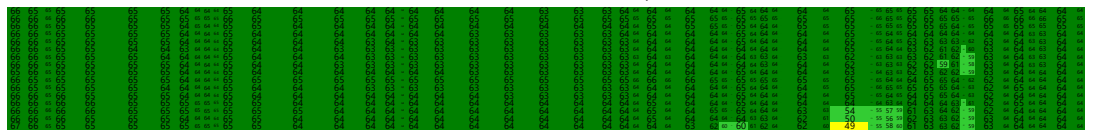
Direction of Travel



Alternative 4 (Add HOT3+)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

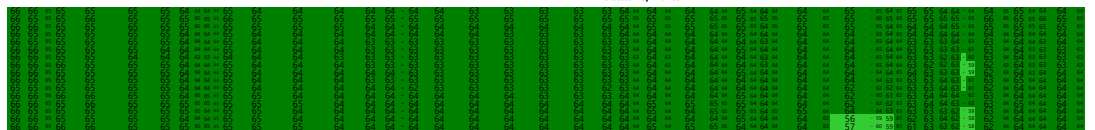
Direction of Travel



Alternative 5 (Add Toll)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

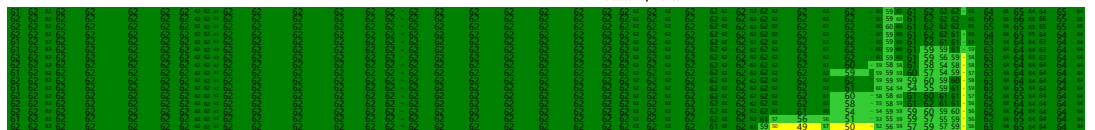
Direction of Travel



Alternative 6 (Add Transit)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

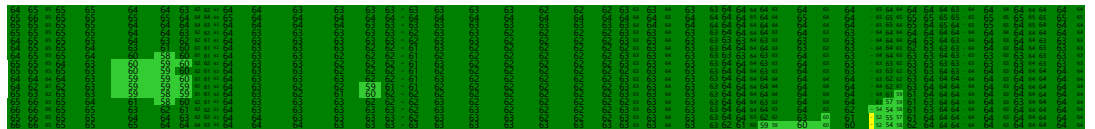
Direction of Travel



Alternative 7 (Convert HOV)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

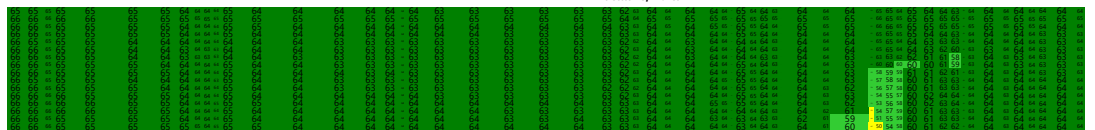
Direction of Travel



Alternative 8 (Add HOV with Median Ramps)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

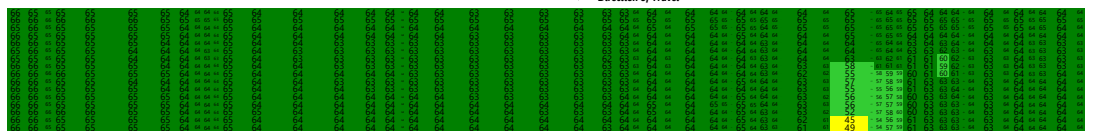
Direction of Travel



Alternative 9 (Add HOV no Enterprise Crossing)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

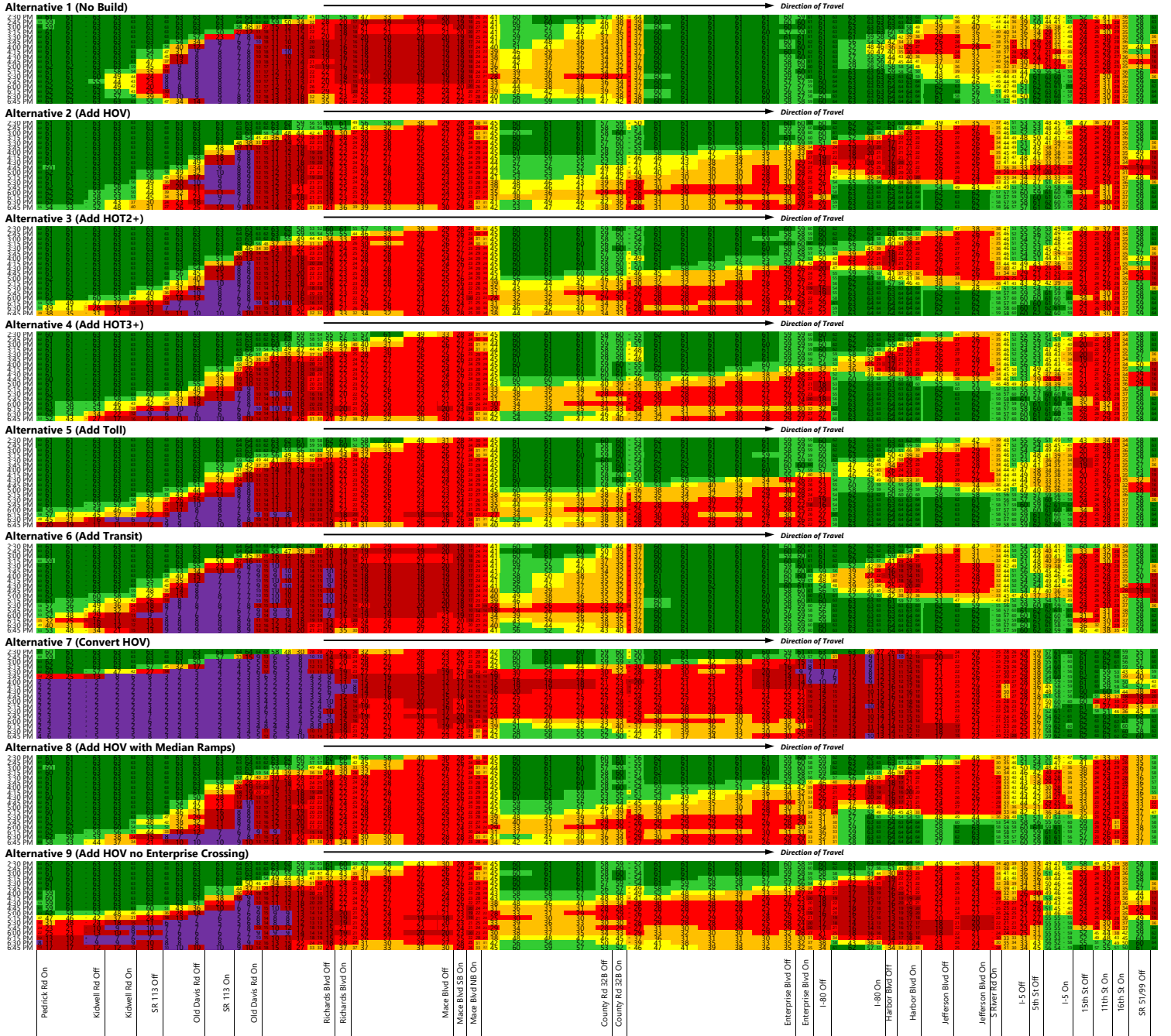
Direction of Travel

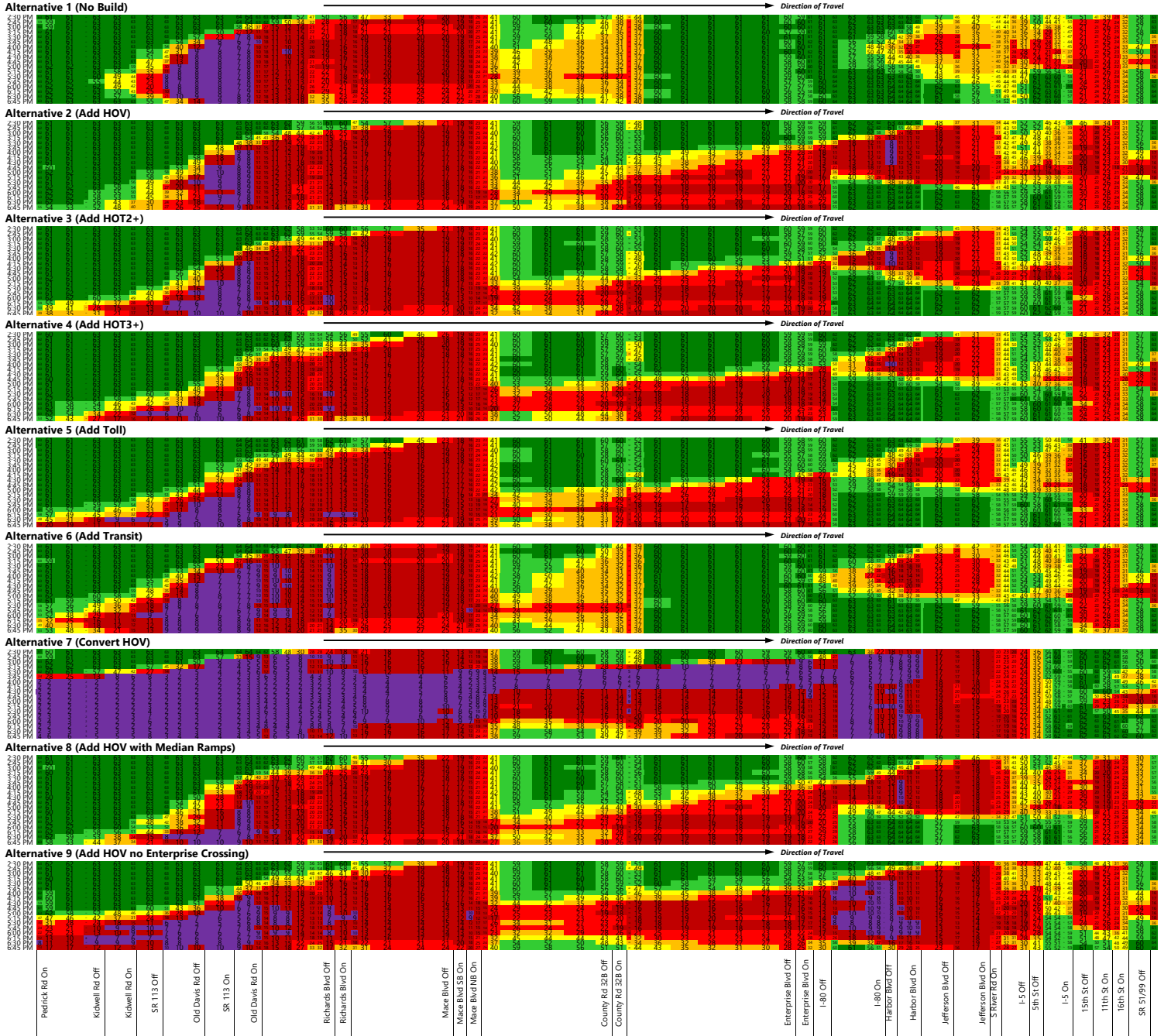


Pedrick Rd On  
Kidwell Rd Off  
Kidwell Rd On  
SR 113 Off  
Old Davis Rd Off  
SR 113 On  
Old Davis Rd On

Richards Blvd Off  
Richards Blvd On  
Mace Blvd Off  
Mace Blvd SE On  
Mace Blvd NB On  
County Rd 328 Off  
County Rd 328 On

Enterprise Blvd Off  
Enterprise Blvd On  
I-80 Off  
I-80 On  
Harbor Blvd Off  
Harbor Blvd On  
Jefferson Blvd Off  
Jefferson Blvd On  
SR River Rd On  
I-5 Off  
5th St Off  
I-5 On  
15th St Off  
11th St On  
16th St On  
SR 5799 Off

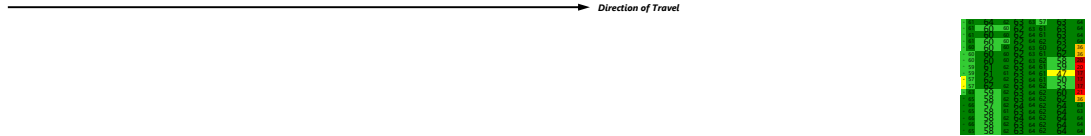




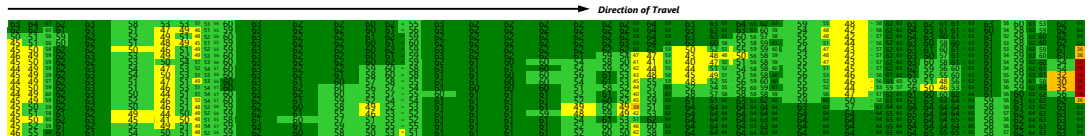
VISSIM Post-Processor  
Average Link Speed for Managed Lanes  
I-80 Eastbound/US 50 Eastbound

I-80/US 50 Managed Lanes  
Opening Year 2029 Eastbound  
PM Peak Period

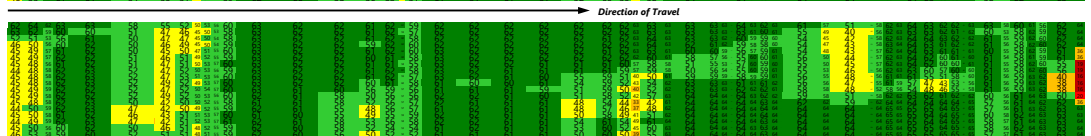
Alternative 1 (No Build)



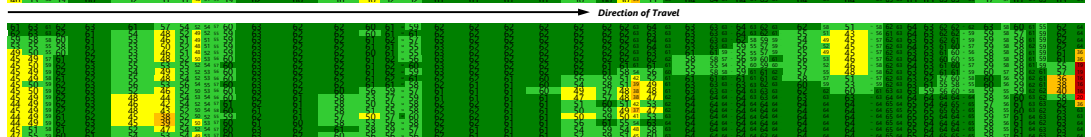
Alternative 2 (Add HOV)



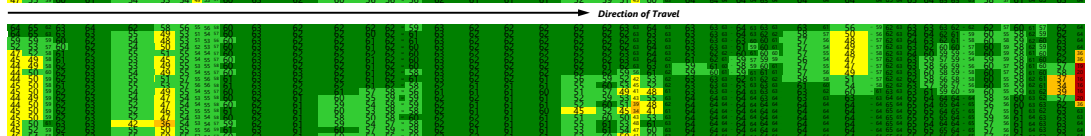
Alternative 3 (Add HOT2+)



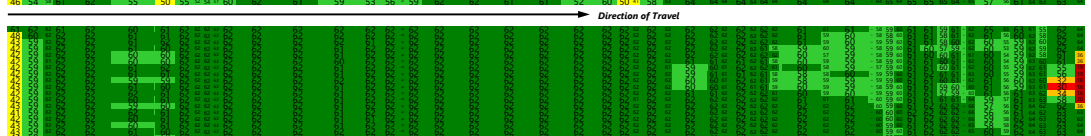
Alternative 4 (Add HOT3+)



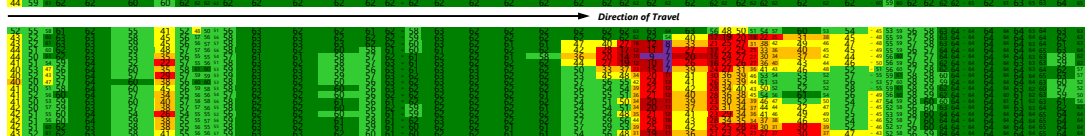
Alternative 5 (Add Toll)



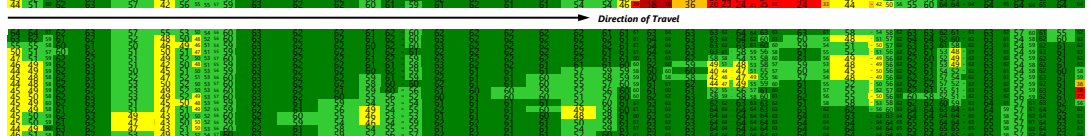
Alternative 6 (Add Transit)



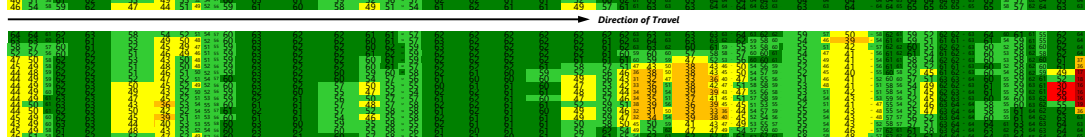
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



Pedrick Rd On
Kidwell Rd Off
Kidwell Rd On
SR 113 Off
Old Davis Rd Off
SR 113 On
Old Davis Rd On

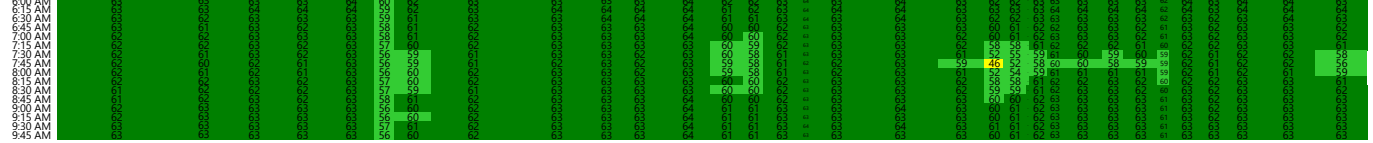
Richards Blvd Off
Richards Blvd On
Mace Blvd Off
Mace Blvd SB On
Mace Blvd NB On
County Rd 328 Off
County Rd 328 On
Enterprise Blvd Off
Enterprise Blvd On
I-80 Off
I-80 On
Harbor Blvd Off
Harbor Blvd On
Jefferson Blvd Off
Jefferson Blvd On
S. River Rd On
I-5 Off
I-5 On
15th St Off
11th St On
16th St On
SR 51/99 Off



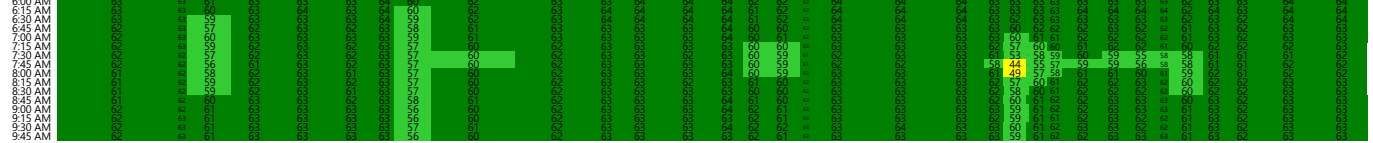
**VISSIM Post-Processor**  
**Average Link Speed**  
**I-80 Eastbound**

**I-80/US 50 Managed Lanes**  
**Opening Year 2029 Eastbound**  
**AM Peak Period**

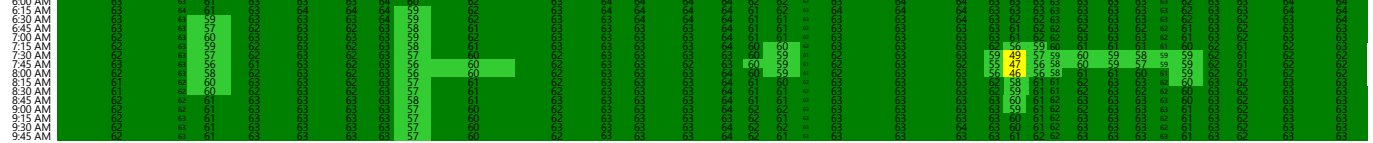
**Alternative 1 (No Build)**



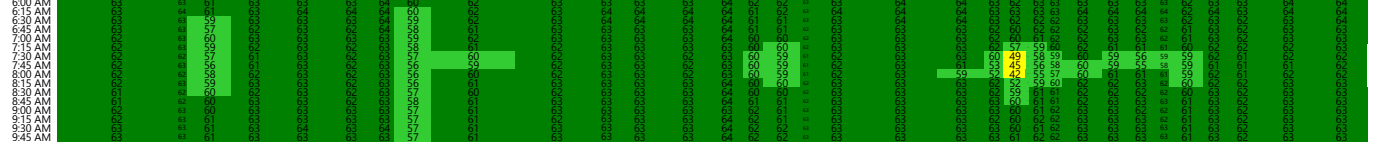
**Alternative 2 (Add HOV)**



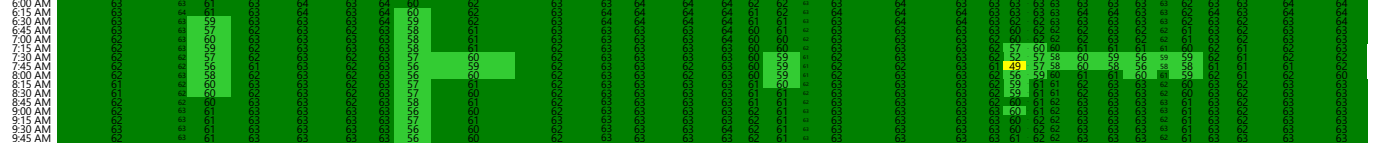
**Alternative 3 (Add HOT2+)**



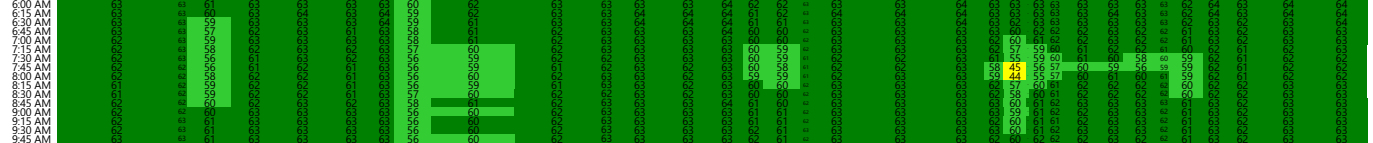
**Alternative 4 (Add HOT3+)**



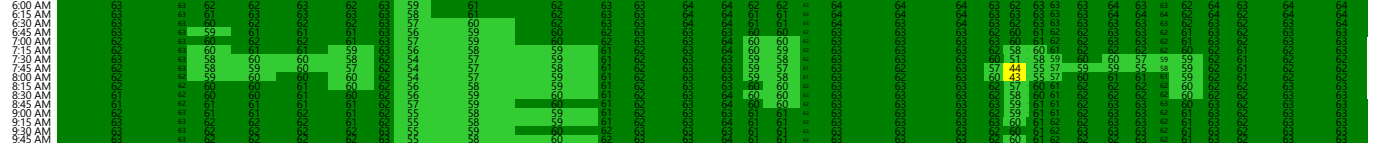
**Alternative 5 (Add Toll)**



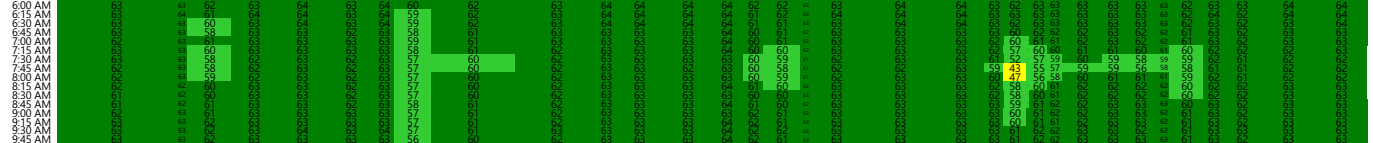
**Alternative 6 (Add Transit)**



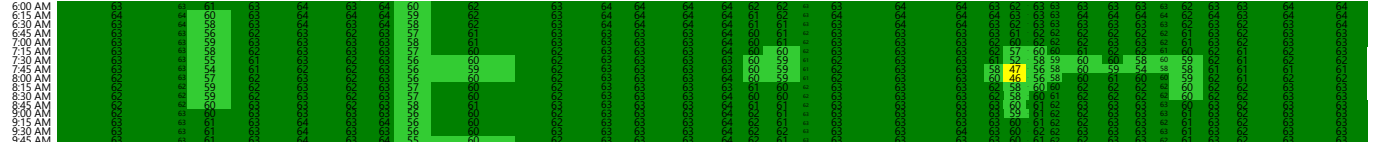
**Alternative 7 (Convert HOV)**



**Alternative 8 (Add HOV with Median Ramps)**



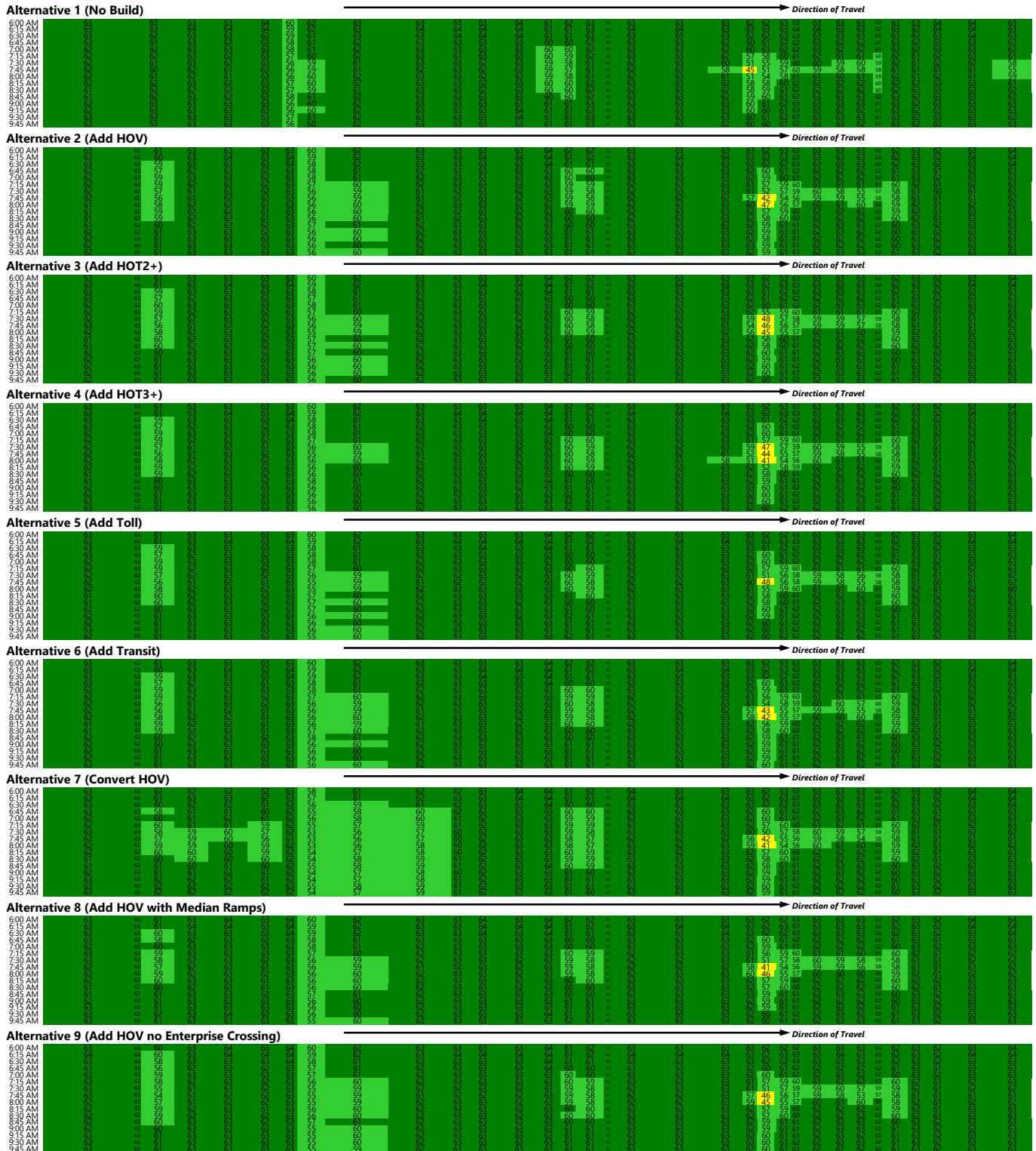
**Alternative 9 (Add HOV no Enterprise Crossing)**



US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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VISSIM Post-Processor  
Average Link Speed for General Purpose Lanes  
I-80 Eastbound

I-80/US 50 Managed Lanes  
Opening Year 2029 Eastbound  
AM Peak Period

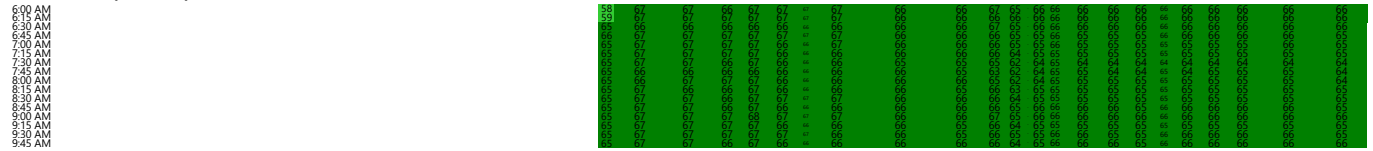


US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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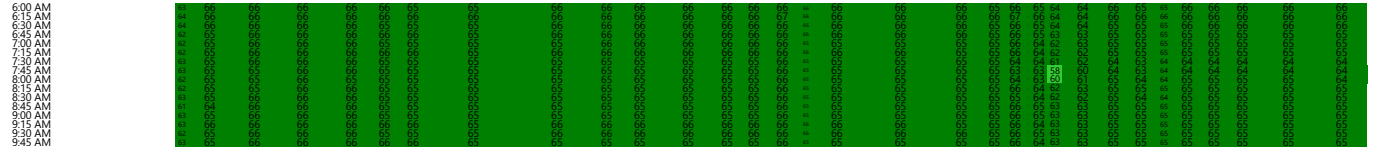
**VISSIM Post-Processor**  
**Average Link Speed for Managed Lanes**  
**I-80 Eastbound**

**I-80/US 50 Managed Lanes**  
**Opening Year 2029 Eastbound**  
**AM Peak Period**

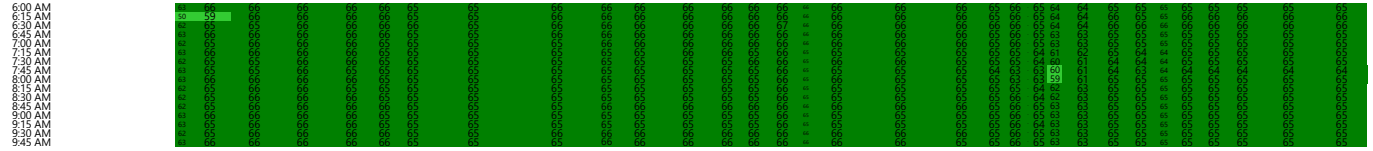
**Alternative 1 (No Build)**



**Alternative 2 (Add HOV)**



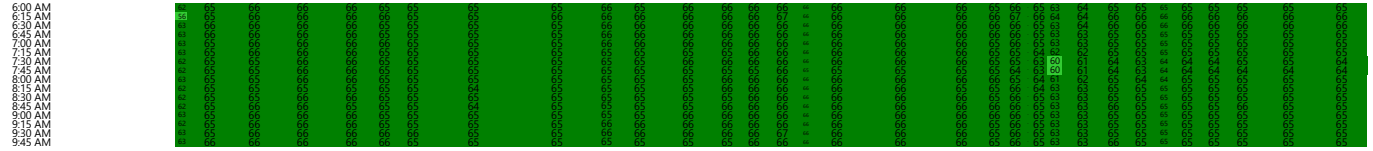
**Alternative 3 (Add HOT2+)**



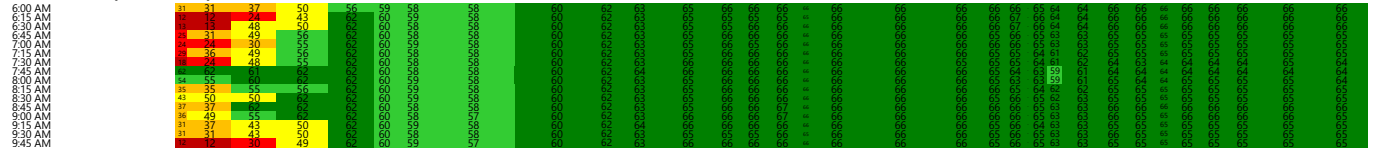
**Alternative 4 (Add HOT3+)**



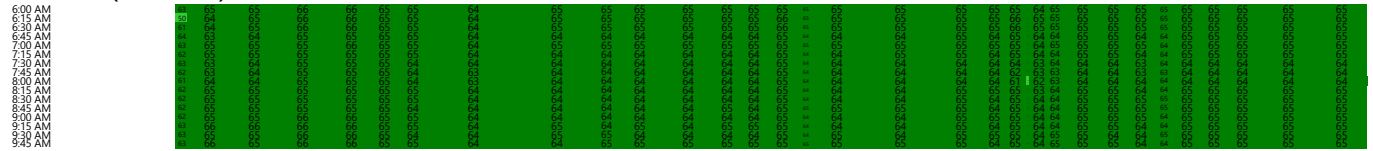
**Alternative 5 (Add Toll)**



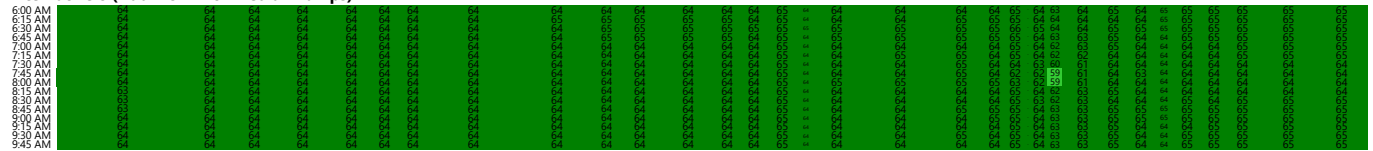
**Alternative 6 (Add Transit)**



**Alternative 7 (Convert HOV)**



**Alternative 8 (Add HOV with Median Ramps)**

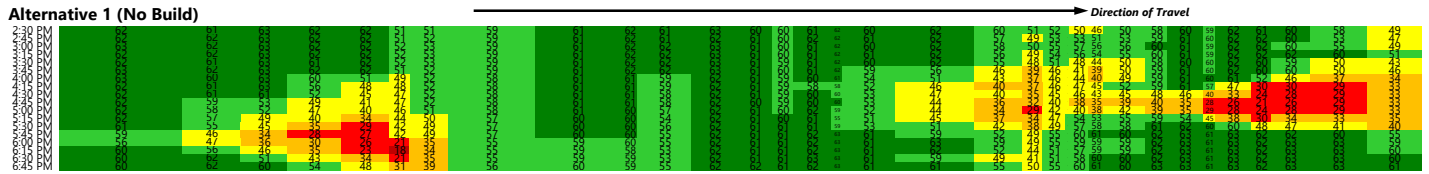


**Alternative 9 (Add HOV no Enterprise Crossing)**

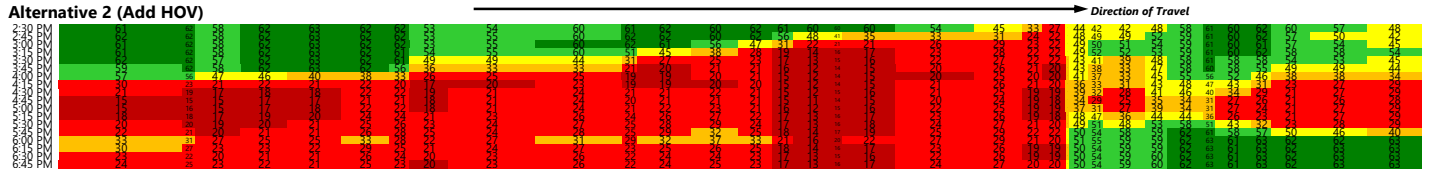


US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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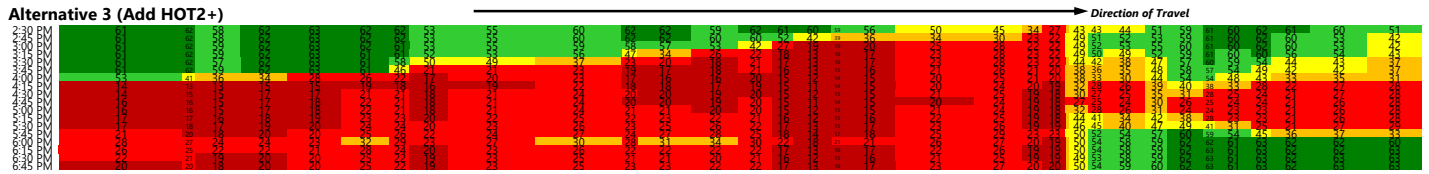
Alternative 1 (No Build)



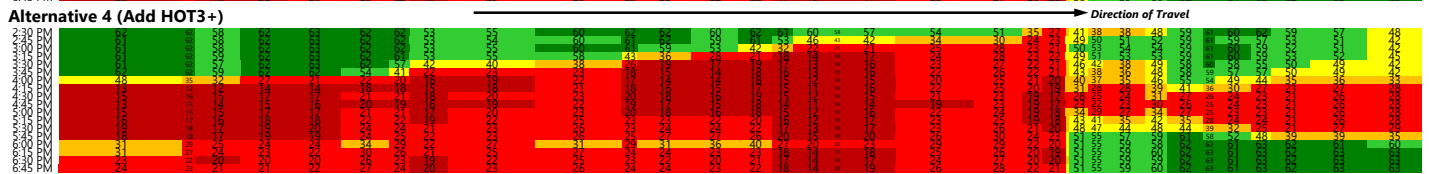
Alternative 2 (Add HOV)



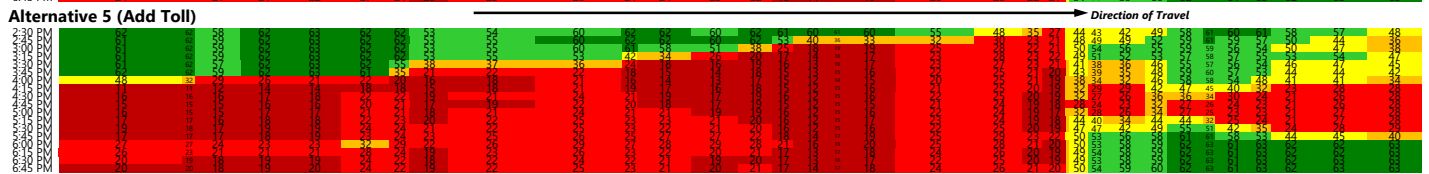
Alternative 3 (Add HOT2+)



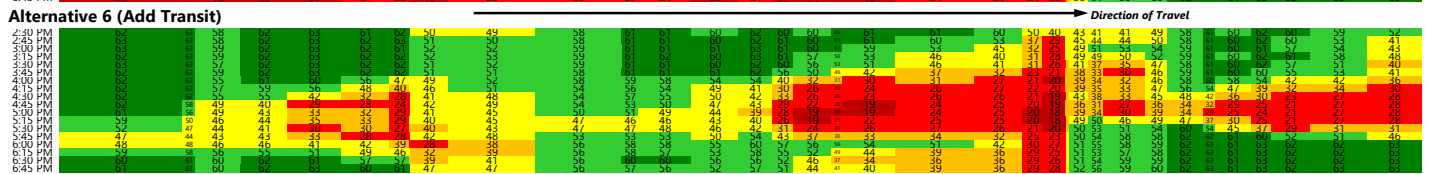
Alternative 4 (Add HOT3+)



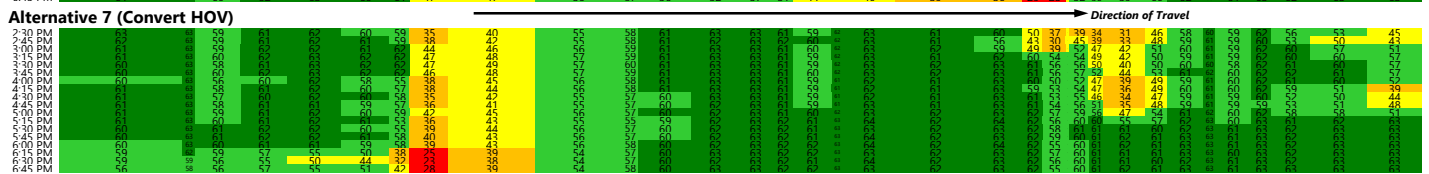
Alternative 5 (Add Toll)



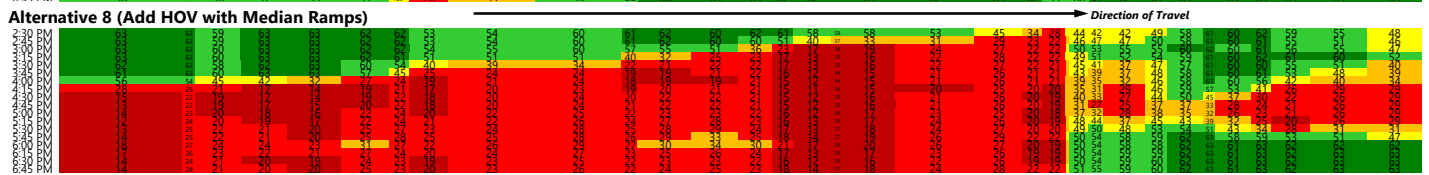
Alternative 6 (Add Transit)



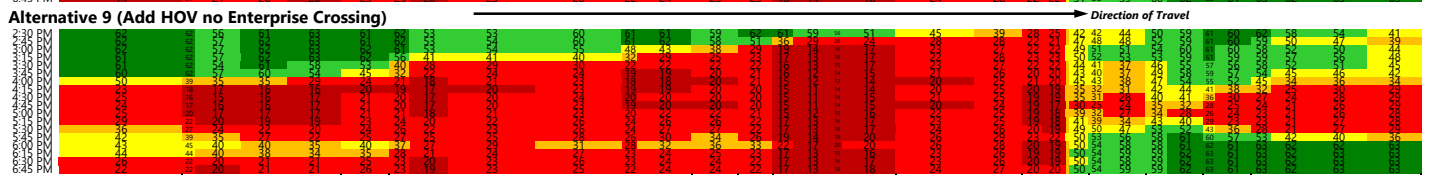
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



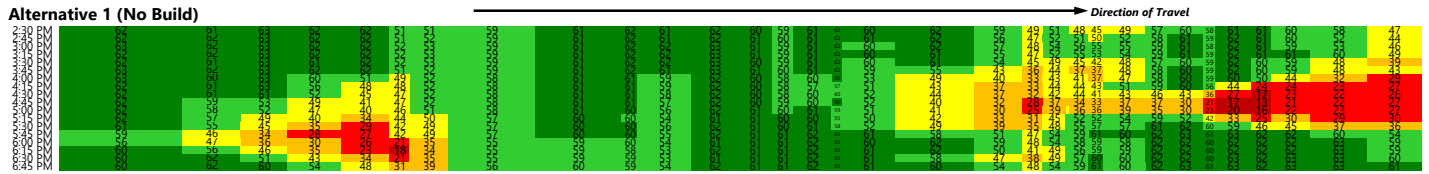
Alternative 9 (Add HOV no Enterprise Crossing)



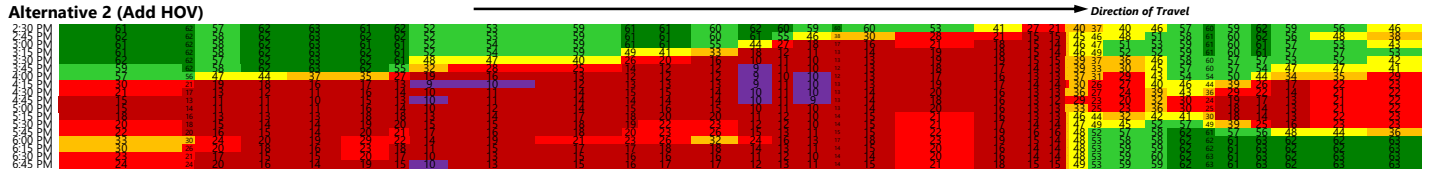
US 50 On	Reef Ave Off	Reef Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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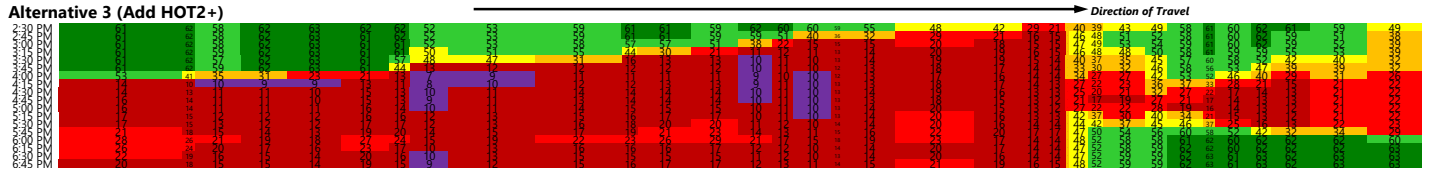
Alternative 1 (No Build)



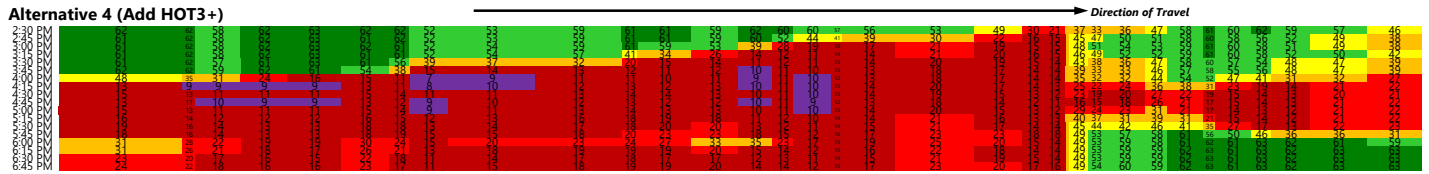
Alternative 2 (Add HOV)



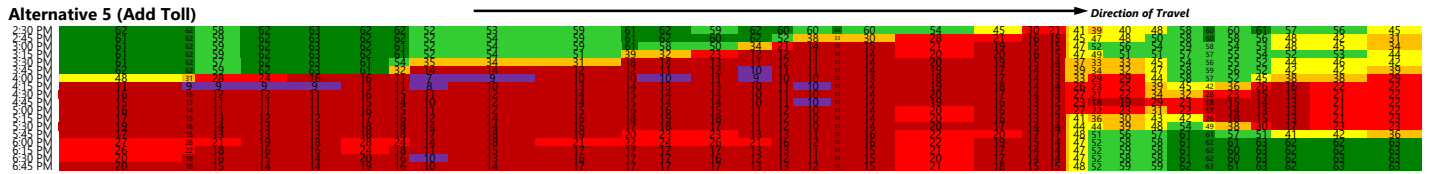
Alternative 3 (Add HOT2+)



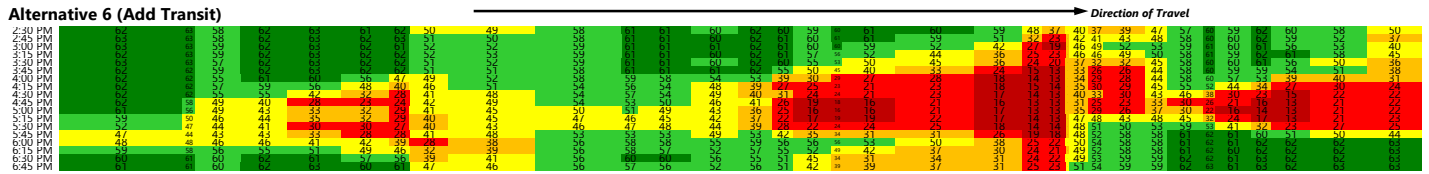
Alternative 4 (Add HOT3+)



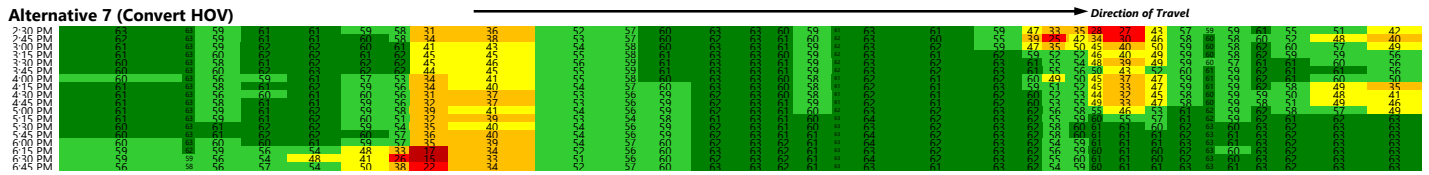
Alternative 5 (Add Toll)



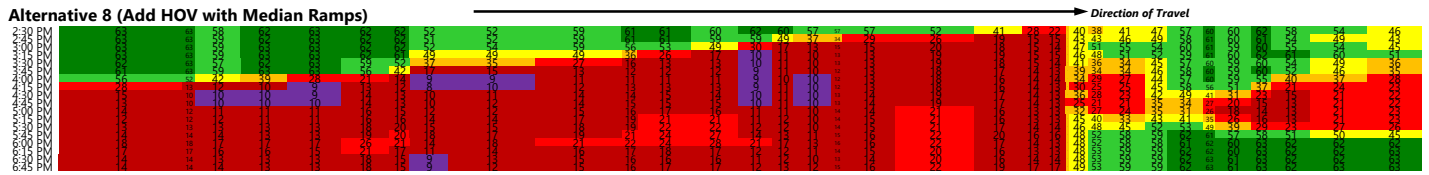
Alternative 6 (Add Transit)



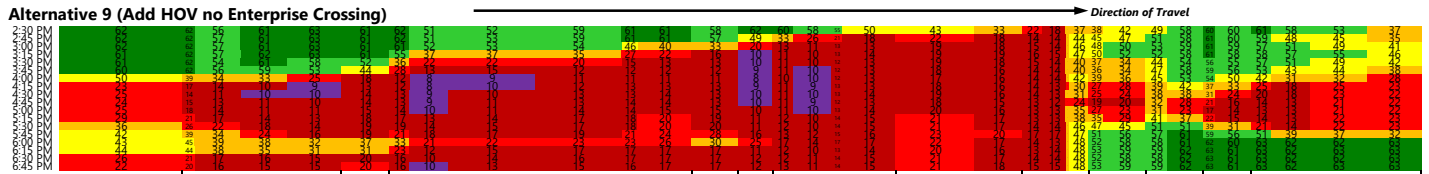
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



US 50 On	Reef Ave Off	Reef Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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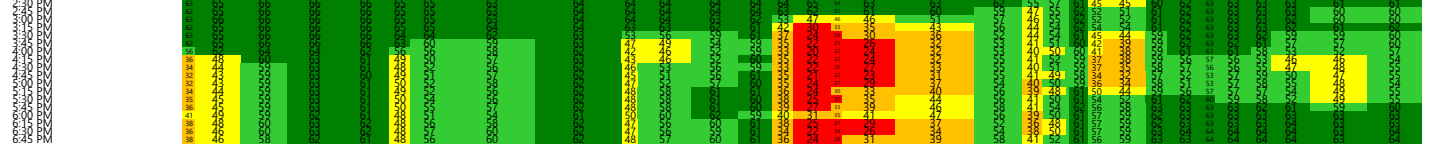
VISSIM Post-Processor  
Average Link Speed for Managed Lanes  
I-80 Eastbound

I-80/US 50 Managed Lanes  
Opening Year 2029 Eastbound  
PM Peak Period

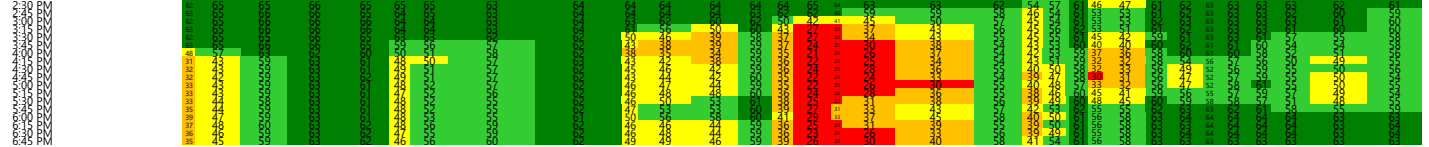
Alternative 1 (No Build)



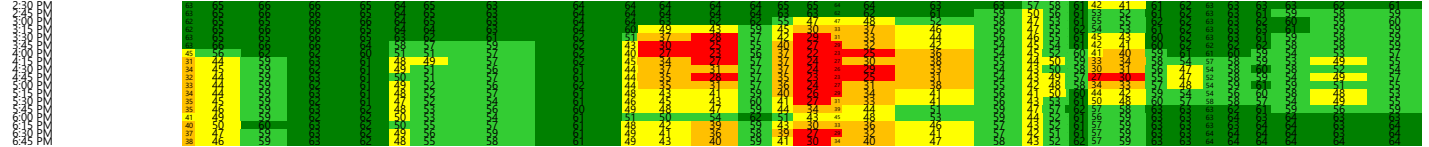
Alternative 2 (Add HOV)



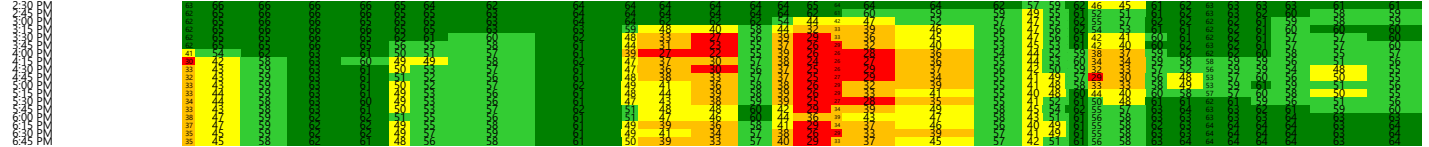
Alternative 3 (Add HOT2+)



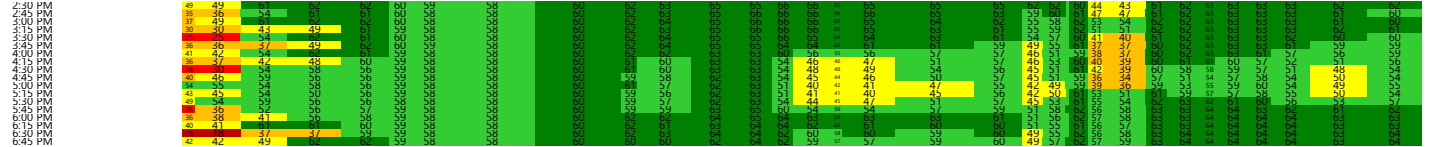
Alternative 4 (Add HOT3+)



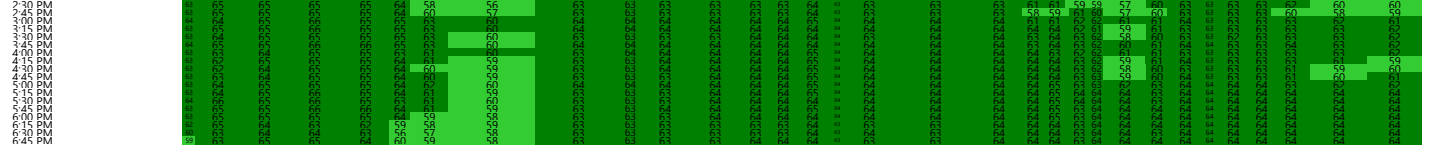
Alternative 5 (Add Toll)



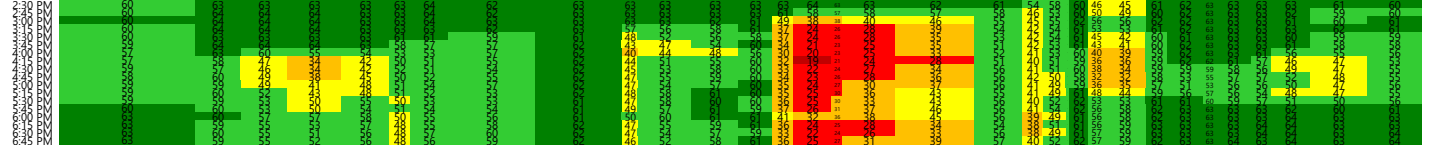
Alternative 6 (Add Transit)



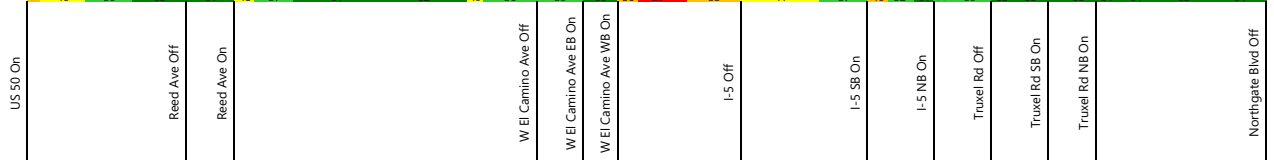
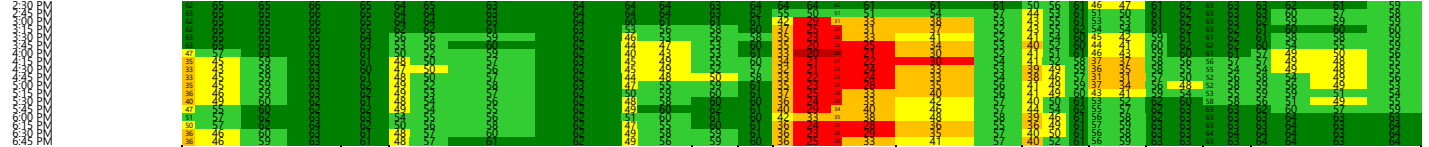
Alternative 7 (Convert HOV)



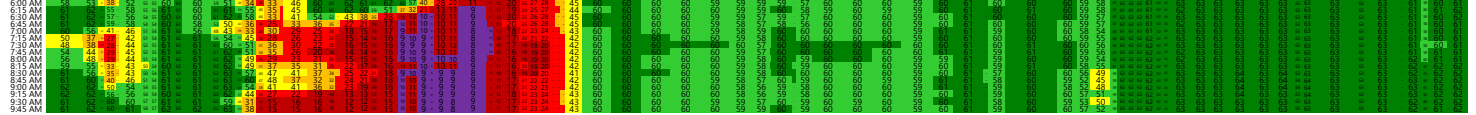
Alternative 8 (Add HOV with Median Ramps)



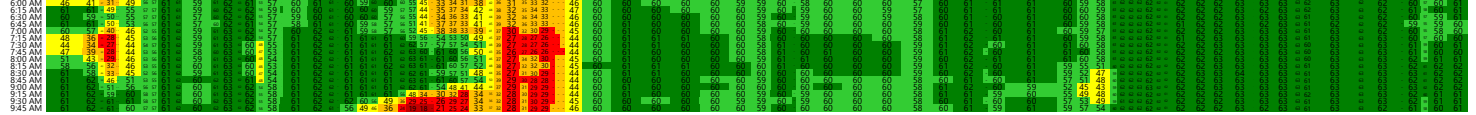
Alternative 9 (Add HOV no Enterprise Crossing)



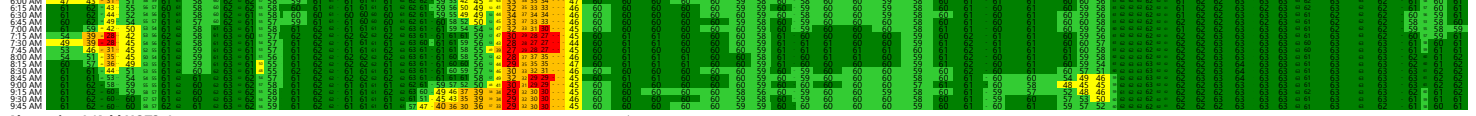
Alternative 1 (No Build)



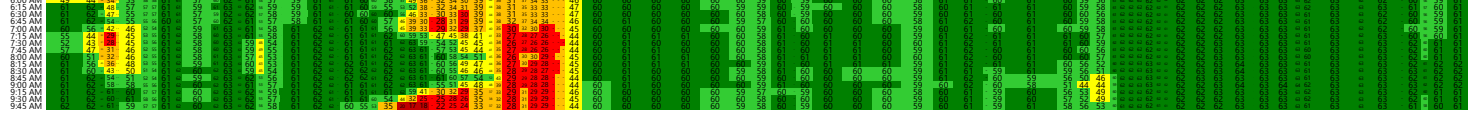
Alternative 2 (Add HOV)



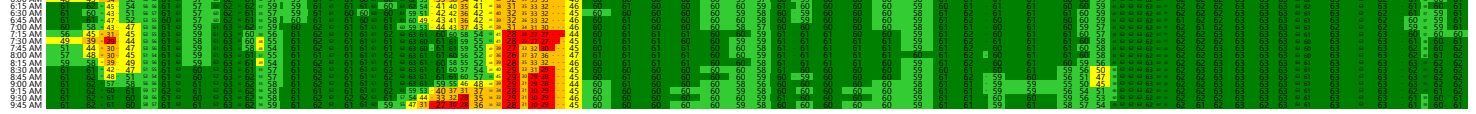
Alternative 3 (Add HOT2+)



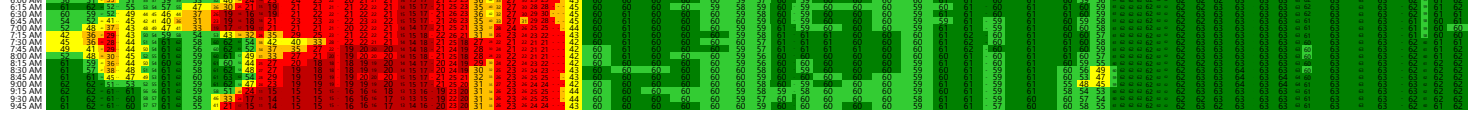
Alternative 4 (Add HOT3+)



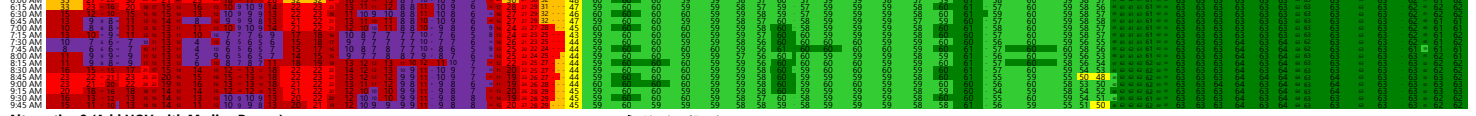
Alternative 5 (Add Toll)



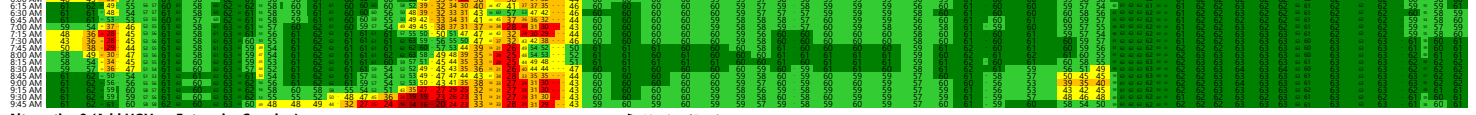
Alternative 6 (Add Transit)



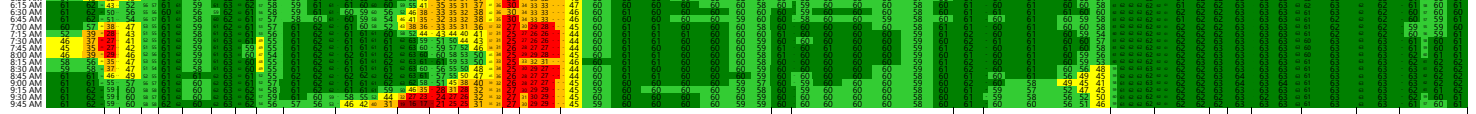
Alternative 7 (Convert HOV)



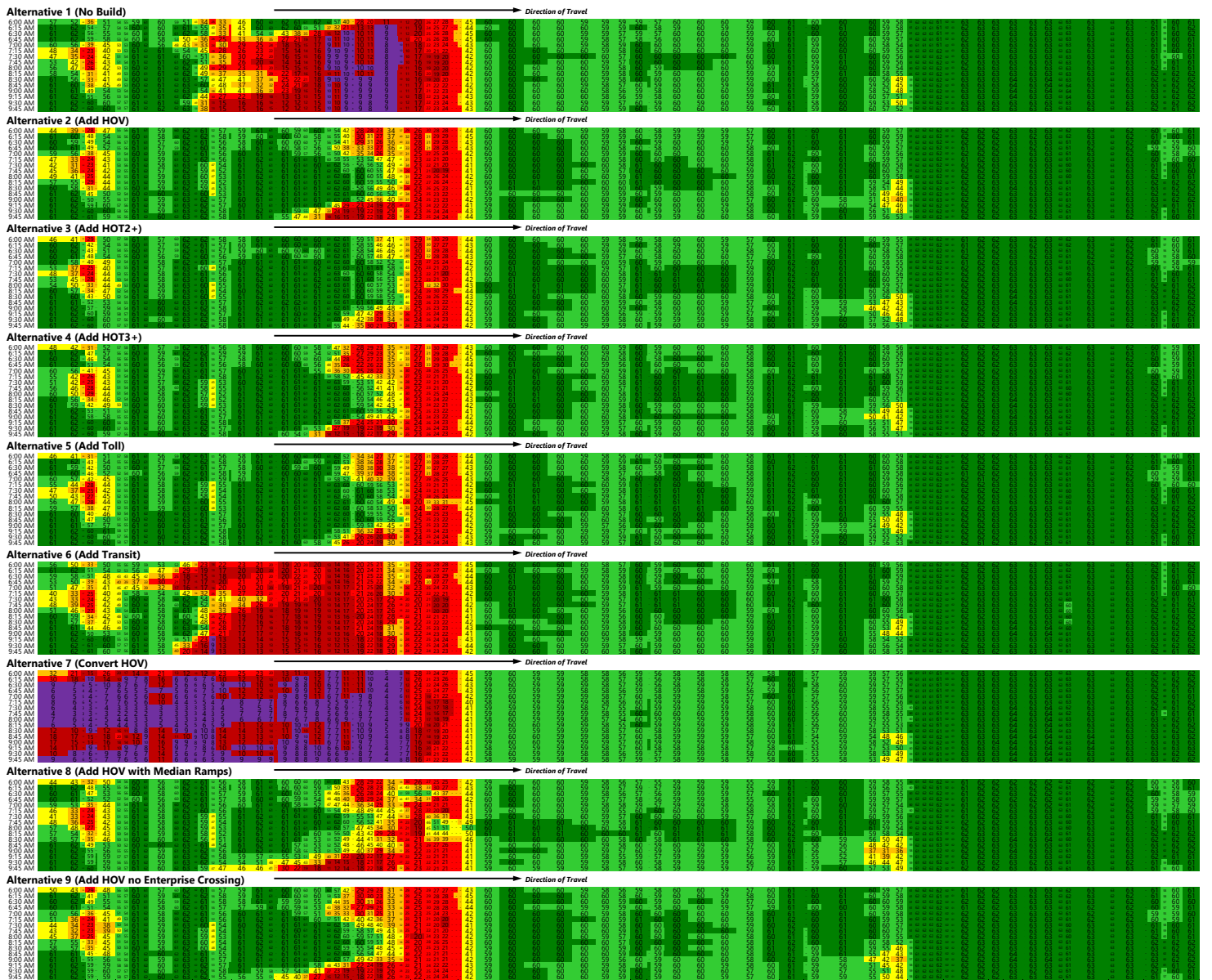
Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



SR 98 On	SR 51 On	16th St Off	10th St Off	15th St On	I-5 Off	5th St On	I-5 On	Jefferson Blvd Off	Lower storage roadway On	Harbor Blvd Off	Harbor Blvd SB On	I-80 Off	I-80 On	W Capitol Ave Off	W Capitol Ave WB On	County Rd 32A Off	County Rd 32A On	Mace Blvd Off	Mace Blvd On	W	Richards Blvd Off	Richards Blvd On	Old Dawe Rd Off	SR 113 Off	Old Dawe Rd On	SR 113 On	Kidwell Rd Off	Kidwell Rd On	Pedrick Rd Off
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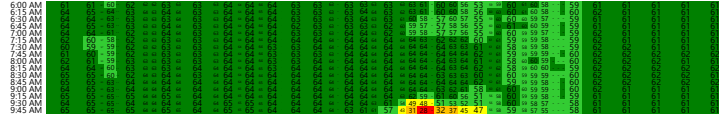
SR 98 On	SR 51 On	16th St Off	10th St Off	15th St On	I-5 Off	5th St On	I-5 On	Jefferson Blvd Off	Lower storage roadway On	Harbor Blvd Off	Harbor Blvd SB On	I-80 Off	I-80 On	W Capitol Ave Off	W Capitol Ave WB On	County Rd 32A Off	County Rd 32A On	Mace Blvd Off	Mace Blvd On	W Capitol Ave Off	Richards Blvd Off	Richards Blvd On	Old Dawe Rd Off	SR 113 Off	Old Dawe Rd On	SR 113 On	Kidwell Rd Off	Kidwell Rd On	Pedrick Rd Off
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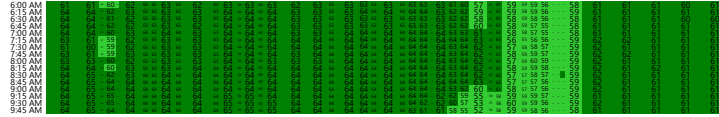
Alternative 1 (No Build)



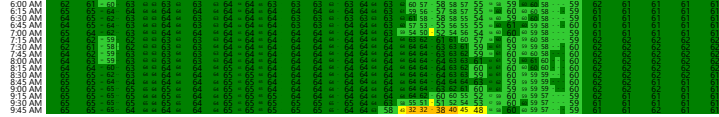
Alternative 2 (Add HOV)



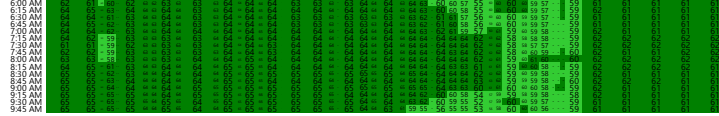
Alternative 3 (Add HOT2+)



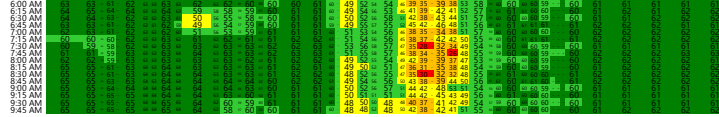
Alternative 4 (Add HOT3+)



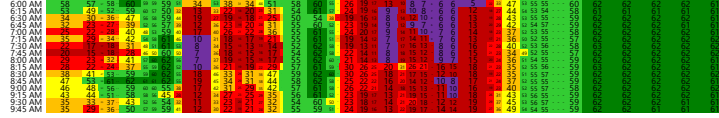
Alternative 5 (Add Toll)



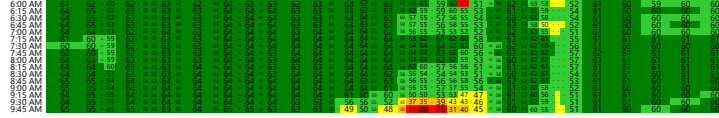
Alternative 6 (Add Transit)



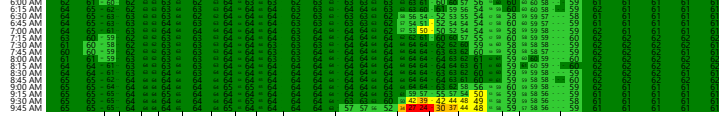
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)

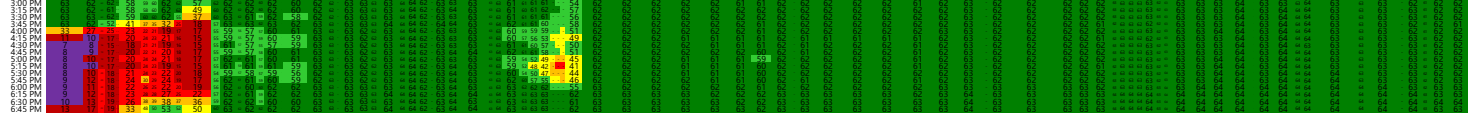


Alternative 9 (Add HOV no Enterprise Crossing)

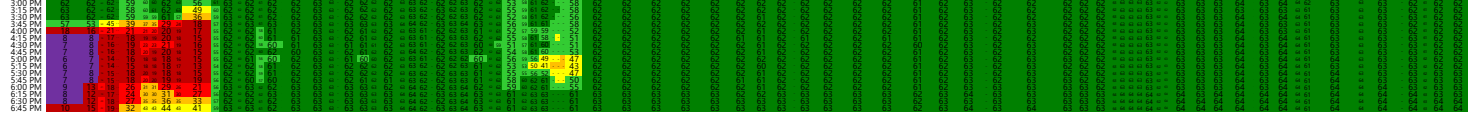


SR 99 On	SR 51 On	16th St Off	10th St Off	15th St On	I-5 Off	5th St On	I-5 On	Jefferson Blvd Off	lower storage roadway On	Harbor Blvd Off	Harbor Blvd SB On	I-80 Off	I-80 On	W Capitol Ave Off	W Capitol Ave WB On	County Rd 32A Off	County Rd 32A On	Mace Blvd Off	Mace Blvd On	Richards Blvd Off	Richards Blvd On	Old Dawe Rd Off	SR 113 Off	Old Dawe Rd On	SR 113 On	Kidwell Rd Off	Kidwell Rd On	Pedrick Rd Off
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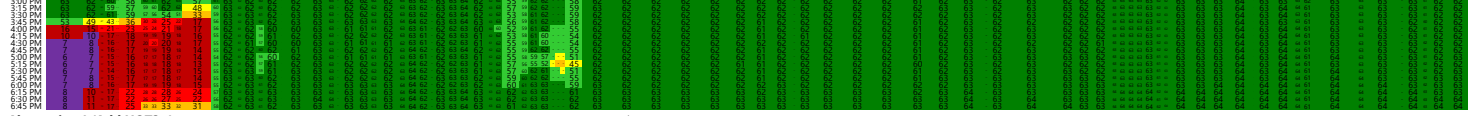
Alternative 1 (No Build)



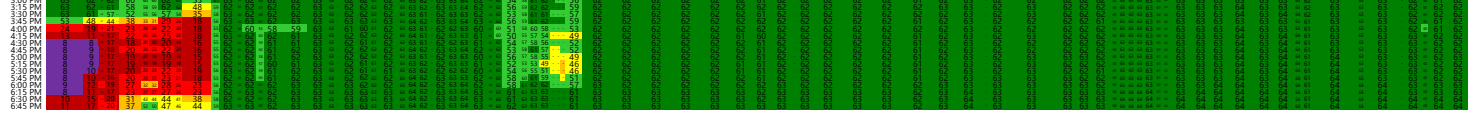
Alternative 2 (Add HOV)



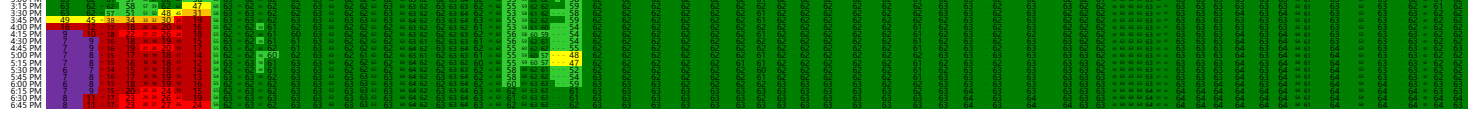
Alternative 3 (Add HOT2+)



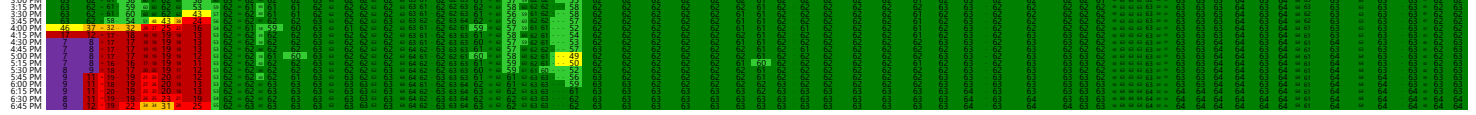
Alternative 4 (Add HOT3+)



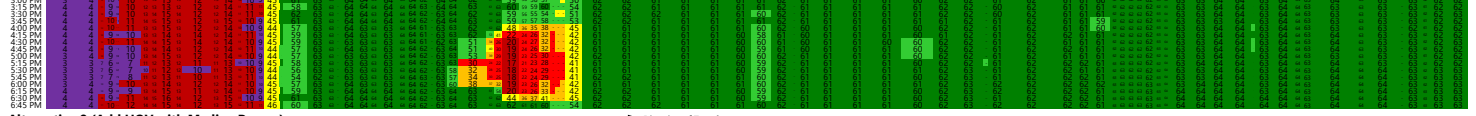
Alternative 5 (Add Toll)



Alternative 6 (Add Transit)



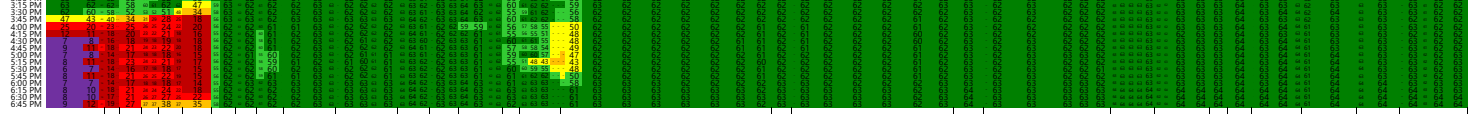
Alternative 7 (Convert HOV)



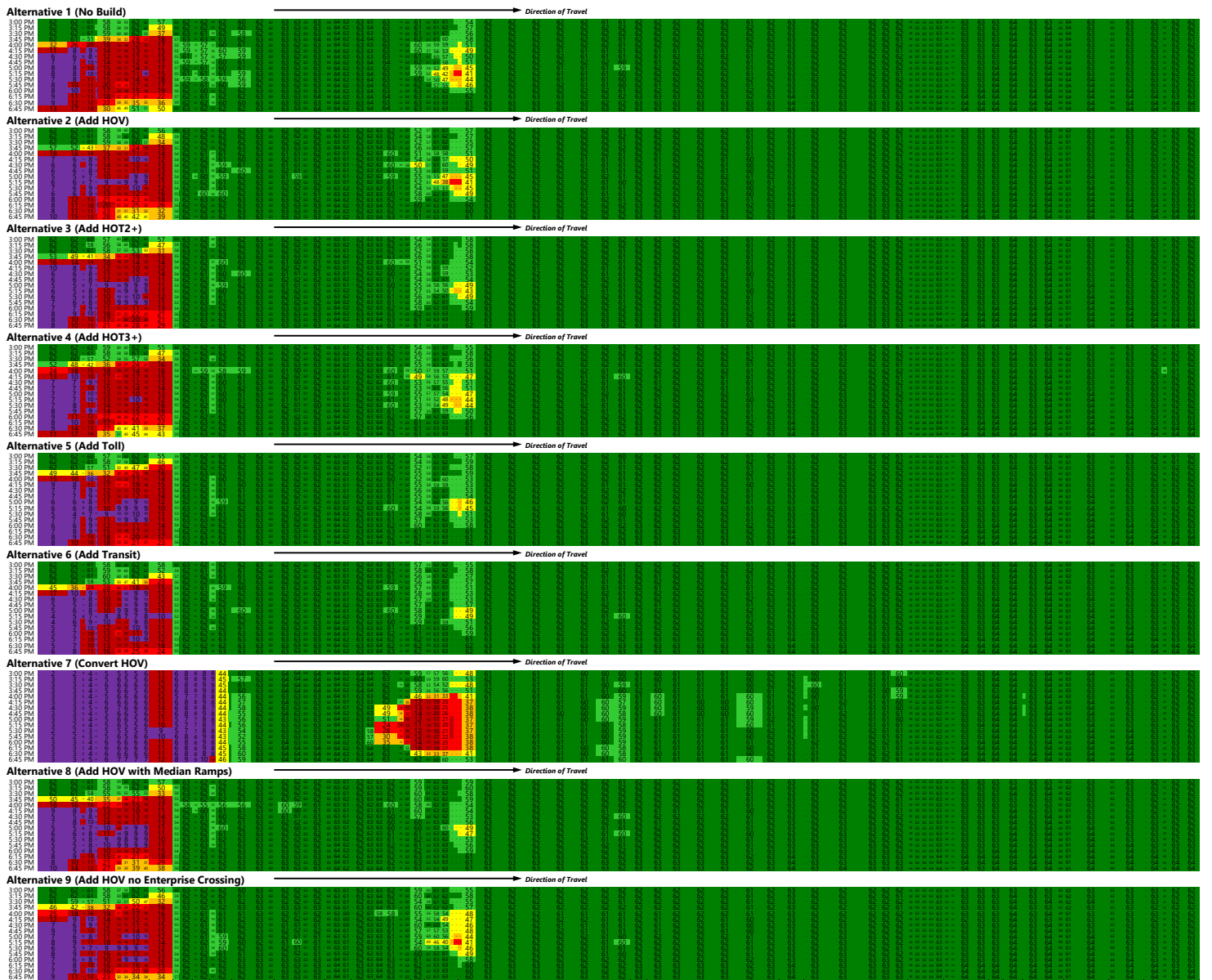
Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



SR 99 On	SR 51 On	16th St Off	10th St Off	15th St On	I-5 Off	5th St On	I-5 On	Jefferson Blvd Off	lower storage roadway On	Harbor Blvd Off	Harbor Blvd SB On	I-80 Off	I-80 On	W Capitol Ave Off	W Capitol Ave WB On	County Rd 32A Off	County Rd 32A On	Mace Blvd Off	Mace Blvd On	Richards Blvd Off	Richards Blvd On	Old Dawe Rd Off	SR 113 Off	Old Dawe Rd On	SR 113 On	Kidwell Rd Off	Kidwell Rd On	Pedrick Rd Off
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SR 99 On	SR 51 On	16th St Off	10th St Off	15th St On	I-5 Off	5th St On	I-5 On	Jefferson Blvd Off	lower storage wayway On	Harbor Blvd Off	Harbor Blvd SB On	I-80 Off	I-80 On	W Capitol Ave Off	W Capitol Ave WB On	County Rd 32A Off	County Rd 32A On	Mace Blvd Off	Mace Blvd On	Richards Blvd Off	Richards Blvd On	Old Daws Rd Off	SR 113 Off	Old Daws Rd On	SR 113 On	Kidwell Rd Off	Kidwell Rd On	Pedrick Rd Off
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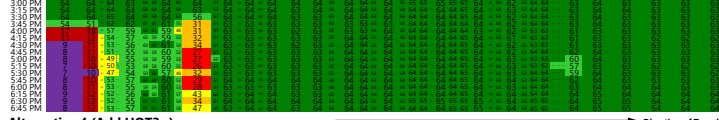
Alternative 1 (No Build)



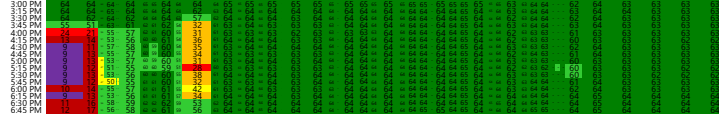
Alternative 2 (Add HOV)



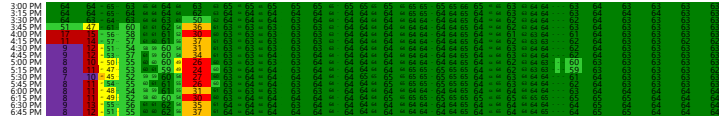
Alternative 3 (Add HOT2+)



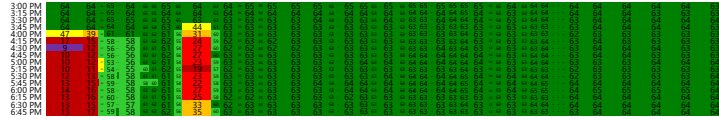
Alternative 4 (Add HOT3+)



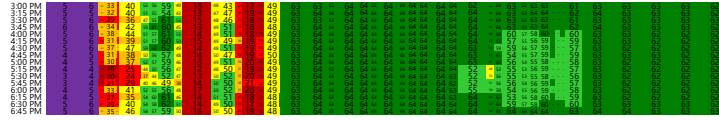
Alternative 5 (Add Toll)



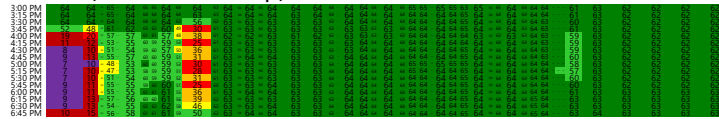
Alternative 6 (Add Transit)



Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



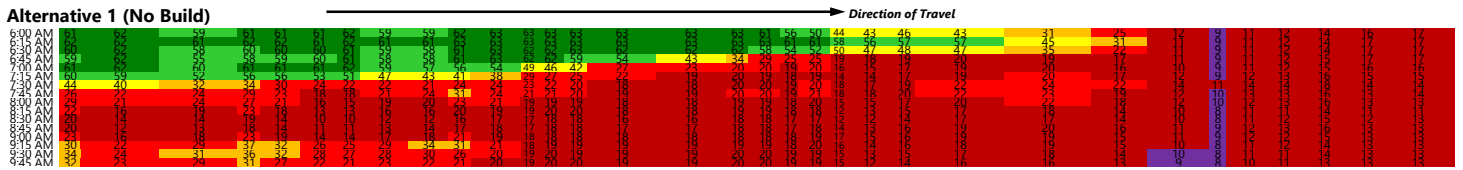
Alternative 9 (Add HOV no Enterprise Crossing)



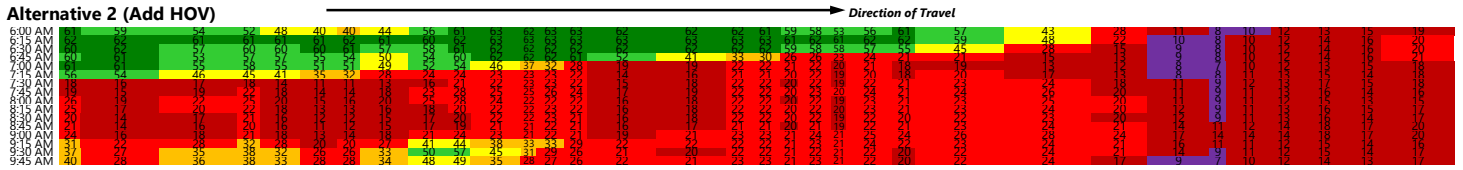
SR 99 On	SR 51 On	16th St Off	10th St Off	15th St On	I-5 Off	5th St On	I-5 On	Jefferson Blvd Off	lower storage wayway On	Harbor Blvd Off	Harbor Blvd SB On	I-80 Off	I-80 On	W Capitol Ave Off	W Capitol Ave WB On	County Rd 32A Off	County Rd 32A On	Maze Blvd Off	Maze Blvd On	Richards Blvd Off	Richards Blvd On	Old Dawe Rd Off	SR 113 Off	Old Dawe Rd On	SR 113 On	Kidwell Rd Off	Kidwell Rd On	Pedrick Rd Off
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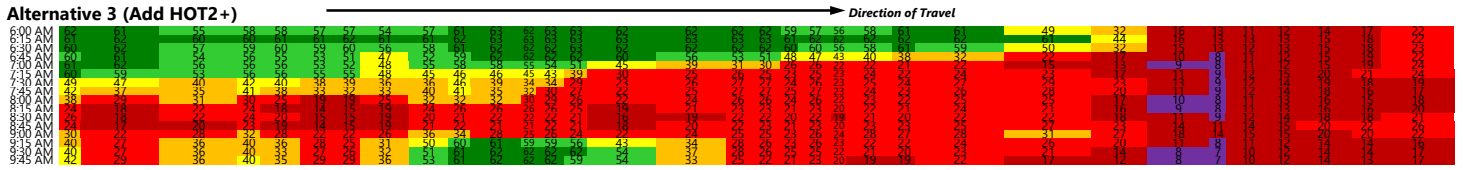
Alternative 1 (No Build)



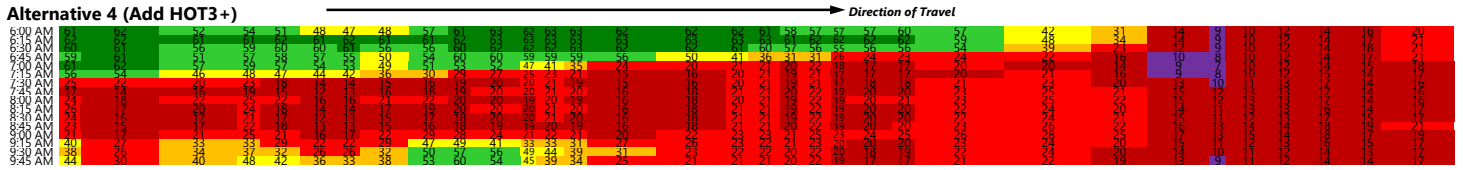
Alternative 2 (Add HOV)



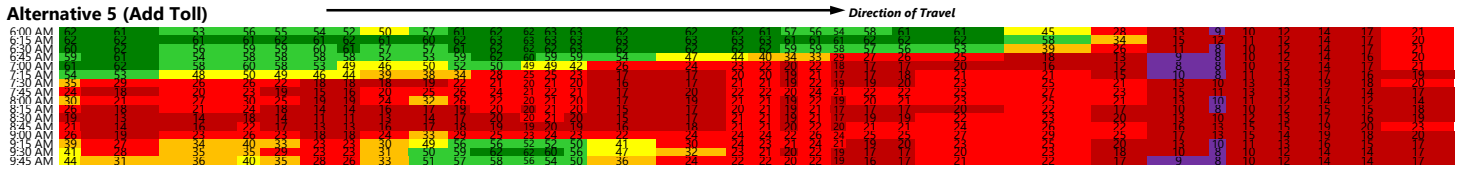
Alternative 3 (Add HOT2+)



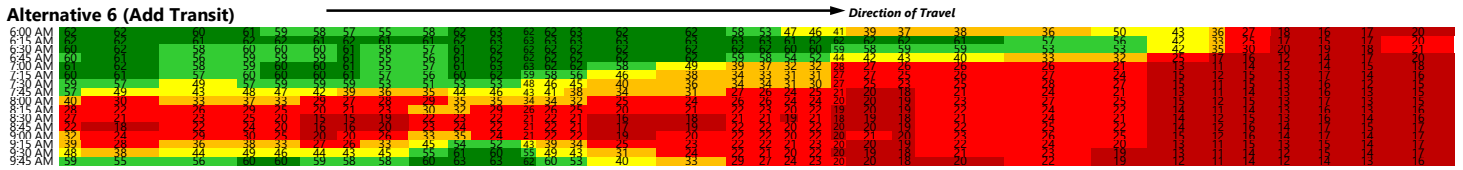
Alternative 4 (Add HOT3+)



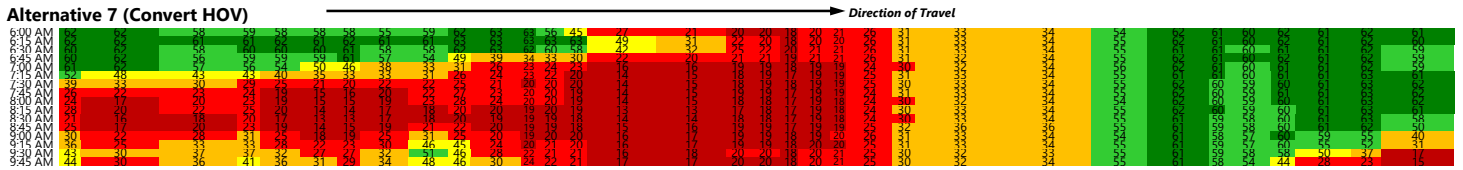
Alternative 5 (Add Toll)



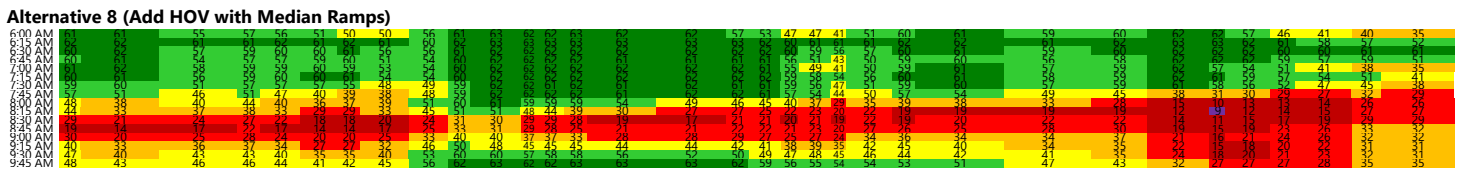
Alternative 6 (Add Transit)



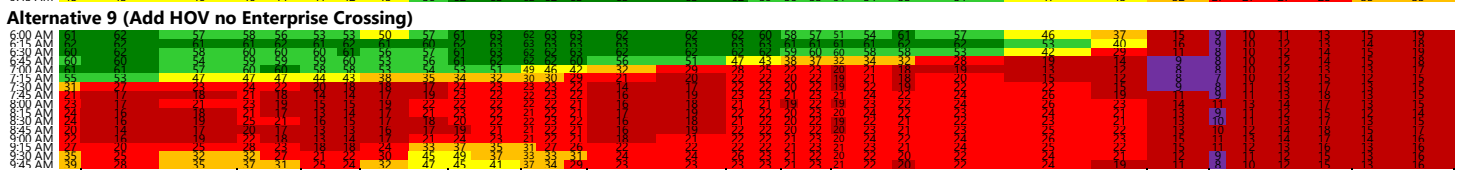
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



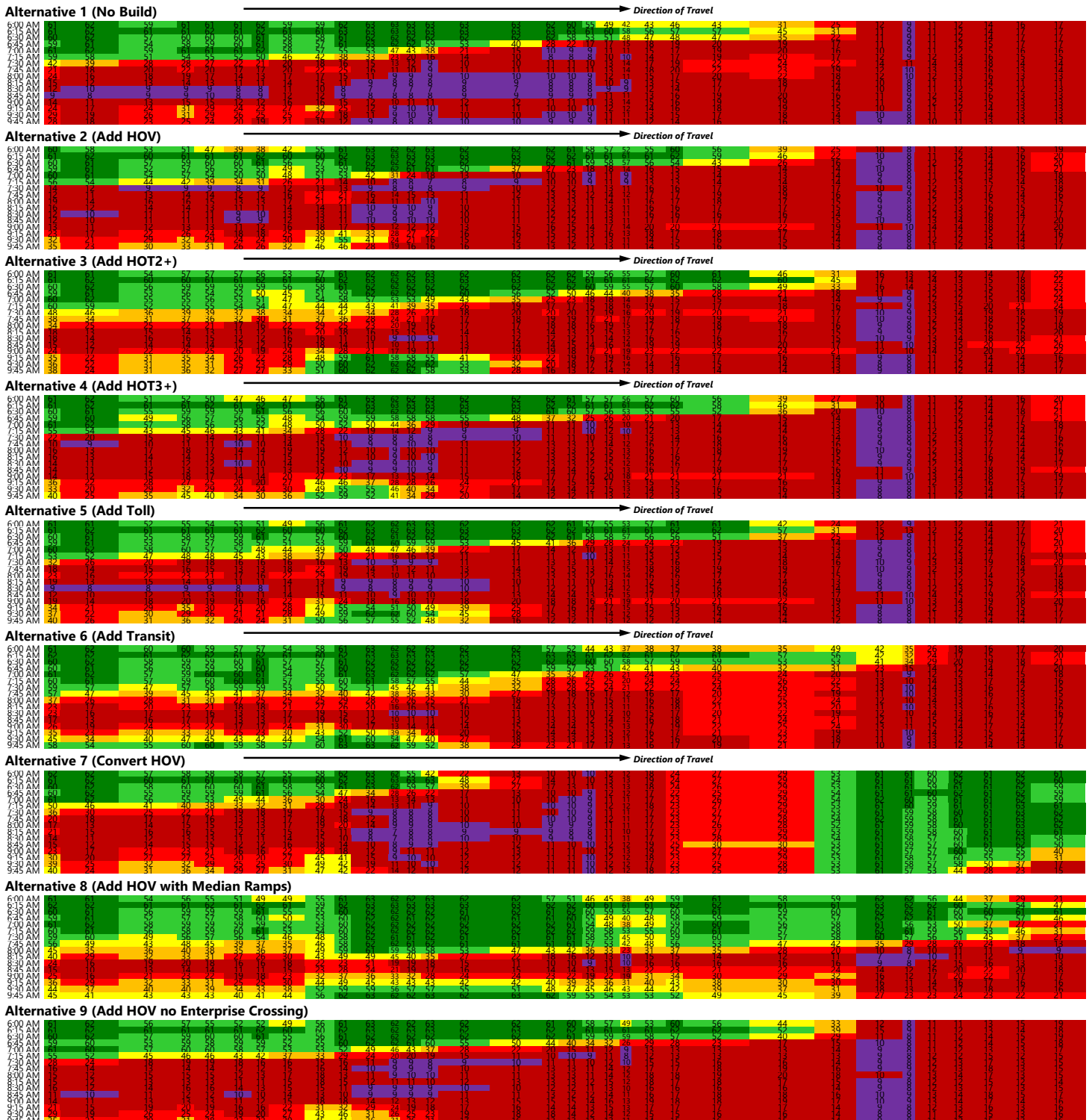
Alternative 9 (Add HOV no Enterprise Crossing)



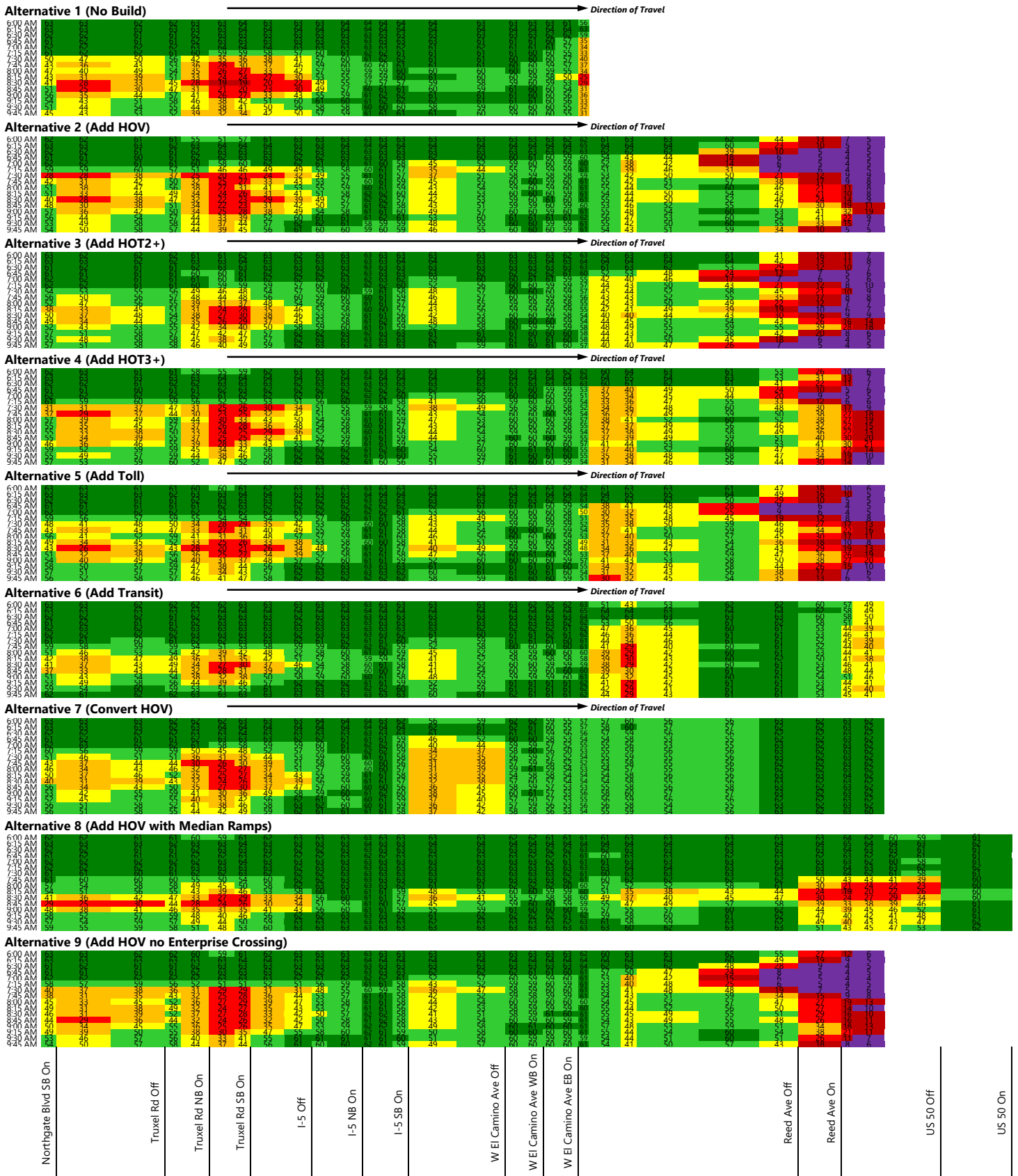
Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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VISSIM Post-Processor  
Average Link Speed for General Purpose Lanes  
I-80 Westbound

I-80/US 50 Managed Lanes  
Opening Year 2029 Westbound  
AM Peak Period



Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 1  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,058	4,781	3,172	4,620	3,218	4,646	3,224	4,664	3,241	4,672	3,231	4,557	3,164	4,596	3,071	4,188	3,211	4,533	3,255	4,594
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,126	4,927	3,246	4,758	3,298	4,786	3,302	4,805	3,318	4,814	3,309	4,699	3,238	4,736	3,146	4,251	3,292	4,675	3,332	4,668
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,109	4,927	3,250	4,758	3,300	4,785	3,307	4,808	3,321	4,814	3,312	4,701	3,243	4,736	3,153	4,094	3,297	4,671	3,334	4,667
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,108	4,927	3,252	4,758	3,301	4,785	3,307	4,807	3,319	4,815	3,312	4,701	3,244	4,736	3,154	4,069	3,296	4,671	3,334	4,666
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,079	4,878	3,231	4,709	3,279	4,733	3,288	4,758	3,297	4,763	3,294	4,650	3,227	4,684	3,133	3,898	3,277	4,621	3,313	4,616
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,061	4,873	3,236	4,712	3,288	4,733	3,292	4,751	3,304	4,761	3,302	4,648	3,229	4,683	3,136	3,596	3,285	4,622	3,319	4,616
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,619	3,726	2,706	3,598	2,814	3,890	2,824	3,952	2,830	3,958	2,839	3,817	2,709	3,574	2,549	2,316	2,821	3,790	2,847	3,783
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,610	3,726	2,707	3,580	2,815	3,892	2,828	3,953	2,833	3,963	2,842	3,818	2,710	3,554	2,550	2,122	2,820	3,790	2,846	3,784
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,476	3,405	2,543	3,215	2,667	3,594	2,687	3,647	2,690	3,656	2,697	3,516	2,551	3,197	2,387	1,771	2,673	3,481	2,704	3,484
10 I-80 EB: SR 113 On-ramp	Basic	2,462	3,404	2,549	2,962	2,673	3,567	2,694	3,653	2,696	3,656	2,703	3,508	2,556	2,953	2,393	1,460	2,678	3,468	2,709	3,480
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	2,861	3,943	2,971	3,440	3,198	4,306	3,218	4,414	3,198	4,430	3,168	4,243	2,997	3,450	2,802	2,073	3,204	4,278	3,244	4,305
12 I-80 EB: Old Davis Rd On-ramp	Merge	2,857	3,926	2,973	3,397	3,198	4,268	3,219	4,378	3,198	4,415	3,166	4,223	2,999	3,407	2,802	2,065	3,205	4,251	3,245	4,283
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,078	4,429	3,216	3,969	3,480	4,883	3,504	4,991	3,468	5,049	3,428	4,848	3,247	3,910	3,052	2,539	3,487	4,890	3,515	4,940
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,076	4,378	3,218	3,933											3,052	2,512				
I-80 EB: Lane Drop to Richards Blvd	Basic					3,481	4,839	3,508	4,946	3,469	5,002	3,431	4,802	3,248	3,880			3,489	4,851	3,518	4,899
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,068	4,316	3,220	3,923											3,052	2,462				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,065	4,302	3,221	3,925	3,485	4,790	3,508	4,891	3,465	4,947	3,430	4,742	3,251	3,859	3,054	2,447	3,492	4,794	3,519	4,847
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	2,898	3,891	3,048	3,533	3,315	4,330	3,336	4,424	3,294	4,465	3,257	4,265	3,073	3,472	2,866	2,141	3,319	4,325	3,345	4,374
18 I-80 EB: Richards Blvd On-ramp	Merge	2,890	3,847	3,051	3,530	3,316	4,296	3,341	4,392	3,294	4,429	3,260	4,225	3,074	3,468	2,866	2,120	3,320	4,290	3,347	4,335
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,009	4,164	3,194	3,907	3,495	4,845	3,521	4,922	3,470	4,870	3,431	4,663	3,234	3,863	3,025	2,499	3,499	4,834	3,529	4,880
20 I-80 EB: Mace Blvd Off-ramp	Diverge	2,974	4,000	3,208	3,896	3,512	4,842	3,536	4,925	3,486	4,821	3,444	4,607	3,251	3,855	3,035	2,420	3,511	4,820	3,536	4,849
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	2,814	3,803	3,050	3,718	3,351	4,662	3,376	4,740	3,327	4,647	3,287	4,436	3,089	3,584	2,874	2,290	3,348	4,641	3,378	4,664
22 I-80 EB: Mace Blvd SB On-ramp	Merge	2,809	3,787	3,052	3,719	3,358	4,664	3,377	4,743	3,331	4,645	3,287	4,437	3,088	3,583	2,876	2,278	3,350	4,639	3,378	4,665
23 I-80 EB: Mace Blvd NB On-ramp	Merge	3,131	4,395	3,412	4,388	3,746	5,418	3,759	5,502	3,720	5,435	3,668	5,252	3,473	4,336	3,229	2,781	3,739	5,403	3,776	5,431
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	3,354	4,799	3,658	4,809	4,042	6,023	4,051	6,098	3,988	5,994	3,905	5,852	3,738	4,842	3,457	3,172	4,037	6,023	4,067	6,029
25 I-80 EB: County Rd 32B Off-ramp	Diverge	3,286	4,793	3,658	4,768	4,049	6,030	4,066	6,101	3,998	5,991	3,910	5,853	3,740	4,799	3,466	2,921	4,043	6,026	4,072	6,026
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	3,268	4,778	3,651	4,751	4,039	6,023	4,053	6,091	3,989	5,981	3,908	5,840	3,732	4,785	3,458	2,880	4,029	6,016	4,060	6,008
27 I-80 EB: County Rd 32B On-ramp	Merge	3,258	4,762	3,655	4,746	4,040	6,019	4,052	6,090	3,990	5,985	3,905	5,838	3,735	4,782	3,460	2,847	4,028	6,018	4,061	6,004
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	3,310	5,232	3,732	5,301	4,134	6,487	4,139	6,538	4,094	6,523	4,046	6,313	3,823	5,384	3,594	3,226	4,126	6,437	4,147	6,480
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	3,225	5,223	3,749	5,301	4,139	6,414	4,163	6,541	4,109	6,528	4,056	6,316	3,845	5,380	3,603	2,783	4,136	6,393	4,162	6,358
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	3,115	4,906	3,603	4,924	3,977	5,959	4,006	6,103	3,957	6,093	3,900	5,871	3,699	5,001			3,983	5,944	4,024	5,919
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															3,474	2,520				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															3,474	2,497				
31 I-80 EB: Enterprise Blvd to US 50	Weave	3,105	4,904	3,603	4,924	3,985	5,923	4,013	6,100	3,957	6,090	3,896	5,875	3,705	5,002	3,473	2,472	3,985	5,931	4,028	5,881
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,417	3,662	2,967	3,898											2,911	2,370				
US 50 EB: I-80 Off to On-ramp	Basic					3,278	4,588	3,259	4,710	3,225	4,702	3,182	4,583	3,053	4,017			3,287	4,561	3,124	4,293
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,402	3,647	2,975	3,880											2,912	2,373				
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,398	3,631	2,975	3,865	3,281	4,399	3,257	4,590	3,228	4,607	3,187	4,522	3,052	3,920	2,912	2,377	3,287	4,386	3,127	4,115
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	2,583	4,472	2,931	4,662	3,387	5,259	3,358	5,459	3,335	5,433	3,277	5,401	3,050	4,728	2,875	3,380	3,393	5,248	3,239	5,102
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	2,578	4,404	2,931	4,642	3,387	5,235	3,360	5,426	3,338	5,406	3,279	5,372	3,049	4,699	2,876	3,380	3,395	5,219	3,239	5,093
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	2,951	4,880	3,281	5,068	3,759	5,783	3,745	5,926	3,695	5,925	3,614	5,826	3,410	5,097	3,246	3,904	3,764	5,746	3,659	5,604
38 US 50 EB: Jefferson Blvd On-ramp	Merge	2,931	4,835	3,286	5,034	3,762	5,786	3,750	5,933	3,693	5,933	3,614	5,818	3,409	5,103	3,245	3,907	3,764	5,734	3,662	5,609
39 US 50 EB: S River Rd On-ramp	Merge	3,882	6,160	4,288	6,304	4,804	7,088	4,768	7,231	4,717	7,229	4,641	7,096	4,450	6,379	4,269	5,188	4,796	7,039	4,718	6,915
40 US 50 EB: I-5 Off-ramp	Basic	4,411	6,890	4,908	6,905	5,444	7,728	5,394	7,866	5,343	7,855	5,272	7,720	5,092	6,988	4,902	5,827	5,413	7,677	5,378	7,548
41 US 50 EB: 5th St Off-ramp	Diverge	3,693	5,233	4,286	5,268	4,661	5,779	4,664	5,889	4,580	5,930	4,524	5,788	4,398	5,350	4,253	4,442	4,631	5,728	4,615	5,610
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,493	4,396	4,060	4,466																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					4,422	4,979	4,436	5,072	4,348	5,119	4,298	4,975	4,165	4,590	4,028	3,755	4,397	4,912	4,379	4,813
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,490	4,387																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			4,059	4,453																
US 50 EB: HOV Lane Add to I-5 On	Basic			4,064	4,448																
44 US 50 EB: I-5 to 15th St	Weave	3,480	4,376	4,065	4,452	4,424	4,975	4,446	5,064	4,350	5,111	4,303	4,960	4,167	4,595	4,023	3,758	4,402	4,892	4,387	4,804
45 US 50 EB: 15th St to 11th St	Basic	6,744	6,587	7,902	6,801	8,118	7,054	8,093	7,084	8,063	7,080	7,998	6,897	7,908	7,132	7,789	6,857	8,096	6,845	8,093	7,127
46 US 50 EB: 11th St On-ramp	Merge	6,731	6,532	7,912	6,798	8,125	7,056	8,090	7,086	8,060	7,083	7,993	6,898	7,904	7,131	7,784	6,853	8,093	6,841	8,098	7,126
47 US 50 EB: 16th St to SR 51/SR 99	Weave	7,007	7,322	8,413	7,803	8,589	8,057	8,550	8,084	8,514	8,090	8,450	7,889	8,385	8,130	8,253	7,868	8,539	7,845	8,570	8,136

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,074	2,263	1,417	2,253													1,554	2,601		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					1,534	2,500	1,561	2,610	1,541	2,616	1,525	2,596	1,458	2,210	1,375	1,265			1,333	2,480
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					1,537	2,501	1,559	2,612	1,539	2,621	1,523	2,594	1,458	2,213	1,374	1,273			1,334	2,479
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,068	2,266	1,420	2,251	1,538	2,501	1,560	2,613	1,540	2,621	1,523	2,595	1,458	2,212	1,374	1,273	1,553	2,602	1,334	2,478
63 I-80 EB: US 50 to Reed Ave	Basic	2,128	3,728	2,397	3,496	2,563	3,910	2,575	3,995	2,554	4,006	2,538	3,928	2,470	3,506	2,380	2,632	2,581	3,995	2,466	4,089
64 I-80 EB: Reed Ave Off-ramp	Diverge	2,125	3,730	2,397	3,497	2,561	3,914	2,575	3,997	2,554	4,005	2,539	3,929	2,469	3,502	2,379	2,634	2,582	3,997	2,465	4,078
65 I-80 EB: Reed Ave Off to On-ramp	Basic	1,417	3,292	1,668	3,000	1,804	3,564	1,812	3,644	1,806	3,627	1,789	3,588	1,717	3,173	1,644	2,335	1,825	3,649	1,722	3,681
66 I-80 EB: Reed Ave On-ramp	Merge	1,413	3,287	1,667	3,001	1,805	3,561	1,810	3,627	1,806	3,603	1,787	3,564	1,719	3,172	1,645	2,337	1,827	3,635	1,721	3,657
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	1,712	4,532	2,006	4,325											2,009	3,771				
I-80 EB: Reed Ave to W El Camino Ave	Basic					2,168	4,854	2,187	4,826	2,173	4,799	2,157	4,721	2,077	4,593			2,193	4,834	2,134	4,729
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	1,702	4,522	1,998	4,326											2,006	3,789				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	1,701	4,522	1,999	4,327	2,167	4,657	2,181	4,595	2,170	4,567	2,149	4,502	2,075	4,599	2,006	3,790	2,193	4,594	2,133	4,504
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	1,514	3,734	1,760	3,777	1,909	3,851	1,924	3,817	1,911	3,778	1,884	3,741	1,829	3,839	1,764	3,059	1,933	3,808	1,888	3,733
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	1,509	3,732	1,759	3,775	1,910	3,788	1,924	3,757	1,910	3,723	1,884	3,679	1,830	3,835	1,766	3,060	1,933	3,752	1,888	3,692
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	1,852	4,098	2,106	4,147	2,246	4,120	2,270	4,094	2,250	4,061	2,231	4,014	2,172	4,215	2,113	3,442	2,279	4,098	2,234	4,047
73 I-80 EB: W El Camino Ave to I-5	Basic	2,023	4,569	2,327	4,668	2,485	4,590	2,509	4,574	2,485	4,537	2,472	4,498	2,411	4,739	2,345	4,004	2,520	4,584	2,464	4,569
74 I-80 EB: I-5 Off-ramp	Basic	2,023	4,568	2,327	4,669	2,485	4,587	2,508	4,570	2,486	4,532	2,472	4,495	2,411	4,734	2,344	4,005	2,519	4,581	2,464	4,569
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	1,511	3,493	1,699	3,469	1,838	3,491	1,852	3,481	1,838	3,455	1,837	3,406	1,780	3,480	1,739	2,900	1,851	3,496	1,817	3,509
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	1,503	3,477	1,696	3,464	1,838	3,488	1,850	3,474	1,838	3,443	1,836	3,401	1,779	3,455	1,738	2,907	1,850	3,497	1,814	3,508
77 I-80 EB: I-5 SB On-ramp	Merge	1,502	3,444	1,697	3,449	1,837	3,487	1,850	3,476	1,836	3,441	1,837	3,404	1,777	3,435	1,736	2,924	1,849	3,495	1,813	3,505
78 I-80 EB: I-5 to Truxel Rd	Weave	2,038	4,390	2,264	4,451	2,395	4,502	2,422	4,486	2,409	4,457	2,404	4,395	2,352	4,452	2,319	4,015	2,428	4,503	2,392	4,517
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	2,933	5,937	3,027	5,983	3,207	6,095	3,225	6,080	3,216	6,031	3,218	5,983	3,160	6,027	3,154	5,733	3,225	6,086	3,210	6,100
80 I-80 EB: Truxel Rd SB On-ramp	Basic	2,930	5,936	3,026	5,983	3,208	6,093	3,224	6,082	3,217	6,029	3,220	5,985	3,160	6,029	3,151	5,735	3,222	6,090	3,209	6,100
81 I-80 EB: Truxel Rd NB On-ramp	Merge	3,160	6,560	3,275	6,570	3,468	6,694	3,485	6,671	3,478	6,629	3,481	6,602	3,418	6,636	3,406	6,367	3,482	6,695	3,464	6,701
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	3,508	6,936	3,659	7,036	3,892	7,169	3,905	7,142	3,903	7,121	3,902	7,090	3,842	7,137	3,836	6,892	3,906	7,175	3,889	7,189
83 I-80 EB: Northgate Blvd Off-ramp	Basic	3,499	6,910	3,659	7,040	3,894	7,168	3,906	7,141	3,902	7,125	3,901	7,105	3,842	7,144	3,836	6,911	3,909	7,170	3,891	7,190



I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 2  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,280	4,428	4,368	4,518	4,443	4,591	4,444	4,596	4,430	4,608	4,452	4,596	4,397	4,507	4,367	334	4,440	4,592	4,423	4,590
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,482	4,549	4,578	4,637	4,645	4,716	4,651	4,725	4,633	4,735	4,649	4,713	4,606	4,624	4,572	310	4,642	4,713	4,626	4,832
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,479	4,555	4,572	4,642	4,644	4,721	4,644	4,726	4,632	4,735	4,648	4,713	4,603	4,627	4,563	232	4,641	4,718	4,622	4,831
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,478	4,555	4,572	4,641	4,643	4,719	4,644	4,727	4,631	4,736	4,648	4,712	4,603	4,627	4,563	228	4,641	4,717	4,622	4,832
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,450	4,507	4,540	4,592	4,612	4,669	4,614	4,679	4,601	4,689	4,617	4,665	4,571	4,579	4,531	193	4,616	4,665	4,591	4,777
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,441	4,515	4,533	4,591	4,602	4,670	4,604	4,679	4,594	4,686	4,609	4,661	4,568	4,571	4,525	161	4,608	4,662	4,583	4,774
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,494	3,165	3,485	3,189	3,578	3,682	3,603	3,769	3,578	3,721	3,611	3,732	3,446	3,176	3,249	109	3,594	3,708	3,553	3,764
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,495	3,167	3,481	3,113	3,577	3,666	3,600	3,757	3,576	3,717	3,608	3,726	3,446	3,098	3,247	104	3,595	3,700	3,552	3,707
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,164	2,834	3,113	2,756	3,199	3,296	3,239	3,397	3,220	3,389	3,249	3,385	3,055	2,735	2,819	90	3,228	3,354	3,189	3,325
10 I-80 EB: SR 113 On-ramp	Basic	3,162	2,842	3,110	2,766	3,203	3,123	3,240	3,234	3,221	3,324	3,250	3,257	3,056	2,734	2,821	94	3,228	3,222	3,191	3,104
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	4,044	3,218	4,023	3,185	4,283	3,718	4,325	3,777	4,269	3,798	4,207	3,680	3,924	3,180	3,681	570	4,297	3,752	4,262	3,576
12 I-80 EB: Old Davis Rd On-ramp	Merge	4,043	3,230	4,022	3,188	4,284	3,720	4,323	3,777	4,270	3,777	4,209	3,663	3,924	3,182	3,682	568	4,298	3,742	4,262	3,556
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,403	3,836	4,423	3,781	4,701	4,351	4,733	4,409	4,683	4,372	4,616	4,256	4,314	3,759	4,047	759	4,719	4,380	4,679	4,173
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,404	3,858	4,423	3,789											4,047	755				
I-80 EB: Lane Drop to Richards Blvd	Basic					4,699	4,348	4,731	4,408	4,684	4,370	4,616	4,256	4,315	3,763			4,718	4,377	4,677	4,167
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,400	3,872	4,427	3,788											4,047	760				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,401	3,874	4,427	3,784	4,697	4,351	4,736	4,412	4,690	4,372	4,620	4,249	4,316	3,766	4,047	762	4,719	4,379	4,680	4,151
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	4,013	3,445	4,006	3,350	4,304	3,941	4,335	4,004	4,279	3,952	4,210	3,855	3,897	3,324	3,579	671	4,312	3,975	4,274	3,742
18 I-80 EB: Richards Blvd On-ramp	Merge	4,012	3,448	4,007	3,354	4,307	3,942	4,334	4,006	4,280	3,952	4,211	3,853	3,897	3,329	3,579	681	4,312	3,983	4,276	3,733
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,251	3,813	4,296	3,746	4,676	4,549	4,702	4,595	4,626	4,489	4,546	4,335	4,192	3,733	3,819	1,124	4,686	4,573	4,627	4,312
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,250	3,815	4,285	3,755	4,669	4,553	4,695	4,602	4,618	4,498	4,536	4,345	4,185	3,742	3,707	1,158	4,680	4,574	4,626	4,282
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,942	3,653	3,973	3,595	4,360	4,401	4,387	4,454	4,313	4,343	4,229	4,186	3,882	3,553	3,390	1,105	4,368	4,415	4,315	4,135
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,939	3,655	3,966	3,596	4,355	4,403	4,388	4,451	4,309	4,347	4,230	4,187	3,886	3,553	3,371	1,113	4,367	4,417	4,314	4,130
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,616	4,303	4,686	4,259	4,953	5,198	4,993	5,249	4,902	5,167	4,838	5,028	4,473	4,287	3,852	1,512	4,967	5,211	4,917	4,878
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	5,019	4,791	5,195	4,768	5,439	5,891	5,486	5,934	5,390	5,852	5,295	5,743	4,909	4,839	4,236	1,999	5,459	5,918	5,413	5,544
25 I-80 EB: County Rd 32B Off-ramp	Diverge	5,005	4,709	5,175	4,735	5,421	5,851	5,461	5,919	5,373	5,845	5,278	5,740	4,898	4,801	4,230	2,077	5,430	5,902	5,392	5,377
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	4,996	4,688	5,166	4,724	5,413	5,831	5,448	5,901	5,360	5,828	5,265	5,732	4,890	4,793	4,222	2,082	5,427	5,891	5,388	5,339
27 I-80 EB: County Rd 32B On-ramp	Merge	4,997	4,689	5,158	4,728	5,411	5,822	5,448	5,893	5,358	5,820	5,263	5,731	4,887	4,796	4,215	2,092	5,428	5,881	5,386	5,308
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	5,285	5,319	5,434	5,331	5,800	6,382	5,849	6,473	5,757	6,380	5,771	6,334	5,264	5,399	4,606	2,628	5,797	6,417	5,761	5,829
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,238	5,313	5,380	5,332	5,762	6,120	5,805	6,148	5,713	6,018	5,728	6,028	5,221	5,405	4,592	2,760	5,750	6,114	5,718	5,489
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,956	4,904	5,016	4,914	5,370	5,672	5,407	5,660	5,319	5,492	5,340	5,531	4,878	4,967			5,350	5,633	5,371	5,118
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															4,329	2,492				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															4,327	2,497				
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,953	4,909	5,012	4,916	5,364	5,662	5,400	5,617	5,319	5,435	5,340	5,475	4,870	4,969	4,327	2,509	5,348	5,616	5,366	5,103
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,746	3,597	3,900	3,732											3,504	2,377				
US 50 EB: I-80 Off to On-ramp	Basic					4,180	4,247	4,246	4,024	4,151	3,872	4,167	3,869	3,822	3,760			4,187	4,141	4,048	3,801
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,731	3,526	3,890	3,741											3,503	2,422				
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,718	3,513	3,886	3,752	4,171	4,302	4,245	4,154	4,140	3,984	4,154	3,925	3,817	3,817	3,503	2,432	4,182	4,227	4,039	3,784
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,508	4,430	4,450	4,757	4,890	5,418	4,938	5,416	4,838	5,229	4,784	5,123	4,476	4,952	4,018	3,602	4,908	5,368	4,859	4,846
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,466	4,435	4,447	4,769	4,884	5,426	4,936	5,441	4,834	5,272	4,782	5,159	4,473	4,968	4,019	3,609	4,907	5,372	4,855	4,844
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	4,465	4,569	4,262	4,871	4,482	5,623	4,632	5,647	4,477	5,571	4,478	5,512	4,100	5,043	3,989	3,904	4,543	5,589	4,525	5,111
38 US 50 EB: Jefferson Blvd On-ramp	Merge	4,408	4,538	4,255	4,891	4,437	5,618	4,619	5,649	4,467	5,641	4,477	5,570	4,067	5,046	3,985	3,916	4,508	5,598	4,480	5,087
39 US 50 EB: S River Rd On-ramp	Merge	6,010	5,951	5,754	6,192	5,964	6,922	6,164	6,935	6,016	6,953	6,023	6,886	5,595	6,341	5,451	5,236	6,043	6,907	6,012	6,381
40 US 50 EB: I-5 Off-ramp	Basic	7,140	6,745	6,537	6,809	6,715	7,539	6,953	7,548	6,801	7,592	6,807	7,521	6,342	6,958	6,236	5,865	6,803	7,553	6,768	7,017
41 US 50 EB: 5th St Off-ramp	Diverge	5,879	5,410	5,373	5,408	5,727	5,848	5,848	5,855	5,805	5,938	5,838	5,869	5,369	5,555	5,336	4,656	5,803	5,857	5,745	5,428
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	5,184	4,288	4,773	4,394																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					5,101	4,809	5,217	4,800	5,161	4,878	5,215	4,837	4,775	4,540	4,768	3,772	5,165	4,843	5,105	4,457
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	5,168	4,281																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			4,760	4,396																
US 50 EB: HOV Lane Add to I-5 On	Basic			4,749	4,395																
44 US 50 EB: I-5 to 15th St	Weave	5,143	4,266	4,745	4,381	5,078	4,782	5,192	4,770	5,131	4,863	5,198	4,842	4,738	4,522	4,761	3,771	5,136	4,851	5,071	4,458
45 US 50 EB: 15th St to 11th St	Basic	8,645	5,803	8,365	6																

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,687	2,284	1,914	2,424													2,068	2,712		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					2,054	2,610	2,035	2,555	2,040	2,478	2,054	2,539	1,917	2,455	1,781	1,432			1,799	2,377
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					2,047	2,521	2,031	2,468	2,035	2,382	2,050	2,457	1,914	2,448	1,779	1,425			1,796	2,314
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,683	2,280	1,908	2,422	2,047	2,515	2,030	2,461	2,035	2,375	2,049	2,452	1,914	2,446	1,779	1,425	2,068	2,606	1,795	2,309
63 I-80 EB: US 50 to Reed Ave	Basic	3,093	3,966	3,251	3,933	3,407	3,711	3,396	3,568	3,399	3,418	3,393	3,506	3,273	4,035	3,131	3,035	3,430	3,694	3,308	3,480
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,090	3,930	3,250	3,919	3,405	3,646	3,392	3,501	3,394	3,355	3,387	3,445	3,270	4,007	3,128	3,032	3,426	3,630	3,307	3,431
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,185	3,440	2,319	3,407	2,472	3,233	2,445	3,100	2,445	2,985	2,455	3,043	2,346	3,526	2,201	2,754	2,491	3,214	2,392	3,083
66 I-80 EB: Reed Ave On-ramp	Merge	2,183	3,417	2,319	3,394	2,471	3,200	2,445	3,076	2,443	2,969	2,455	3,032	2,343	3,502	2,200	2,753	2,487	3,190	2,388	3,071
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,690	5,001	2,910	4,824													2,839	4,149		
I-80 EB: Reed Ave to W El Camino Ave	Basic					3,105	4,402	3,083	4,233	3,082	4,153	3,109	4,195	2,988	4,926			3,129	4,390	3,112	4,250
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,679	4,992	2,901	4,816													2,830	4,137		
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,679	4,992	2,900	4,815	3,097	4,380	3,076	4,255	3,071	4,174	3,101	4,216	2,979	4,887	2,828	4,135	3,122	4,425	3,099	4,260
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,289	3,860	2,451	3,824	2,596	3,498	2,572	3,405	2,573	3,379	2,583	3,405	2,488	3,827	2,354	3,077	2,619	3,550	2,623	3,456
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	2,290	3,857	2,451	3,823	2,596	3,499	2,573	3,416	2,574	3,377	2,582	3,407	2,487	3,805	2,351	3,075	2,618	3,554	2,622	3,460
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,889	4,310	3,040	4,276	3,186	3,931	3,168	3,849	3,156	3,807	3,175	3,833	3,078	4,223	2,951	3,533	3,205	3,992	3,217	3,893
73 I-80 EB: W El Camino Ave to I-5	Basic	3,416	4,788	3,619	4,834	3,760	4,468	3,750	4,383	3,734	4,325	3,747	4,371	3,679	4,715	3,552	4,098	3,782	4,532	3,791	4,430
74 I-80 EB: I-5 Off-ramp	Basic	3,416	4,786	3,619	4,833	3,760	4,466	3,750	4,385	3,733	4,323	3,747	4,372	3,677	4,710	3,552	4,098	3,781	4,534	3,791	4,430
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,618	3,307	2,690	3,280	2,804	3,180	2,783	3,130	2,792	3,047	2,807	3,131	2,746	3,212	2,693	2,791	2,825	3,256	2,821	3,173
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,614	3,292	2,685	3,272	2,799	3,179	2,777	3,134	2,783	3,046	2,803	3,128	2,737	3,211	2,685	2,791	2,820	3,256	2,817	3,175
77 I-80 EB: I-5 SB On-ramp	Merge	2,605	3,304	2,678	3,263	2,796	3,178	2,768	3,129	2,772	3,041	2,797	3,125	2,733	3,213	2,681	2,791	2,816	3,252	2,812	3,174
78 I-80 EB: I-5 to Truxel Rd	Weave	3,635	4,239	3,712	4,233	3,861	4,166	3,829	4,098	3,820	3,999	3,827	4,103	3,781	4,218	3,752	3,816	3,880	4,242	3,862	4,161
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	4,976	5,801	4,846	5,745	5,072	5,790	5,044	5,700	5,017	5,651	5,050	5,714	4,969	5,749	4,959	5,504	5,085	5,861	5,084	5,778
80 I-80 EB: Truxel Rd SB On-ramp	Basic	4,970	5,792	4,840	5,722	5,067	5,763	5,040	5,674	5,010	5,627	5,045	5,683	4,966	5,722	4,951	5,504	5,080	5,840	5,077	5,748
81 I-80 EB: Truxel Rd NB On-ramp	Merge	5,614	6,325	5,508	6,279	5,743	6,326	5,714	6,242	5,680	6,174	5,722	6,230	5,640	6,279	5,629	6,086	5,762	6,395	5,759	6,295
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,203	6,721	6,120	6,792	6,359	6,843	6,343	6,743	6,288	6,663	6,357	6,724	6,285	6,792	6,279	6,678	6,382	6,880	6,397	6,804
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,193	6,700	6,106	6,752	6,345	6,816	6,330	6,724	6,279	6,637	6,345	6,698	6,274	6,765	6,269	6,662	6,369	6,856	6,382	6,781

I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 3  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,307	4,317	4,410	4,618	4,355	4,613	4,360	4,613	3,212	4,604	4,332	4,650	4,383	4,591	4,426	449	4,335	4,663	4,328	4,034
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,493	4,416	4,596	4,716	4,548	4,711	4,548	4,709	3,400	4,698	4,522	4,747	4,577	4,679	4,609	565	4,522	4,759	4,513	4,064
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,495	4,426	4,602	4,715	4,550	4,713	4,549	4,712	3,401	4,701	4,525	4,742	4,581	4,663	4,616	619	4,523	4,759	4,517	3,976
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,496	4,426	4,602	4,717	4,550	4,714	4,549	4,712	3,402	4,701	4,524	4,739	4,580	4,662	4,615	624	4,523	4,760	4,517	3,965
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,478	4,393	4,582	4,681	4,532	4,679	4,531	4,675	3,391	4,656	4,505	4,691	4,560	4,601	4,595	642	4,499	4,725	4,497	3,847
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,485	4,394	4,586	4,632	4,538	4,663	4,539	4,673	3,395	4,628	4,511	4,678	4,565	4,502	4,600	693	4,504	4,726	4,503	3,651
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,513	3,206	3,394	3,264	3,470	3,625	3,496	3,684	2,617	3,612	3,462	3,623	3,395	3,108	3,278	599	3,451	3,717	3,445	2,744
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,516	3,208	3,396	3,214	3,471	3,561	3,499	3,606	2,621	3,552	3,466	3,515	3,397	3,055	3,282	612	3,453	3,685	3,447	2,671
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,169	2,997	2,983	2,979	3,098	3,327	3,127	3,337	2,343	3,278	3,109	3,240	2,989	2,821	2,851	558	3,087	3,444	3,068	2,461
10 I-80 EB: SR 113 On-ramp	Basic	3,174	2,997	2,991	2,981	3,101	3,322	3,132	3,270	2,345	3,128	3,111	3,146	2,993	2,799	2,854	571	3,092	3,403	3,074	2,448
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,956	3,368	3,838	3,426	4,144	3,917	4,170	3,828	3,324	3,656	4,055	3,655	3,858	3,242	3,683	1,044	4,125	3,965	4,083	3,045
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,958	3,375	3,840	3,426	4,143	3,917	4,171	3,828	3,323	3,653	4,054	3,653	3,856	3,237	3,682	1,047	4,125	3,966	4,085	3,045
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,375	3,856	4,280	3,898	4,604	4,505	4,628	4,396	3,776	4,198	4,501	4,187	4,276	3,769	4,107	1,564	4,589	4,533	4,548	3,607
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,376	3,878	4,278	3,898											4,107	1,562				
I-80 EB: Lane Drop to Richards Blvd	Basic					4,605	4,509	4,630	4,390	3,774	4,197	4,501	4,181	4,275	3,759			4,590	4,529	4,548	3,614
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,381	3,917	4,277	3,907											4,107	1,562				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,380	3,929	4,277	3,912	4,609	4,509	4,630	4,378	3,774	4,186	4,501	4,182	4,275	3,739	4,109	1,563	4,595	4,527	4,551	3,618
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,772	3,423	3,651	3,379	3,997	3,975	4,012	3,846	3,253	3,668	3,896	3,658	3,657	3,198	3,451	1,327	3,979	3,992	3,937	3,163
18 I-80 EB: Richards Blvd On-ramp	Merge	3,775	3,455	3,650	3,381	3,998	3,982	4,015	3,843	3,256	3,666	3,899	3,655	3,660	3,188	3,453	1,320	3,981	3,985	3,936	3,162
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,047	3,872	3,959	3,804	4,377	4,646	4,392	4,510	3,630	4,253	4,254	4,223	3,988	3,630	3,773	1,826	4,365	4,645	4,315	3,817
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,057	3,899	3,972	3,813	4,385	4,649	4,406	4,494	3,636	4,243	4,267	4,215	3,998	3,597	3,769	1,816	4,376	4,643	4,329	3,818
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,686	3,696	3,596	3,629	4,022	4,445	4,044	4,295	3,321	4,046	3,904	4,025	3,639	3,348	3,385	1,723	4,023	4,436	3,970	3,649
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,688	3,694	3,605	3,629	4,028	4,444	4,047	4,293	3,325	4,041	3,907	4,024	3,639	3,343	3,386	1,721	4,029	4,431	3,972	3,651
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,330	4,299	4,315	4,235	4,650	5,183	4,670	5,007	3,952	4,796	4,532	4,844	4,245	4,010	3,877	2,300	4,657	5,163	4,606	4,343
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	4,747	4,760	4,766	4,643	5,166	5,775	5,185	5,563	4,476	5,337	4,998	5,429	4,704	4,518	4,277	2,858	5,173	5,759	5,125	4,925
25 I-80 EB: County Rd 32B Off-ramp	Diverge	4,771	4,776	4,792	4,647	5,177	5,710	5,203	5,356	4,493	5,187	5,016	5,325	4,715	4,498	4,258	2,914	5,198	5,603	5,146	4,900
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	4,761	4,767	4,786	4,645	5,170	5,683	5,200	5,330	4,488	5,161	5,010	5,293	4,703	4,485	4,239	2,917	5,188	5,566	5,134	4,893
27 I-80 EB: County Rd 32B On-ramp	Merge	4,761	4,765	4,794	4,643	5,173	5,671	5,201	5,312	4,492	5,142	5,014	5,263	4,707	4,481	4,227	2,930	5,189	5,546	5,139	4,898
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	5,022	5,319	5,135	5,301	5,545	6,124	5,557	5,794	4,913	5,659	5,638	5,729	5,087	5,350	4,790	3,666	5,548	5,978	5,502	5,418
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,071	5,322	5,192	5,303	5,585	5,973	5,589	5,673	4,955	5,530	5,675	5,493	5,119	5,347	4,768	3,714	5,584	5,846	5,532	5,490
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,694	4,814	4,691	4,755	5,033	5,368	5,034	5,099	4,430	4,993	5,093	4,920	4,620	4,786			5,038	5,251	5,053	4,952
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															4,346	3,287				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															4,345	3,292				
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,695	4,811	4,694	4,753	5,037	5,359	5,038	5,089	4,435	4,991	5,097	4,915	4,623	4,784	4,344	3,295	5,041	5,241	5,058	4,955
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,371	2,863	3,361	3,196											3,178	2,632				
US 50 EB: I-80 Off to On-ramp	Basic					3,613	3,362	3,605	3,145	3,252	3,102	3,687	3,052	3,338	3,245			3,617	3,361	3,531	3,425
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,385	2,953	3,374	3,211											3,179	2,624				
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,399	2,984	3,377	3,218	3,627	3,529	3,616	3,166	3,267	3,107	3,696	3,082	3,352	3,301	3,181	2,621	3,629	3,478	3,543	3,450
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,105	3,863	3,841	3,951	4,305	4,562	4,276	4,097	3,949	3,967	4,280	3,930	3,916	4,148	3,688	3,466	4,337	4,540	4,295	4,359
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,143	3,930	3,845	3,963	4,311	4,606	4,277	4,124	3,952	3,972	4,279	3,936	3,917	4,172	3,688	3,461	4,336	4,582	4,299	4,358
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,954	3,895	3,317	3,975	3,752	4,871	3,758	4,370	3,445	4,155	3,674	4,108	3,384	4,151	3,209	3,507	3,751	4,835	3,716	4,408
38 US 50 EB: Jefferson Blvd On-ramp	Merge	4,021	3,924	3,286	4,014	3,782	4,986	3,742	4,476	3,470	4,191	3,657	4,154	3,406	4,214	3,220	3,497	3,738	4,941	3,724	4,409
39 US 50 EB: S River Rd On-ramp	Merge	5,667	5,353	4,744	5,343	5,264	6,318	5,239	5,831	5,039	5,569	5,132	5,532	4,926	5,598	4,703	4,595	5,118	6,284	5,125	5,647
40 US 50 EB: I-5 Off-ramp	Basic	6,636	6,169	5,551	6,057	6,097	7,019	6,036	6,544	5,872	6,303	5,939	6,287	5,726	6,295	5,475	5,200	5,882	6,984	5,907	6,273
41 US 50 EB: 5th St Off-ramp	Diverge	5,277	4,736	4,472	4,624	4,905	5,311	4,851	4,958	4,724	4,757	4,762	4,742	4,640	4,812	4,434	3,932	4,715	5,299	4,790	4,759
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	4,510	3,546	3,770	3,510																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					4,179	4,137	4,108	3,837	4,023	3,636	4,045	3,606	3,935	3,675	3,745	2,982	4,010	4,129	4,088	3,694
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	4,521	3,569																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			3,776	3,532																
US 50 EB: HOV Lane Add to I-5 On	Basic			3,779	3,548																
44 US 50 EB: I-5 to 15th St	Weave	4,538	3,605	3,775	3,569	4,196	4,194	4,124	3,896	4,049	3,680	4,063	3,645	3,950	3,710	3,753	2,985	4,025	4,171	4,106	3,711
45 US 50 EB: 15th St to 11th St	Basic	7,439	5,626																		

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,854	2,716	2,168	2,755													2,334	3,085		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					2,305	2,926	2,360	2,823	2,078	2,757	2,332	2,764	2,169	2,742	2,113	1,905			2,102	2,655
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					2,305	2,952	2,359	2,838	2,077	2,775	2,330	2,770	2,168	2,714	2,109	1,899			2,100	2,690
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,852	2,692	2,166	2,740	2,304	2,954	2,359	2,838	2,076	2,777	2,331	2,770	2,168	2,713	2,107	1,899	2,326	3,088	2,100	2,694
63 I-80 EB: US 50 to Reed Ave	Basic	3,063	4,044	3,233	3,890	3,419	4,150	3,461	4,013	3,176	3,932	3,426	3,938	3,265	3,929	3,204	3,130	3,419	4,239	3,345	4,039
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,068	4,036	3,233	3,871	3,423	4,160	3,464	4,020	3,181	3,946	3,427	3,946	3,266	3,934	3,205	3,132	3,423	4,247	3,346	4,052
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,328	3,520	2,324	3,485	2,489	3,792	2,518	3,662	2,276	3,585	2,502	3,601	2,341	3,568	2,273	2,848	2,503	3,894	2,432	3,705
66 I-80 EB: Reed Ave On-ramp	Merge	2,331	3,517	2,327	3,473	2,491	3,799	2,518	3,673	2,278	3,592	2,502	3,613	2,342	3,568	2,275	2,851	2,507	3,899	2,435	3,718
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,866	5,059	2,926	4,884											2,920	4,224				
I-80 EB: Reed Ave to W El Camino Ave	Basic					3,143	5,116	3,171	4,958			3,163	4,923	2,983	4,956			3,143	5,244	3,150	5,059
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,870	5,067	2,939	4,880											2,925	4,219				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,870	5,067	2,940	4,879	3,144	5,170	3,178	4,994	2,944	4,941	3,166	4,965	2,988	4,981	2,925	4,220	3,153	5,283	3,160	5,116
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,357	3,646	2,403	3,603	2,560	3,896	2,588	3,775	2,384	3,727	2,573	3,739	2,437	3,639	2,380	3,013	2,573	3,991	2,579	3,891
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	2,358	3,648	2,404	3,606	2,558	3,922	2,589	3,802	2,386	3,770	2,575	3,760	2,437	3,662	2,381	3,013	2,572	4,009	2,582	3,933
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,843	4,117	2,913	4,078	3,053	4,395	3,085	4,287	2,896	4,266	3,088	4,242	2,946	4,147	2,883	3,475	3,065	4,489	3,078	4,410
73 I-80 EB: W El Camino Ave to I-5	Basic	3,186	4,553	3,360	4,541	3,532	4,908	3,561	4,795	3,377	4,792	3,580	4,749	3,418	4,706	3,349	3,952	3,547	5,012	3,547	4,947
74 I-80 EB: I-5 Off-ramp	Basic	3,186	4,554	3,359	4,541	3,533	4,912	3,562	4,796	3,377	4,795	3,580	4,750	3,419	4,712	3,350	3,951	3,549	5,012	3,547	4,947
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,232	3,185	2,317	3,120	2,459	3,304	2,484	3,196	2,352	3,233	2,497	3,173	2,373	3,251	2,345	2,641	2,460	3,347	2,480	3,275
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,239	3,212	2,324	3,134	2,465	3,317	2,492	3,202	2,362	3,250	2,502	3,183	2,385	3,272	2,353	2,640	2,468	3,353	2,488	3,283
77 I-80 EB: I-5 SB On-ramp	Merge	2,248	3,234	2,329	3,158	2,471	3,327	2,503	3,212	2,377	3,265	2,507	3,189	2,389	3,292	2,357	2,639	2,473	3,358	2,494	3,293
78 I-80 EB: I-5 to Truxel Rd	Weave	3,221	4,131	3,339	4,078	3,488	4,246	3,543	4,148	3,400	4,215	3,499	4,107	3,417	4,231	3,401	3,575	3,509	4,278	3,519	4,211
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	3,925	5,142	3,847	4,853	4,058	5,178	4,098	5,137	3,959	5,173	4,068	5,093	4,001	5,102	3,979	4,461	4,078	5,213	4,088	5,140
80 I-80 EB: Truxel Rd SB On-ramp	Basic	3,932	5,153	3,855	4,881	4,066	5,207	4,105	5,168	3,968	5,205	4,075	5,128	4,006	5,131	3,990	4,467	4,090	5,237	4,098	5,174
81 I-80 EB: Truxel Rd NB On-ramp	Merge	4,649	5,775	4,607	5,521	4,851	5,875	4,885	5,835	4,749	5,863	4,853	5,793	4,783	5,774	4,767	5,069	4,860	5,882	4,882	5,846
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	5,150	6,306	5,155	6,176	5,449	6,558	5,488	6,523	5,347	6,548	5,445	6,477	5,384	6,485	5,381	5,729	5,474	6,556	5,497	6,539
83 I-80 EB: Northgate Blvd Off-ramp	Basic	5,164	6,361	5,176	6,232	5,465	6,614	5,504	6,572	5,361	6,595	5,461	6,539	5,400	6,540	5,391	5,750	5,491	6,610	5,513	6,593

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,376	3,466	3,660	3,718	3,660	3,881	3,681	3,821	3,667	3,845	3,660	3,830	3,633	3,723	3,623	1,067	3,671	3,942	3,671	3,490
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,474	3,581	3,758	3,838	3,754	3,992	3,780	3,918	3,764	3,958	3,753	3,914	3,729	3,840	3,722	1,197	3,768	4,062	3,769	3,573
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,474	3,583	3,757	3,848	3,755	3,975	3,782	3,883	3,766	3,934	3,754	3,836	3,729	3,844	3,722	1,224	3,768	4,053	3,770	3,562
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,474	3,584	3,758	3,847	3,757	3,972	3,782	3,876	3,767	3,928	3,756	3,826	3,730	3,845	3,722	1,228	3,769	4,051	3,770	3,558
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,455	3,559	3,742	3,824	3,740	3,934	3,764	3,802	3,747	3,869	3,742	3,730	3,714	3,824	3,707	1,233	3,755	4,012	3,753	3,531
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,462	3,566	3,741	3,878	3,736	3,916	3,762	3,674	3,742	3,773	3,741	3,562	3,707	3,857	3,705	1,265	3,754	3,929	3,749	3,543
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,861	2,894	3,017	3,247	3,099	3,328	3,121	3,064	3,110	3,162	3,111	2,972	3,002	3,107	2,900	967	3,112	3,299	3,102	3,037
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,863	2,895	3,019	3,377	3,097	3,338	3,122	3,050	3,108	3,114	3,108	2,963	3,002	3,137	2,902	999	3,108	3,244	3,101	3,053
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,663	2,729	2,783	3,268	2,874	3,180	2,901	2,906	2,891	2,944	2,889	2,812	2,771	2,983	2,657	933	2,885	3,051	2,887	2,900
10 I-80 EB: SR 113 On-ramp	Basic	2,661	2,726	2,779	3,311	2,872	3,220	2,899	2,925	2,890	2,953	2,886	2,832	2,769	3,029	2,654	984	2,881	3,022	2,882	2,925
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,138	3,323	3,288	4,027	3,501	4,147	3,512	3,840	3,472	3,846	3,450	3,700	3,410	3,822	3,142	1,756	3,509	3,931	3,499	3,843
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,138	3,322	3,288	4,027	3,500	4,151	3,511	3,843	3,473	3,852	3,449	3,702	3,413	3,831	3,144	1,765	3,508	3,932	3,497	3,853
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,428	3,776	3,595	4,515	3,883	4,724	3,891	4,412	3,843	4,403	3,800	4,242	3,764	4,348	3,488	2,363	3,890	4,481	3,868	4,431
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,428	3,787	3,598	4,518											3,490	2,392				
I-80 EB: Lane Drop to Richards Blvd	Basic					3,884	4,731	3,890	4,423	3,846	4,413	3,800	4,254	3,763	4,359			3,892	4,490	3,870	4,436
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,430	3,799	3,598	4,525											3,490	2,444				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,430	3,802	3,597	4,527	3,884	4,744	3,891	4,452	3,847	4,445	3,801	4,272	3,762	4,389	3,487	2,456	3,890	4,505	3,870	4,467
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	2,922	3,304	3,070	3,911	3,384	4,201	3,390	3,952	3,333	3,911	3,288	3,767	3,203	3,789	2,912	2,126	3,383	3,990	3,369	3,949
18 I-80 EB: Richards Blvd On-ramp	Merge	2,924	3,319	3,072	3,922	3,384	4,223	3,393	3,978	3,333	3,944	3,285	3,796	3,207	3,827	2,915	2,148	3,383	4,000	3,372	3,990
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,176	3,718	3,355	4,329	3,743	4,902	3,754	4,657	3,674	4,544	3,614	4,372	3,514	4,298	3,225	2,650	3,751	4,657	3,735	4,668
20 I-80 EB: Mace Blvd Off-ramp	Diverge	3,186	3,891	3,355	4,356	3,743	4,933	3,750	4,686	3,678	4,592	3,613	4,409	3,514	4,374	3,346	2,700	3,751	4,658	3,731	4,748
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	2,905	3,632	3,067	4,055	3,457	4,651	3,473	4,422	3,400	4,332	3,330	4,151	3,225	3,911	3,073	2,514	3,475	4,395	3,455	4,499
22 I-80 EB: Mace Blvd SB On-ramp	Merge	2,905	3,663	3,067	4,058	3,455	4,652	3,470	4,425	3,396	4,339	3,328	4,156	3,228	3,922	3,095	2,520	3,473	4,397	3,457	4,506
23 I-80 EB: Mace Blvd NB On-ramp	Merge	3,328	4,147	3,503	4,520	4,101	5,245	4,108	5,038	4,036	5,011	3,973	4,869	3,864	4,453	3,628	3,385	4,118	4,990	4,104	5,178
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	3,639	4,490	3,829	4,820	4,566	5,685	4,518	5,498	4,429	5,436	4,283	5,306	4,286	4,843	3,979	3,821	4,572	5,443	4,519	5,638
25 I-80 EB: County Rd 32B Off-ramp	Diverge	3,652	4,599	3,848	4,903	4,585	5,686	4,530	5,591	4,439	5,529	4,293	5,304	4,296	4,932	4,015	3,912	4,585	5,479	4,531	5,820
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	3,646	4,609	3,846	4,903	4,579	5,691	4,519	5,581	4,430	5,529	4,286	5,299	4,290	4,937	4,015	3,912	4,576	5,468	4,521	5,839
27 I-80 EB: County Rd 32B On-ramp	Merge	3,650	4,634	3,835	4,914	4,575	5,691	4,523	5,585	4,427	5,535	4,290	5,306	4,288	4,945	4,036	3,920	4,577	5,472	4,519	5,867
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	3,776	5,031	3,966	5,290	4,747	5,992	4,682	5,883	4,616	5,858	4,567	5,620	4,449	5,376	4,284	4,275	4,743	5,772	4,677	6,215
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	3,804	5,079	3,986	5,293	4,769	6,031	4,709	5,858	4,636	5,931	4,591	5,707	4,470	5,375	4,342	4,296	4,771	5,793	4,709	6,382
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	3,573	4,610	3,653	4,731	4,366	5,417	4,299	5,232	4,246	5,290	4,200	5,062	4,090	4,788			4,378	5,184	4,367	5,743
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															4,020	3,745				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															4,023	3,737				
31 I-80 EB: Enterprise Blvd to US 50	Weave	3,583	4,612	3,658	4,728	4,364	5,424	4,300	5,237	4,246	5,305	4,199	5,065	4,097	4,790	4,027	3,729	4,381	5,187	4,367	5,765
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,640	2,502	2,969	2,874											3,287	2,668				
US 50 EB: I-80 Off to On-ramp	Basic					3,489	3,145	3,404	2,970	3,385	3,075	3,371	2,868	3,266	2,980			3,478	3,003	3,276	3,279
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,647	2,507	2,970	2,874											3,277	2,648				
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,648	2,511	2,971	2,875	3,487	3,134	3,396	2,959	3,346	3,072	3,376	2,866	3,237	2,978	3,271	2,642	3,470	3,001	3,277	3,490
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	3,006	2,841	3,153	3,166	3,792	3,486	3,707	3,329	3,621	3,402	3,668	3,222	3,377	3,286	3,372	2,900	3,777	3,368	3,583	4,356
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	3,010	2,844	3,145	3,166	3,788	3,484	3,701	3,329	3,600	3,401	3,661	3,223	3,326	3,289	3,363	2,891	3,769	3,369	3,578	4,391
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,239	3,204	3,185	3,528	3,741	4,032	3,703	3,842	3,483	3,953	3,641	3,807	3,170	3,621	3,271	3,291	3,657	3,927	3,522	4,773
38 US 50 EB: Jefferson Blvd On-ramp	Merge	3,242	3,277	3,159	3,541	3,677	4,027	3,651	3,844	3,388	3,947	3,616	3,808	3,089	3,620	3,223	3,286	3,613	3,928	3,468	4,786
39 US 50 EB: S River Rd On-ramp	Merge	4,491	4,643	4,451	4,847	5,049	5,331	4,958	5,179	4,595	5,316	5,029	5,194	4,264	5,030	4,340	4,261	4,873	5,271	4,691	6,088
40 US 50 EB: I-5 Off-ramp	Basic	5,019	5,280	5,246	5,559	5,806	6,076	5,734	5,895	5,310	6,057	5,817	5,966	4,953	5,786	5,015	4,849	5,656	6,031	5,452	6,745
41 US 50 EB: 5th St Off-ramp	Diverge	3,948	3,688	4,311	3,915	4,713	4,229	4,695	4,105	4,306	4,224	4,720	4,155	4,045	4,112	4,127	3,446	4,587	4,180	4,473	4,751
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,565	2,940	3,888	3,148																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					4,257	3,452	4,241	3,344	3,899	3,433	4,275	3,378	3,632	3,341	3,743	2,798	4,138	3,414	4,059	3,871
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,570	2,944																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			3,883	3,147																
US 50 EB: HOV Lane Add to I-5 On	Basic			3,880	3,145																
44 US 50 EB: I-5 to 15th St	Weave	3,585	2,946	3,882	3,145	4,250	3,449	4,227	3,343	3,892	3,431	4,243	3,378	3,615	3,342	3,737	2,801	4,142	3,415	4,063	3,868
45 US 50 EB: 15th St to 11th St	Basic	6,367																			



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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,439	2,598	1,679	3,046													1,917	3,373		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					1,864	3,357	1,886	3,256	1,849	3,365	1,836	3,212	1,797	3,025	1,759	2,262			1,623	3,315
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					1,537	2,501	1,559	2,612	1,539	2,621	1,523	2,594	1,458	2,213	1,374	1,273			1,334	2,479
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,068	2,266	1,420	2,251	1,538	2,501	1,560	2,613	1,540	2,621	1,523	2,595	1,458	2,212	1,374	1,273	1,553	2,602	1,334	2,478
63 I-80 EB: US 50 to Reed Ave	Basic	2,128	3,728	2,397	3,496	2,563	3,910	2,575	3,995	2,554	4,006	2,538	3,928	2,470	3,506	2,380	2,632	2,581	3,995	2,466	4,089
64 I-80 EB: Reed Ave Off-ramp	Diverge	2,125	3,730	2,397	3,497	2,561	3,914	2,575	3,997	2,554	4,005	2,539	3,929	2,469	3,502	2,379	2,634	2,582	3,997	2,465	4,078
65 I-80 EB: Reed Ave Off to On-ramp	Basic	1,417	3,292	1,668	3,000	1,804	3,564	1,812	3,644	1,806	3,627	1,789	3,588	1,717	3,173	1,644	2,335	1,825	3,649	1,722	3,681
66 I-80 EB: Reed Ave On-ramp	Merge	1,413	3,287	1,667	3,001	1,805	3,561	1,810	3,627	1,806	3,603	1,787	3,564	1,719	3,172	1,645	2,337	1,827	3,635	1,721	3,657
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	1,712	4,532	2,006	4,325											2,009	3,771				
I-80 EB: Reed Ave to W El Camino Ave	Basic					2,168	4,854	2,187	4,826	2,173	4,799	2,157	4,721	2,077	4,593			2,193	4,834	2,134	4,729
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	1,702	4,522	1,998	4,326											2,006	3,789				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	1,701	4,522	1,999	4,327	2,167	4,657	2,181	4,595	2,170	4,567	2,149	4,502	2,075	4,599	2,006	3,790	2,193	4,594	2,133	4,504
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	1,514	3,734	1,760	3,777	1,909	3,851	1,924	3,817	1,911	3,778	1,884	3,741	1,829	3,839	1,764	3,059	1,933	3,808	1,888	3,733
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	1,509	3,732	1,759	3,775	1,910	3,788	1,924	3,757	1,910	3,723	1,884	3,679	1,830	3,835	1,766	3,060	1,933	3,752	1,888	3,692
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	1,852	4,098	2,106	4,147	2,246	4,120	2,270	4,094	2,250	4,061	2,231	4,014	2,172	4,215	2,113	3,442	2,279	4,098	2,234	4,047
73 I-80 EB: W El Camino Ave to I-5	Basic	2,023	4,569	2,327	4,668	2,485	4,590	2,509	4,574	2,485	4,537	2,472	4,498	2,411	4,739	2,345	4,004	2,520	4,584	2,464	4,569
74 I-80 EB: I-5 Off-ramp	Basic	2,023	4,568	2,327	4,669	2,485	4,587	2,508	4,570	2,486	4,532	2,472	4,495	2,411	4,734	2,344	4,005	2,519	4,581	2,464	4,569
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	1,511	3,493	1,699	3,469	1,838	3,491	1,852	3,481	1,838	3,455	1,837	3,406	1,780	3,480	1,739	2,900	1,851	3,496	1,817	3,509
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	1,503	3,477	1,696	3,464	1,838	3,488	1,850	3,474	1,838	3,443	1,836	3,401	1,779	3,455	1,738	2,907	1,850	3,497	1,814	3,508
77 I-80 EB: I-5 SB On-ramp	Merge	1,502	3,444	1,697	3,449	1,837	3,487	1,850	3,476	1,836	3,441	1,837	3,404	1,777	3,435	1,736	2,924	1,849	3,495	1,813	3,505
78 I-80 EB: I-5 to Truxel Rd	Weave	2,038	4,390	2,264	4,451	2,395	4,502	2,422	4,486	2,409	4,457	2,404	4,395	2,352	4,452	2,319	4,015	2,428	4,503	2,392	4,517
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	2,933	5,937	3,027	5,983	3,207	6,095	3,225	6,080	3,216	6,031	3,218	5,983	3,160	6,027	3,154	5,733	3,225	6,086	3,210	6,100
80 I-80 EB: Truxel Rd SB On-ramp	Basic	2,930	5,936	3,026	5,983	3,208	6,093	3,224	6,082	3,217	6,029	3,220	5,985	3,160	6,029	3,151	5,735	3,222	6,090	3,209	6,100
81 I-80 EB: Truxel Rd NB On-ramp	Merge	3,160	6,560	3,275	6,570	3,468	6,694	3,485	6,671	3,478	6,629	3,481	6,602	3,418	6,636	3,406	6,367	3,482	6,695	3,464	6,701
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	3,508	6,936	3,659	7,036	3,892	7,169	3,905	7,142	3,903	7,121	3,902	7,090	3,842	7,137	3,836	6,892	3,906	7,175	3,889	7,189
83 I-80 EB: Northgate Blvd Off-ramp	Basic	3,499	6,910	3,659	7,040	3,894	7,168	3,906	7,141	3,902	7,125	3,901	7,105	3,842	7,144	3,836	6,911	3,909	7,170	3,891	7,190

I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 1  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	5,013	5,362	5,734	5,559	6,170	5,794	6,180	5,764	6,061	5,724	6,107	5,737	5,975	5,711	4,106	2,900	6,212	5,733	6,131	5,731
102 US 50 WB: SR 51 to 16th St	Weave	7,702	7,488	8,568	7,483	9,044	7,697	9,133	7,647	9,029	7,626	9,052	7,572	8,751	7,970	5,323	3,490	9,151	7,591	9,043	7,592
103 US 50 WB: 10th St Off-ramp	Diverge	7,976	8,159	9,010	8,359	9,464	8,644	9,537	8,585	9,438	8,570	9,458	8,518	9,098	8,625	5,749	4,301	9,587	8,594	9,460	8,541
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	7,336	7,499	8,309	7,694	8,738	7,984	8,824	7,926	8,712	7,914	8,742	7,859	8,386	7,961	5,222	3,974	8,861	7,938	8,748	7,893
105 US 50 WB: 15th St to I-5	Weave	7,336	7,407	8,312	7,559	8,739	7,837	8,822	7,773	8,713	7,787	8,743	7,709	8,351	7,856	5,153	3,993	8,858	7,794	8,748	7,767
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,570	4,356	5,280	4,450	5,801	4,774	5,851	4,715	5,771	4,767	5,778	4,717	5,357	4,710	3,069	2,782	5,896	4,744	5,801	4,785
107 US 50 WB: 5th St On-ramp	Merge	4,566	4,359	5,265	4,453	5,804	4,782	5,852	4,719	5,774	4,771	5,777	4,722	5,297	4,711	3,351	2,799	5,897	4,748	5,805	4,789
108 US 50 WB: I-5 On-ramp	Merge	4,664	4,665	5,405	4,759	5,969	5,074	6,014	5,006	5,935	5,069	5,936	5,025	5,388	5,020	3,450	3,120	6,065	5,046	5,972	5,085
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	6,199	5,391	7,015	5,595	7,772	6,010	7,772	5,951	7,681	5,958	7,710	5,953	6,470	5,895	4,320	3,999	7,873	5,957	7,720	6,056
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	5,375	3,529	5,796	4,087	6,324	4,550	6,338	4,511	6,241	4,516	6,257	4,456	5,201	4,276	3,454	2,900	6,444	4,524	6,310	4,548
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	5,374	3,535	5,740	4,097																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					6,327	4,565	6,334	4,521	6,241	4,533	6,252	4,479	5,144	4,285	3,360	2,901	6,453	4,542	6,311	4,562
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	5,698	4,047	6,088	4,724																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	5,696	4,049	6,048	4,729																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	5,694	4,048	6,013	4,732																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	4,003	3,068	4,177	3,210	4,839	3,616	4,852	3,562	4,763	3,586	4,796	3,554	3,879	3,400	2,622	2,220	4,917	3,587	4,827	3,612
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	4,003	3,069	4,083	3,215	4,834	3,615	4,852	3,562	4,752	3,589	4,794	3,555	3,880	3,403	2,629	2,220	4,908	3,589	4,811	3,612
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	4,279	3,511	4,264	3,607	5,090	3,983	5,108	3,926	5,007	3,941	5,047	3,909	4,138	3,805	2,897	2,495	5,159	3,952	5,127	4,054
118 US 50 WB: I-80 EB Off-ramp	Basic	4,461	3,690	4,362	3,788	5,290	4,184	5,311	4,123	5,193	4,141	5,247	4,111	4,329	3,991	3,099	2,621	5,358	4,157	5,309	4,253
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	3,406	2,261	3,425	2,556	4,252	2,801	4,281	2,771	4,158	2,800	4,222	2,805	3,379	2,682	2,349	1,992	4,318	2,785	4,173	2,662
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	3,345	2,263	3,406	2,561	4,253	2,801	4,287	2,773	4,159	2,803	4,223	2,806	3,377	2,684	2,144	1,975	4,312	2,787	4,173	2,662
121 I-80 WB: US 50 to W Capitol Ave	Weave	3,294	2,266	3,392	2,565	4,257	2,803	4,296	2,778	4,162	2,805	4,221	2,814	3,378	2,688	2,335	1,994	4,310	2,792	4,168	2,663
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	5,197	4,119	5,594	4,391											4,519	3,848				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					6,607	5,209	6,778	5,171	6,563	5,158	6,609	5,123	5,785	4,500			7,118	5,156	6,624	4,979
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	5,178	4,122	5,590	4,390											4,522	3,848				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	5,161	4,122	5,588	4,392	6,611	5,210	6,775	5,172	6,560	5,162	6,608	5,124	5,779	4,499	4,519	3,850	7,118	5,160	6,625	4,982
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	5,286	4,203	5,738	4,482	6,772	5,312	6,936	5,283	6,725	5,273	6,770	5,232	5,931	4,594	4,653	3,934	7,276	5,261	6,768	5,118
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,607	4,418	5,957	4,604	7,008	5,435	7,180	5,397	6,962	5,402	7,013	5,356	6,160	4,720	4,866	4,045	7,548	5,377	7,010	5,346
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,586	4,425	5,961	4,628	7,014	5,447	7,185	5,430	6,969	5,422	7,014	5,367	6,164	4,740	4,870	4,046	7,547	5,400	7,015	5,375
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,418	4,201	5,693	4,332	6,807	5,231	6,969	5,206	6,641	5,144	6,600	5,079	5,852	4,465	4,625	3,774	7,287	5,192	6,774	5,152
129 I-80 WB: County Rd 32A On-ramp	Merge	5,414	4,198	5,698	4,334	6,810	5,236	6,970	5,206	6,637	5,149	6,603	5,086	5,852	4,468	4,623	3,774	7,285	5,200	6,774	5,155
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,436	4,215	5,721	4,354	6,829	5,254	6,992	5,223	6,666	5,167	6,626	5,105	5,873	4,483	4,649	3,790	7,316	5,212	6,800	5,175
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,406	4,206	5,721	4,369	6,824	5,278	6,987	5,225	6,670	5,181	6,621	5,108	5,890	4,489	4,654	3,800	7,318	5,226	6,812	5,203
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	4,698	3,470	4,995	3,606	5,799	4,241	5,934	4,194	5,727	4,227	5,694	4,152	5,098	3,678	4,056	3,118	6,234	4,203	5,785	4,169
133 I-80 WB: Mace Blvd On-ramp	Merge	4,685	3,473	4,993	3,614	5,796	4,243	5,935	4,204	5,722	4,232	5,691	4,158	5,094	3,680	4,058	3,118	6,234	4,205	5,779	4,172
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	4,907	3,868	5,196	4,010	6,018	4,645	6,143	4,612	5,932	4,627	5,913	4,549	5,297	4,084	4,288	3,532	6,434	4,605	5,987	4,579
135 I-80 WB: Lane Drop to Olive Dr	Basic	4,906	3,866																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,196	4,010	6,019	4,646	6,143	4,612	5,930	4,630	5,913	4,550	5,298	4,084	4,287	3,533	6,433	4,606	5,986	4,577
136 I-80 WB: Olive Dr Off-ramp	Diverge	4,891	3,860																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,820	3,763																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	4,820	3,761																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,185	4,023	6,018	4,657	6,148	4,606	5,943	4,630	5,921	4,566	5,302	4,086	4,293	3,537	6,434	4,609	5,982	4,585
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,664	3,552																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,613	3,625	5,295	4,111	5,414	4,073	5,233	4,129	5,240	4,079	4,704	3,681	3,794	3,142	5,669	4,064	5,269	4,044
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,659	3,553																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,754	3,810																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,753	3,808																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,617	3,629	5,296	4,108	5,408	4,078	5,229	4,129	5,240	4,080	4,701	3,681	3,802	3,137	5,669	4,061	5,267	4,049
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,834	4,059	4,934	4,279	5,595	4,734	5,707	4,695	5,538	4,766	5,542	4,693	5,012	4,351	4,130	3,772	5,973	4,616	5,574	4,669
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	4,823	4,052	4,935	4,274	5,593	4,738	5,708	4,691	5,542	4,771	5,544	4,691	5,014	4,350	4,136	3,763	5,973	4,618	5,577	4,671
145 I-80 WB: SR 113 Off-ramp	Diverge	4,552	3,903	4,603	4,049	5,210	4,470	5,319	4,438	5,170	4,513	5,167	4,436	4,674	4,114	3,857	3,559	5,547	4,370	5,202	4,405
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	4,041	3,106	3,994	3,276	4,459	3,496	4,535	3,475	4,435	3,589	4,439	3,567	4,047	3,306	3,298	2,827	4,779	3,446	4,453	3,446
147 I-80 WB: Old Davis Rd On-ramp	Merge	4,033	3,101	3,990	3,277	4,460	3,495	4,536	3,471	4,440	3,590	4,432	3,572	4,045	3,308	3,298	2,831	4,787	3,448	4,457	3,444
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	4,045	3,203	4,016	3,410	4,490	3,614	4,566	3,590	4,469	3,709	4,458	3,696	4,071	3,442	3,326	2,985	4,810	3,564	4,481	3,555
149 I-80 WB: SR 113 to Kidwell Rd	Weave	4,039	3,204	4,017	3,416	4,488	3,614	4,568	3,589	4,468	3,712	4,462	3,699	4,076	3,447	3,324	2,984	4,810	3,563	4,482	3,555
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,579	3,995	4,656	4,308	5,025	4,371	5,105	4,361	5,014	4,466	5,003	4,469	4,725	4,367	4,167	4,066	5,369	4,302	5,029	4,307
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,565	3,988	4,654	4,300	5,018	4,374	5,100	4,358	5,014	4,461	5,000	4,468	4,724	4,361	4,172	4,071	5,367	4,304	5,027	4,308
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,583	4,005	4,686	4,311	5,034	4,388	5,122	4,374	5,033	4,478	5,019	4,488	4,748	4,374	4,190	4,089	5,391	4,320	5,047	4,330

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	5,789	5,579	6,014	5,715	6,356	6,112	6,383	6,119	6,334	6,067	6,368	6,052	6,211	5,914	6,117	5,883	6,323	6,069	6,321	6,032
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	5,596	5,150	5,884	5,181	6,246	5,542	6,270	5,540	6,227	5,501	6,278	5,491	6,074	5,355	5,967	5,322	6,237	5,513	6,197	5,466
163 I-80 WB: Truxel Rd NB On-ramp	Basic	5,583	5,151	5,886	5,182	6,256	5,545	6,269	5,542	6,235	5,503	6,281	5,491	6,081	5,352	5,973	5,319	6,242	5,519	6,200	5,469
164 I-80 WB: Truxel Rd to I-5	Weave	5,942	5,373	6,320	5,403	6,737	5,765	6,713	5,759	6,699	5,722	6,732	5,713	6,571	5,565	6,416	5,541	6,710	5,739	6,664	5,683
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	3,639	2,957	3,940	3,037	4,259	3,364	4,260	3,347	4,192	3,341	4,256	3,343	4,114	3,162	3,807	3,120	4,299	3,297	4,207	3,267
166 I-80 WB: I-5 NB On-ramp	Merge	3,632	2,957	3,944	3,035	4,258	3,362	4,259	3,348	4,184	3,340	4,255	3,343	4,115	3,159	3,704	3,122	4,297	3,297	4,210	3,269
167 I-80 WB: I-5 to W El Camino Ave	Weave	3,704	3,095	4,019	3,202	4,346	3,536	4,348	3,527	4,271	3,512	4,346	3,518	4,204	3,329	3,771	3,295	4,388	3,470	4,297	3,437
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	4,137	3,447	4,473	3,657	4,977	4,185	5,126	4,184	4,990	4,165	5,039	4,161	4,823	3,786	4,170	3,780	5,206	4,111	5,022	4,059
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	4,132	3,446	4,433	3,656	4,942	4,183	5,110	4,186	4,952	4,165	5,010	4,161	4,816	3,787	4,177	3,780	5,216	4,112	4,992	4,062
170 I-80 WB: W El Camino EB On-ramp	Merge	4,410	3,725	4,649	3,993	5,182	4,527	5,390	4,528	5,206	4,511	5,268	4,499	5,107	4,139	4,469	4,123	5,527	4,462	5,239	4,378
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	4,668	3,959	4,887	4,231										4,569	4,211					
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,412	4,816	5,632	4,814	5,427	4,794	5,505	4,775	5,376	4,375			5,812	4,741	5,471	4,662
172 I-80 WB: Lane Drop to Reed Ave	Basic	4,663	3,958	4,867	4,231										4,719	4,354					
173 I-80 WB: Reed Ave Off-ramp	Diverge	4,628	3,947	4,778	4,230	5,183	4,809	5,412	4,807	5,227	4,788	5,274	4,774	5,329	4,370	4,720	4,361	5,816	4,730	5,243	4,658
174 I-80 WB: Reed Ave Off to On-ramp	Basic	3,329	3,057	3,489	3,277	3,835	3,846	4,011	3,838	3,904	3,830	3,903	3,825	3,888	3,382	3,367	3,347	4,427	3,763	3,855	3,677
175 I-80 WB: Reed Ave On-ramp	Merge	3,320	3,058	3,443	3,280	3,746	3,836	3,930	3,828	3,817	3,803	3,810	3,792	3,826	3,380	3,367	3,349	4,425	3,764	3,752	3,671
176 I-80 WB: Reed Ave to US 50	Basic	3,495	3,919	3,577	4,159	3,919	4,784	4,094	4,783	3,985	4,732	3,974	4,711	3,952	4,257	3,568	4,194	4,628	4,716	3,903	4,623
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	3,491	3,920	3,573	4,162	3,923	4,783	4,088	4,783	3,983	4,734	3,974	4,711	3,932	4,257	3,569	4,195	4,630	4,717	3,902	4,622
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	2,739	2,306	3,017	2,647	3,267	3,121	3,422	3,109	3,312	3,080	3,299	3,082	3,287	2,676	2,910	2,622			3,143	2,786
I-80 WB: US 50 Off to On-ramp	Basic																	3,893	3,040		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	2,733	2,305	3,018	2,647	3,267	3,121	3,422	3,108	3,311	3,080	3,299	3,081	3,284	2,676	2,911	2,623			3,142	2,786



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	5,394	4,566	5,939	4,652	6,133	4,639	6,149	4,568	6,162	4,865	6,126	4,728	6,092	4,612	2,275	2,975	6,141	4,776	6,100	4,951
102 US 50 WB: SR 51 to 16th St	Weave	7,339	6,174	7,941	5,674	8,105	5,557	8,294	5,546	8,323	5,908	8,281	5,775	8,134	5,552	2,647	3,592	8,133	5,829	8,058	6,046
103 US 50 WB: 10th St Off-ramp	Diverge	7,628	6,810	8,394	6,472	8,593	6,463	8,806	6,471	8,827	6,852	8,785	6,672	8,561	6,126	3,283	4,457	8,639	6,734	8,602	7,058
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	6,455	6,113	7,156	5,839	7,340	5,829	7,536	5,830	7,555	6,186	7,524	5,992	7,283	5,498	2,892	4,012	7,377	6,084	7,361	6,367
105 US 50 WB: 15th St to I-5	Weave	6,460	6,101	7,164	5,845	7,347	5,818	7,549	5,815	7,559	6,165	7,530	5,992	7,333	5,444	2,872	4,004	7,390	6,058	7,369	6,344
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,147	3,835	4,676	3,722	5,009	4,018	5,094	4,008	5,118	4,111	5,085	3,940	4,865	3,498	1,908	2,660	5,017	4,178	5,005	4,162
107 US 50 WB: 5th St On-ramp	Merge	4,150	3,834	4,704	3,723	5,010	4,017	5,098	4,010	5,122	4,110	5,090	3,939	4,930	3,498	2,101	2,669	5,022	4,175	5,006	4,161
108 US 50 WB: I-5 On-ramp	Merge	4,400	4,272	5,007	4,155	5,321	4,516	5,399	4,513	5,428	4,596	5,395	4,426	5,283	3,929	2,319	3,112	5,329	4,687	5,303	4,651
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	5,860	5,333	6,421	5,336	7,061	5,893	7,108	5,900	7,098	5,994	7,063	5,768	6,593	5,172	2,917	4,333	7,049	6,070	7,012	5,986
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,486	3,361	4,848	3,816	5,429	4,390	5,468	4,386	5,460	4,409	5,420	4,227	4,925	3,720	2,317	3,050	5,429	4,532	5,391	4,420
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	4,504	3,348	4,813	3,814																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					5,446	4,388	5,491	4,388	5,476	4,402	5,435	4,225	4,936	3,723	2,268	3,044	5,446	4,523	5,411	4,413
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,912	4,249	5,308	4,930																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,917	4,247	5,306	4,925																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	4,921	4,245	5,313	4,923																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	3,327	2,961	3,654	3,187	4,232	3,726	4,266	3,750	4,268	3,706	4,247	3,558	3,760	3,247	2,090	2,932	4,237	3,817	4,259	3,541
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	3,328	2,961	3,647	3,186	4,240	3,726	4,267	3,749	4,285	3,705	4,251	3,559	3,759	3,246	2,090	2,932	4,247	3,814	4,278	3,540
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	3,856	3,470	4,127	3,615	4,804	4,188	4,822	4,207	4,818	4,148	4,811	3,967	4,247	3,728	2,574	3,472	4,812	4,245	4,878	4,182
118 US 50 WB: I-80 EB Off-ramp	Basic	4,061	3,727	4,339	3,892	5,065	4,505	5,058	4,526	5,089	4,474	5,049	4,273	4,459	4,027	2,788	3,807	5,057	4,570	5,140	4,494
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	2,687	2,097	3,142	2,486	3,778	2,958	3,758	2,955	3,818	2,965	3,768	2,808	3,205	2,571	1,968	2,518	3,763	2,981	3,743	2,850
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	2,635	2,097	3,129	2,481	3,790	2,959	3,757	2,955	3,828	2,963	3,779	2,807	3,202	2,571	1,775	2,497	3,771	2,980	3,753	2,851
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,629	2,097	3,122	2,479	3,797	2,957	3,753	2,952	3,835	2,958	3,789	2,805	3,190	2,570	1,954	2,512	3,767	2,977	3,768	2,849
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	4,498	3,996	5,031	4,340											3,861	3,995				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					5,937	5,149	6,156	5,168	5,925	5,177	6,054	5,033	5,192	4,443			6,018	5,152	5,882	5,147
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	4,491	3,996	5,028	4,341											3,856	3,983				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	4,484	3,996	5,022	4,343	5,922	5,150	6,154	5,172	5,916	5,181	6,052	5,037	5,188	4,446	3,851	3,975	6,054	5,150	5,869	5,148
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	4,827	4,146	5,348	4,494	6,202	5,392	6,429	5,426	6,184	5,427	6,322	5,307	5,465	4,605	4,189	4,130	6,361	5,396	6,189	5,397
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,558	4,506	5,806	4,744	6,707	5,649	6,930	5,682	6,670	5,676	6,798	5,548	5,938	4,844	4,611	4,343	6,892	5,645	6,686	5,748
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,570	4,493	5,818	4,732	6,731	5,646	6,948	5,667	6,681	5,681	6,825	5,556	5,946	4,845	4,628	4,325	6,968	5,646	6,718	5,748
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,323	4,218	5,425	4,362	6,344	5,361	6,543	5,365	6,234	5,324	6,322	5,251	5,447	4,458	4,242	3,952	6,604	5,383	6,355	5,450
129 I-80 WB: County Rd 32A On-ramp	Merge	5,327	4,220	5,427	4,358	6,345	5,359	6,551	5,367	6,237	5,323	6,324	5,250	5,452	4,455	4,244	3,952	6,615	5,380	6,356	5,448
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,342	4,254	5,439	4,392	6,356	5,391	6,569	5,360	6,253	5,349	6,341	5,279	5,471	4,490	4,260	3,980	6,630	5,415	6,368	5,482
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,372	4,271	5,453	4,385	6,397	5,383	6,593	5,416	6,284	5,344	6,364	5,280	5,477	4,492	4,300	3,971	6,689	5,411	6,383	5,462
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	4,598	3,379	4,725	3,463	5,354	4,084	5,518	4,122	5,271	4,121	5,376	3,995	4,673	3,516	3,694	3,068	5,610	4,103	5,320	4,133
133 I-80 WB: Mace Blvd On-ramp	Merge	4,607	3,375	4,733	3,458	5,362	4,094	5,526	4,120	5,277	4,118	5,380	3,991	4,680	3,517	3,697	3,067	5,626	4,105	5,328	4,136
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	5,057	3,752	5,209	3,840	5,794	4,472	5,969	4,505	5,717	4,505	5,815	4,379	5,123	3,900	4,143	3,463	6,064	4,488	5,766	4,514
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,058	3,755																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,210	3,840	5,796	4,470	5,971	4,506	5,720	4,504	5,817	4,380	5,125	3,899	4,144	3,463	6,066	4,490	5,768	4,513
136 I-80 WB: Olive Dr Off-ramp	Diverge	5,058	3,764																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,828	3,670																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	4,827	3,673																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,213	3,836	5,809	4,467	5,981	4,519	5,730	4,516	5,819	4,376	5,121	3,912	4,150	3,464	6,092	4,501	5,789	4,519
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,580	3,473																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,462	3,421	5,003	3,891	5,096	3,935	4,921	3,945	5,039	3,878	4,404	3,487	3,591	3,064	5,167	3,889	4,995	3,950
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,585	3,472																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,814	3,792																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,814	3,793																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,463	3,419	5,009	3,903	5,105	3,936	4,926	3,947	5,044	3,878	4,412	3,489	3,596	3,069	5,177	3,902	4,998	3,949
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,962	4,050	5,008	4,140	5,545	4,578	5,634	4,603	5,464	4,626	5,565	4,550	4,958	4,220	4,170	3,733	5,707	4,510	5,531	4,626
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	4,966	4,056	5,011	4,144	5,547	4,582	5,631	4,608	5,463	4,627	5,571	4,553	4,961	4,224	4,167	3,735	5,710	4,511	5,534	4,625
145 I-80 WB: SR 113 Off-ramp	Diverge	4,635	3,863	4,607	3,891	5,072	4,258	5,131	4,288	4,996	4,319	5,089	4,261	4,545	3,957	3,816	3,494	5,195	4,194	5,046	4,306
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	3,883	2,998	3,786	3,045	4,062	3,255	4,130	3,263	4,051	3,316	4,110	3,316	3,680	3,090	3,105	2,724	4,202	3,221	4,053	3,255
147 I-80 WB: Old Davis Rd On-ramp	Merge	3,890	3,004	3,788	3,044	4,071	3,258	4,135	3,266	4,051	3,315	4,121	3,315	3,688	3,093	3,111	2,720	4,204	3,225	4,059	3,255
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	3,923	3,201	3,833	3,267	4,126	3,466	4,187	3,475	4,102	3,522	4,172	3,514	3,738	3,327	3,164	3,061	4,266	3,443	4,108	3,462
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,924	3,201	3,839	3,268	4,133	3,467	4,193	3,476	4,104	3,524	4,171	3,516	3,739	3,323	3,168	3,064	4,280	3,451	4,114	3,464
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,918	4,063	4,896	4,213	5,000	4,278	5,053	4,282	4,964	4,339	5,045	4,310	4,716	4,269	4,472	4,187	5,149	4,226	5,003	4,261
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,922	4,064	4,894	4,217	5,002	4,283	5,058	4,282	4,972	4,340	5,052	4,311	4,720	4,272	4,468	4,185	5,153	4,225	5,011	4,259
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,954	4,081	4,926	4,239	5,045	4,296	5,102	4,293	5,016	4,353	5,097	4,325	4,762	4,293	4,510	4,199	5,198	4,236	5,053	4,274
1																					

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	6,977	5,822	6,343	6,058	5,723	6,374	6,909	6,376	5,765	6,355	6,125	6,360	7,159	6,273	6,447	6,342	7,238	6,384	5,946	6,350
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	6,324	5,326	5,627	5,382	5,266	5,643	6,346	5,657	5,236	5,648	5,574	5,639	6,458	5,539	5,619	5,587	6,665	5,660	5,396	5,632
163 I-80 WB: Truxel Rd NB On-ramp	Basic	6,311	5,327	5,593	5,384	5,233	5,642	6,334	5,656	5,200	5,647	5,543	5,640	6,439	5,541	5,566	5,590	6,648	5,656	5,361	5,631
164 I-80 WB: Truxel Rd to I-5	Weave	6,626	5,530	5,894	5,581	5,549	5,852	6,671	5,860	5,513	5,852	5,846	5,846	6,759	5,744	5,824	5,791	6,989	5,860	5,637	5,842
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	4,229	3,162	3,682	3,215	3,691	3,437	4,288	3,441	3,662	3,429	3,853	3,436	4,235	3,290	3,577	3,259	4,560	3,440	3,730	3,435
166 I-80 WB: I-5 NB On-ramp	Merge	4,229	3,161	3,615	3,218	3,626	3,440	4,238	3,438	3,599	3,429	3,811	3,437	4,206	3,293	3,535	3,261	4,564	3,441	3,658	3,434
167 I-80 WB: I-5 to W El Camino Ave	Weave	4,304	3,366	3,617	3,479	3,627	3,691	4,254	3,694	3,607	3,683	3,840	3,705	4,236	3,550	3,637	3,523	4,647	3,703	3,664	3,696
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	4,600	3,866	3,988	4,084	4,100	4,488	4,696	4,498	4,039	4,485	4,299	4,461	4,466	4,185	3,954	4,155	5,254	4,452	4,074	4,443
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	4,603	3,864	3,994	4,085	4,103	4,489	4,683	4,496	4,045	4,483	4,297	4,462	4,448	4,184	3,949	4,146	5,257	4,451	4,073	4,441
170 I-80 WB: W El Camino EB On-ramp	Merge	5,013	4,246	4,380	4,493	4,531	4,925	5,077	4,930	4,471	4,922	4,736	4,917	4,803	4,621	4,265	4,549	5,697	4,879	4,484	4,855
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	5,538	4,452	4,867	4,706											4,478	4,573				
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,064	5,207	5,616	5,206	5,013	5,181	5,235	5,183	5,251	4,838			6,209	5,152	4,997	5,115
172 I-80 WB: Lane Drop to Reed Ave	Basic	5,539	4,453	4,868	4,706											4,675	4,696				
173 I-80 WB: Reed Ave Off-ramp	Diverge	5,527	4,452	4,852	4,703	5,135	5,206	5,661	5,202	5,049	5,184	5,291	5,183	5,236	4,842	4,678	4,573	6,135	5,158	5,077	5,116
174 I-80 WB: Reed Ave Off to On-ramp	Basic	4,034	3,231	3,527	3,445	3,873	3,927	4,261	3,936	3,790	3,925	3,974	3,924	3,776	3,523	3,287	3,320	4,597	3,878	3,850	3,818
175 I-80 WB: Reed Ave On-ramp	Merge	4,032	3,233	3,524	3,445	3,893	3,912	4,275	3,927	3,831	3,883	4,009	3,878	3,764	3,527	3,288	3,266	4,532	3,877	3,881	3,803
176 I-80 WB: Reed Ave to US 50	Basic	4,312	4,141	3,834	4,310	4,225	4,874	4,615	4,885	4,200	4,836	4,372	4,826	4,083	4,400	3,578	4,027	4,794	4,837	4,236	4,765
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	4,310	4,141	3,836	4,309	4,221	4,875	4,612	4,888	4,204	4,836	4,373	4,827	4,083	4,398	3,576	4,005	4,774	4,837	4,238	4,765
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	2,739	2,293	2,758	2,592	3,039	2,964	3,319	2,981	3,010	2,962	3,190	2,960	2,879	2,623	2,537	2,317			2,844	2,712
I-80 WB: US 50 Off to On-ramp	Basic																	3,332	2,941		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	2,742	2,294	2,755	2,594	3,038	2,965	3,318	2,981	3,009	2,965	3,185	2,962	2,879	2,625	2,537	2,284			2,845	2,713

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	5,588	5,558	5,495	4,974	5,793	4,407	5,690	4,219	5,682	4,866	5,689	4,333	5,625	4,237	3,121	2,533	5,718	4,230	5,758	4,722
102 US 50 WB: SR 51 to 16th St	Weave	7,681	7,759	7,765	6,049	8,238	5,319	8,033	5,048	8,007	5,861	8,025	5,157	8,043	4,803	3,543	3,128	8,149	4,954	8,188	5,779
103 US 50 WB: 10th St Off-ramp	Diverge	7,797	7,934	8,075	6,676	8,530	6,139	8,366	5,773	8,313	6,565	8,337	5,780	8,265	5,281	4,158	3,926	8,469	5,634	8,498	6,419
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	6,618	7,124	6,912	5,983	7,356	5,559	7,220	5,214	7,154	5,901	7,181	5,188	7,090	4,754	3,511	3,549	7,296	5,093	7,311	5,782
105 US 50 WB: 15th St to I-5	Weave	6,619	7,208	6,912	5,972	7,358	5,613	7,220	5,221	7,157	5,932	7,180	5,164	7,093	4,762	3,605	3,553	7,295	5,082	7,313	5,770
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,202	4,556	4,504	3,730	4,960	3,814	4,879	3,561	4,830	3,867	4,819	3,368	4,655	2,990	2,422	2,491	4,961	3,421	4,933	3,773
107 US 50 WB: 5th St On-ramp	Merge	4,202	4,541	4,504	3,728	4,961	3,812	4,881	3,563	4,832	3,865	4,820	3,368	4,661	2,993	2,637	2,508	4,960	3,427	4,935	3,778
108 US 50 WB: I-5 On-ramp	Merge	4,440	4,997	4,804	4,219	5,305	4,274	5,217	4,026	5,175	4,333	5,151	3,829	4,977	3,474	2,922	3,009	5,302	3,900	5,276	4,252
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	5,778	6,078	6,419	5,465	7,048	5,847	6,962	5,614	6,874	5,777	6,887	5,372	6,336	4,818	3,700	4,355	7,004	5,452	6,949	5,857
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,215	3,754	4,757	3,899	5,282	4,306	5,218	4,147	5,138	4,258	5,150	3,887	4,668	3,463	2,726	3,118	5,235	3,997	5,201	4,324
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	4,214	3,755	4,806	3,897																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					5,282	4,302	5,220	4,147	5,142	4,253	5,163	3,884	4,657	3,469	2,782	3,106	5,240	4,012	5,202	4,329
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,586	4,757	5,345	5,012																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,583	4,755	5,352	5,013																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	4,582	4,755	5,362	5,012																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	3,197	3,291	3,867	3,170	4,265	3,540	4,215	3,470	4,153	3,548	4,195	3,355	3,726	3,006	2,503	2,926	4,215	3,418	4,164	3,495
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	3,198	3,289	3,877	3,171	4,265	3,540	4,215	3,471	4,155	3,545	4,195	3,353	3,728	3,007	2,510	2,925	4,209	3,420	4,164	3,497
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	3,622	3,702	4,264	3,571	4,668	3,926	4,609	3,848	4,606	3,915	4,606	3,737	4,123	3,409	2,944	3,220	4,614	3,806	4,705	3,920
118 US 50 WB: I-80 EB Off-ramp	Basic	3,836	3,946	4,480	3,809	4,913	4,203	4,854	4,122	4,852	4,182	4,847	4,006	4,343	3,665	3,179	3,474	4,851	4,082	4,934	4,197
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	2,701	2,564	3,343	2,682	3,748	2,992	3,716	2,950	3,682	2,989	3,693	2,873	3,198	2,535	2,208	2,448	3,699	2,894	3,645	2,806
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	2,814	2,563	3,334	2,683	3,747	2,991	3,721	2,949	3,686	2,988	3,694	2,873	3,205	2,535	2,056	2,389	3,702	2,895	3,643	2,807
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,869	2,560	3,337	2,681	3,754	2,988	3,737	2,953	3,706	2,987	3,697	2,874	3,207	2,535	2,211	2,396	3,712	2,896	3,643	2,806
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	4,760	4,070	4,965	4,258											3,952	3,695				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					5,868	5,038	6,137	5,013	5,870	4,956	5,898	4,917	5,247	4,146			5,789	4,905	5,768	4,839
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	4,769	4,052	4,967	4,258											3,951	3,691				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	4,772	4,040	4,965	4,258	5,875	5,034	6,127	5,009	5,867	4,953	5,893	4,917	5,257	4,144	3,953	3,688	5,753	4,909	5,768	4,836
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	5,033	4,241	5,269	4,470	6,169	5,314	6,411	5,289	6,166	5,238	6,191	5,202	5,543	4,375	4,253	3,891	6,046	5,210	6,114	5,169
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,650	4,819	5,758	4,939	6,643	5,800	6,869	5,773	6,628	5,739	6,657	5,681	5,986	4,857	4,616	4,317	6,527	5,698	6,626	5,746
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,643	4,795	5,749	4,938	6,625	5,789	6,862	5,772	6,628	5,722	6,646	5,666	5,981	4,851	4,618	4,324	6,487	5,697	6,603	5,747
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,474	4,365	5,405	4,393	6,340	5,385	6,562	5,336	6,269	5,233	6,172	5,109	5,608	4,349	4,242	3,824	6,210	5,266	6,289	5,321
129 I-80 WB: County Rd 32A On-ramp	Merge	5,471	4,360	5,406	4,397	6,341	5,383	6,557	5,334	6,270	5,233	6,176	5,111	5,605	4,350	4,246	3,825	6,204	5,268	6,296	5,325
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,480	4,378	5,414	4,418	6,359	5,399	6,562	5,355	6,277	5,256	6,182	5,132	5,610	4,370	4,253	3,847	6,213	5,286	6,311	5,340
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,452	4,364	5,404	4,423	6,330	5,393	6,557	5,349	6,255	5,260	6,170	5,143	5,602	4,379	4,224	3,859	6,171	5,299	6,303	5,341
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	4,607	3,272	4,609	3,312	5,205	3,900	5,449	3,864	5,216	3,848	5,172	3,746	4,748	3,244	3,574	2,863	5,105	3,803	5,207	3,859
133 I-80 WB: Mace Blvd On-ramp	Merge	4,605	3,275	4,602	3,314	5,199	3,896	5,445	3,867	5,214	3,858	5,176	3,747	4,742	3,247	3,577	2,869	5,089	3,806	5,199	3,859
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	5,200	3,708	5,265	3,744	5,750	4,324	5,983	4,300	5,751	4,287	5,723	4,179	5,277	3,690	4,125	3,311	5,632	4,236	5,744	4,286
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,202	3,707																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,265	3,743	5,749	4,326	5,981	4,301	5,748	4,288	5,722	4,179	5,276	3,691	4,126	3,311	5,630	4,234	5,743	4,288
136 I-80 WB: Olive Dr Off-ramp	Diverge	5,206	3,708																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,904	3,566																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	4,901	3,567																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,255	3,744	5,719	4,327	5,947	4,308	5,720	4,288	5,698	4,192	5,268	3,691	4,121	3,309	5,570	4,236	5,723	4,293
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,547	3,341																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,080	3,307	4,395	3,730	4,599	3,709	4,447	3,718	4,424	3,668	4,102	3,243	3,285	2,879	4,241	3,639	4,377	3,685
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,544	3,343																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,827	3,711																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,828	3,711																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,087	3,308	4,399	3,727	4,602	3,707	4,446	3,721	4,419	3,674	4,103	3,248	3,285	2,877	4,242	3,634	4,383	3,685
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,982	4,013	4,715	4,129	5,005	4,494	5,202	4,453	5,044	4,490	5,016	4,441	4,732	4,051	3,913	3,672	4,835	4,319	4,975	4,428
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	4,981	4,013	4,719	4,130	5,007	4,489	5,206	4,456	5,048	4,489	5,015	4,437	4,733	4,050	3,911	3,675	4,834	4,321	4,975	4,430
145 I-80 WB: SR 113 Off-ramp	Diverge	4,558	3,832	4,245	3,871	4,450	4,180	4,638	4,154	4,490	4,187	4,468	4,145	4,239	3,792	3,502	3,422	4,338	4,025	4,432	4,124
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	3,503	2,753	3,148	2,840	3,267	2,944	3,387	2,923	3,310	3,003	3,314	3,011	3,130	2,751	2,580	2,476	3,119	2,845	3,252	2,907
147 I-80 WB: Old Davis Rd On-ramp	Merge	3,502	2,751	3,155	2,844	3,270	2,950	3,389	2,929	3,316	3,006	3,317	3,013	3,133	2,753	2,585	2,481	3,120	2,847	3,259	2,910
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	3,545	2,951	3,232	3,091	3,348	3,175	3,467	3,151	3,401	3,226	3,401	3,233	3,220	3,010	2,677	2,774	3,198	3,073	3,336	3,129
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,550	2,949	3,236	3,094	3,352	3,179	3,469	3,154	3,406	3,228	3,407	3,235	3,225	3,017	2,681	2,774	3,200	3,070	3,340	3,132
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,322	3,851	4,093	4,117	4,180	4,026	4,288	4,001	4,246	4,088	4,224	4,081	4,215	4,050	3,821	3,994	4,042	3,921	4,148	3,987
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,330	3,857	4,100	4,123	4,188	4,025	4,294	4,007	4,252	4,094	4,229	4,087	4,220	4,058	3,835	3,997	4,052	3,927	4,157	3,990
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,346	3,861	4,117	4,125	4,206	4,030	4,305	4,013	4,267	4,101	4,241	4,089	4,234	4,068	3,849	4,008	4,064	3,932	4,169	3,992
1																					

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	7,074	5,962	4,945	6,062	5,034	6,478	5,930	6,477	5,116	6,445	5,120	6,397	6,289	6,272	5,511	6,338	6,520	6,438	5,067	6,440
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	6,364	5,119	4,441	5,204	4,652	5,576	5,353	5,557	4,757	5,542	4,744	5,505	5,623	5,368	4,963	5,417	5,808	5,517	4,760	5,545
163 I-80 WB: Truxel Rd NB On-ramp	Basic	6,383	5,119	4,440	5,200	4,633	5,579	5,341	5,556	4,749	5,545	4,730	5,503	5,608	5,365	4,978	5,415	5,782	5,520	4,751	5,545
164 I-80 WB: Truxel Rd to I-5	Weave	6,640	5,324	4,680	5,405	4,876	5,778	5,572	5,761	4,979	5,750	4,972	5,712	5,842	5,570	5,238	5,623	5,998	5,727	5,005	5,751
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	4,331	2,959	3,217	3,098	3,532	3,424	3,941	3,400	3,570	3,386	3,561	3,367	4,036	3,204	3,527	3,164	4,163	3,358	3,608	3,388
166 I-80 WB: I-5 NB On-ramp	Merge	4,335	2,959	3,207	3,099	3,520	3,422	3,931	3,401	3,577	3,386	3,541	3,367	4,017	3,201	3,500	3,099	4,120	3,356	3,610	3,387
167 I-80 WB: I-5 to W El Camino Ave	Weave	4,422	3,138	3,289	3,318	3,598	3,641	4,006	3,629	3,671	3,614	3,629	3,594	4,075	3,422	3,629	3,209	4,139	3,589	3,694	3,606
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	4,497	3,598	3,676	3,873	4,183	4,342	4,550	4,322	4,350	4,316	4,271	4,299	4,344	3,993	3,794	3,414	4,369	4,284	4,300	4,319
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	4,499	3,599	3,675	3,873	4,186	4,342	4,552	4,321	4,356	4,316	4,285	4,298	4,343	3,993	3,798	3,369	4,340	4,285	4,302	4,318
170 I-80 WB: W El Camino EB On-ramp	Merge	4,846	3,958	4,022	4,285	4,605	4,776	4,953	4,762	4,773	4,754	4,699	4,729	4,734	4,439	4,183	3,786	4,674	4,718	4,723	4,754
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	5,362	4,169	4,490	4,484											4,479	3,835				
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,168	5,031	5,527	5,013	5,316	4,996	5,221	4,965	5,255	4,645			5,145	4,963	5,296	5,005
172 I-80 WB: Lane Drop to Reed Ave	Basic	5,367	4,170	4,489	4,485											4,646	3,951				
173 I-80 WB: Reed Ave Off-ramp	Diverge	5,401	4,172	4,493	4,492	5,166	5,034	5,547	5,023	5,325	4,999	5,245	4,967	5,255	4,646	4,663	3,957	5,094	4,964	5,296	5,007
174 I-80 WB: Reed Ave Off to On-ramp	Basic	3,963	2,994	3,296	3,209	3,909	3,709	4,219	3,687	4,018	3,684	3,956	3,705	3,848	3,300	3,320	2,807	3,940	3,620	4,007	3,663
175 I-80 WB: Reed Ave On-ramp	Merge	3,963	2,994	3,297	3,207	3,938	3,693	4,245	3,674	4,028	3,641	3,976	3,660	3,850	3,299	3,320	2,808	3,940	3,619	4,018	3,645
176 I-80 WB: Reed Ave to US 50	Basic	4,246	3,677	3,616	4,020	4,313	4,595	4,609	4,571	4,384	4,452	4,334	4,508	4,186	4,157	3,651	3,505	4,286	4,517	4,398	4,595
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	4,246	3,677	3,617	4,021	4,324	4,597	4,623	4,569	4,389	4,452	4,342	4,509	4,188	4,160	3,652	3,498	4,292	4,517	4,401	4,596
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	2,659	1,961	2,461	2,285	2,973	2,718	3,244	2,697	3,039	2,653	3,036	2,714	2,868	2,327	2,429	1,959			2,791	2,465
I-80 WB: US 50 Off to On-ramp	Basic																	3,035	2,644		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	2,655	1,959	2,460	2,286	2,977	2,718	3,250	2,699	3,042	2,652	3,043	2,713	2,869	2,327	2,428	1,953			2,794	2,466



I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 4  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	4,992	5,399	5,145	5,352	5,428	5,236	5,354	4,827	5,349	5,471	5,346	4,667	5,284	4,710	3,823	3,005	5,395	5,006	5,387	4,880
102 US 50 WB: SR 51 to 16th St	Weave	7,767	7,673	7,377	6,609	7,560	6,587	7,436	5,898	7,424	6,929	7,414	5,690	7,433	5,417	4,462	3,621	7,546	6,111	7,556	5,924
103 US 50 WB: 10th St Off-ramp	Diverge	8,042	7,997	7,764	7,326	7,987	7,357	7,852	6,710	7,863	7,711	7,832	6,494	7,806	5,934	5,203	4,419	7,998	7,106	7,959	6,748
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	7,226	7,135	6,976	6,580	7,198	6,632	7,077	6,067	7,078	6,946	7,044	5,848	7,024	5,314	4,573	3,988	7,204	6,439	7,176	6,108
105 US 50 WB: 15th St to I-5	Weave	7,224	7,157	6,980	6,688	7,199	6,691	7,078	6,176	7,081	7,034	7,047	5,914	7,028	5,391	4,508	4,004	7,206	6,577	7,174	6,241
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,567	4,232	4,490	4,186	4,805	4,202	4,728	3,969	4,735	4,504	4,688	3,834	4,570	3,460	2,775	2,810	4,857	4,249	4,798	4,126
107 US 50 WB: 5th St On-ramp	Merge	4,566	4,249	4,493	4,186	4,805	4,201	4,725	3,965	4,735	4,507	4,688	3,832	4,505	3,458	3,013	2,820	4,854	4,246	4,799	4,121
108 US 50 WB: I-5 On-ramp	Merge	4,733	4,529	4,689	4,442	5,046	4,437	4,965	4,192	4,984	4,747	4,920	4,070	4,637	3,714	3,169	3,082	5,095	4,473	5,038	4,358
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	6,311	5,134	5,933	5,093	6,902	5,169	6,753	4,918	6,768	5,444	6,698	4,792	5,540	4,371	3,861	3,824	6,891	5,176	6,806	5,112
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,980	3,219	4,589	3,494	5,467	3,711	5,358	3,537	5,347	3,892	5,277	3,409	4,255	3,010	2,864	2,723	5,460	3,720	5,401	3,630
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	4,970	3,228	4,509	3,497																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					5,464	3,719	5,355	3,533	5,342	3,898	5,265	3,415	4,223	3,004	2,834	2,731	5,391	3,708	5,377	3,631
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	5,370	3,630	5,025	4,018																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	5,368	3,632	5,014	4,022																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	5,366	3,634	5,004	4,024																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	4,046	2,528	3,800	2,586	4,535	2,806	4,572	2,642	4,458	2,913	4,503	2,576	3,550	2,316	2,556	2,160	4,446	2,756	4,423	2,690
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	4,043	2,531	3,793	2,586	4,490	2,806	4,568	2,641	4,413	2,915	4,491	2,577	3,546	2,316	2,553	2,161	4,406	2,757	4,374	2,690
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	4,295	2,918	4,039	2,912	4,720	3,133	4,825	2,961	4,647	3,229	4,743	2,897	3,792	2,659	2,833	2,432	4,647	3,076	4,688	3,073
118 US 50 WB: I-80 EB Off-ramp	Basic	4,458	3,172	4,214	3,163	4,854	3,424	4,989	3,246	4,774	3,519	4,877	3,173	3,974	2,928	3,007	2,710	4,789	3,360	4,805	3,354
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	3,598	1,950	3,468	2,180	4,077	2,364	4,195	2,247	4,009	2,436	4,092	2,222	3,232	1,989	2,339	1,895	4,030	2,322	3,952	2,156
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	3,586	1,954	3,463	2,183	4,062	2,364	4,179	2,247	3,992	2,438	4,074	2,222	3,227	1,988	2,134	1,918	4,019	2,322	3,940	2,155
121 I-80 WB: US 50 to W Capitol Ave	Weave	3,577	1,958	3,463	2,185	4,041	2,371	4,141	2,246	3,966	2,441	4,050	2,222	3,226	1,987	2,343	1,953	4,010	2,319	3,920	2,159
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	4,941	3,086	5,286	3,258											4,225	3,667				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					6,254	3,937	6,406	3,837	6,194	3,935	6,278	3,716	5,433	3,121			6,583	3,857	6,204	3,678
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	4,944	3,105	5,288	3,259											4,226	3,683				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	4,956	3,120	5,295	3,260	6,255	3,948	6,411	3,844	6,198	3,941	6,277	3,719	5,428	3,125	4,227	3,694	6,581	3,857	6,211	3,686
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	5,193	3,227	5,532	3,360	6,536	4,077	6,698	3,971	6,477	4,080	6,558	3,861	5,707	3,234	4,450	3,803	6,861	4,105	6,486	3,857
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,678	3,544	5,873	3,593	6,898	4,304	7,061	4,186	6,837	4,307	6,916	4,083	6,055	3,446	4,754	4,048	7,282	4,326	6,891	4,187
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,684	3,630	5,873	3,656	6,891	4,385	7,053	4,250	6,829	4,367	6,909	4,150	6,056	3,511	4,734	4,077	7,273	4,378	6,893	4,238
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,505	3,318	5,575	3,264	6,672	4,072	6,823	3,939	6,504	3,978	6,475	3,775	5,765	3,164	4,464	3,596	7,016	4,069	6,633	3,931
129 I-80 WB: County Rd 32A On-ramp	Merge	5,508	3,330	5,571	3,269	6,671	4,081	6,820	3,942	6,500	3,988	6,469	3,777	5,767	3,172	4,465	3,601	7,008	4,074	6,626	3,937
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,527	3,352	5,592	3,288	6,687	4,102	6,838	3,962	6,517	4,009	6,486	3,796	5,787	3,192	4,483	3,618	7,022	4,093	6,639	3,959
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,538	3,404	5,599	3,328	6,684	4,163	6,832	3,999	6,520	4,046	6,486	3,843	5,786	3,233	4,471	3,631	7,012	4,129	6,628	4,007
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	4,792	2,387	4,882	2,345	5,663	2,826	5,807	2,710	5,588	2,791	5,599	2,632	5,001	2,257	3,833	2,613	5,951	2,774	5,627	2,702
133 I-80 WB: Mace Blvd On-ramp	Merge	4,794	2,399	4,888	2,357	5,661	2,834	5,811	2,720	5,590	2,798	5,596	2,647	5,003	2,265	3,824	2,617	5,950	2,783	5,633	2,711
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	5,204	2,746	5,262	2,702	6,134	3,182	6,306	3,069	6,079	3,143	6,075	2,993	5,510	2,620	4,337	2,966	6,448	3,131	6,125	3,064
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,202	2,749																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,263	2,704	6,134	3,183	6,306	3,069	6,080	3,146	6,073	2,994	5,508	2,621	4,337	2,968	6,450	3,133	6,126	3,065
136 I-80 WB: Olive Dr Off-ramp	Diverge	5,201	2,769																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	5,049	2,653																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	5,052	2,656																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,259	2,737	6,147	3,221	6,320	3,101	6,101	3,182	6,077	3,019	5,512	2,656	4,345	2,983	6,496	3,157	6,130	3,093
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,742	2,433																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,133	2,315	4,863	2,634	5,038	2,536	4,856	2,632	4,871	2,522	4,353	2,261	3,480	2,499	5,141	2,585	4,836	2,536
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,743	2,434																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,912	2,639																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,912	2,640																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,127	2,320	4,861	2,644	5,027	2,551	4,857	2,640	4,871	2,533	4,353	2,268	3,477	2,506	5,130	2,595	4,829	2,546
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	5,078	2,903	4,712	3,002	5,410	3,277	5,590	3,171	5,413	3,273	5,418	3,161	4,925	2,943	4,079	3,180	5,695	3,192	5,390	3,181
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	5,077	2,913	4,706	3,011	5,404	3,287	5,588	3,177	5,404	3,285	5,415	3,173	4,923	2,951	4,081	3,187	5,688	3,197	5,387	3,190
145 I-80 WB: SR 113 Off-ramp	Diverge	4,748	2,774	4,282	2,811	4,937	3,060	5,100	2,964	4,933	3,065	4,951	2,956	4,497	2,750	3,719	2,969	5,197	2,981	4,925	2,962
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	3,936	1,909	3,351	1,960	3,859	2,053	3,995	1,999	3,864	2,103	3,904	2,040	3,504	1,914	2,813	2,097	4,033	2,012	3,840	1,975
147 I-80 WB: Old Davis Rd On-ramp	Merge	3,930	1,919	3,349	1,968	3,848	2,056	3,995	2,005	3,855	2,110	3,895	2,049	3,499	1,921	2,808	2,098	4,030	2,016	3,826	1,983
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	3,976	2,042	3,436	2,124	3,933	2,195	4,080	2,143	3,932	2,247	3,981	2,189	3,585	2,072	2,904	2,267	4,111	2,151	3,910	2,111
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,971	2,054	3,429	2,127	3,923	2,201	4,069	2,149	3,925	2,254	3,978	2,197	3,578	2,074	2,898	2,274	4,104	2,159	3,904	2,119
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,525	2,761	4,044	2,895	4,449	2,922	4,590	2,846	4,454	2,967	4,510	2,923	4,219	2,868	3,742	3,201	4,633	2,875	4,437	2,821
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,519	2,774	4,041	2,905	4,441	2,936	4,582	2,859	4,447	2,975	4,501	2,940	4,210	2,877	3,735	3,209	4,623	2,883	4,428	2,839
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,530	2,790	4,052	2,927	4,447	2,955	4,585	2,880	4,453	2,994	4,504	2,958	4,217	2,893	3,746	3,223	4,628	2,902	4,437	2,861

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	4,883	4,753	6,268	4,870	6,479	5,200	7,153	5,213	6,794	5,168	6,923	5,153	6,535	5,020	7,317	5,077	5,905	5,180	6,425	5,163
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	4,591	4,058	5,849	4,271	6,162	4,652	6,719	4,652	6,463	4,616	6,526	4,607	6,195	4,479	6,663	4,490	5,736	4,627	6,055	4,607
163 I-80 WB: Truxel Rd NB On-ramp	Basic	4,595	4,064	5,853	4,279	6,195	4,656	6,737	4,659	6,501	4,620	6,563	4,613	6,235	4,488	6,685	4,498	5,772	4,632	6,089	4,614
164 I-80 WB: Truxel Rd to I-5	Weave	4,807	4,308	6,075	4,528	6,488	4,903	7,003	4,907	6,808	4,869	6,853	4,850	6,548	4,736	6,956	4,748	6,069	4,875	6,374	4,862
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	2,792	2,163	3,685	2,425	4,085	2,726	4,282	2,731	4,239	2,701	4,230	2,711	3,927	2,566	4,004	2,548	3,980	2,692	4,042	2,666
166 I-80 WB: I-5 NB On-ramp	Merge	2,795	2,168	3,697	2,428	4,138	2,732	4,342	2,734	4,289	2,706	4,292	2,715	3,986	2,570	3,966	2,616	4,028	2,699	4,081	2,672
167 I-80 WB: I-5 to W El Camino Ave	Weave	2,912	2,281	3,807	2,563	4,271	2,874	4,535	2,881	4,436	2,851	4,482	2,864	4,182	2,714	4,133	2,868	4,212	2,845	4,229	2,813
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	3,142	2,531	3,977	2,894	4,738	3,291	4,948	3,304	4,788	3,251	4,831	3,275	4,572	3,043	4,175	3,484	4,828	3,244	4,705	3,201
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	3,145	2,534	3,973	2,897	4,732	3,295	4,941	3,309	4,784	3,253	4,811	3,280	4,590	3,048	4,173	3,527	4,859	3,247	4,707	3,204
170 I-80 WB: W El Camino EB On-ramp	Merge	3,352	2,748	4,174	3,160	4,966	3,568	5,166	3,591	5,007	3,534	5,049	3,551	4,824	3,327	4,404	3,864	5,165	3,523	4,925	3,471
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	3,605	2,918	4,400	3,340											4,460	3,948				
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,227	3,777	5,423	3,805	5,242	3,741	5,291	3,752	5,091	3,509			5,535	3,727	5,181	3,675
172 I-80 WB: Lane Drop to Reed Ave	Basic	3,606	2,920	4,395	3,341											4,633	4,110				
173 I-80 WB: Reed Ave Off-ramp	Diverge	3,619	2,939	4,370	3,362	5,201	3,805	5,345	3,825	5,196	3,765	5,233	3,779	5,107	3,531	4,614	4,186	5,663	3,753	5,154	3,705
174 I-80 WB: Reed Ave Off to On-ramp	Basic	2,575	2,076	3,188	2,373	3,905	2,811	3,990	2,824	3,900	2,776	3,917	2,789	3,718	2,473	3,293	2,923	4,306	2,747	3,870	2,682
175 I-80 WB: Reed Ave On-ramp	Merge	2,587	2,084	3,184	2,380	3,859	2,807	3,941	2,824	3,876	2,752	3,872	2,761	3,709	2,478	3,292	2,977	4,330	2,751	3,843	2,679
176 I-80 WB: Reed Ave to US 50	Basic	2,938	2,517	3,496	2,829	4,178	3,304	4,243	3,312	4,194	3,218	4,196	3,234	4,057	2,948	3,654	3,712	4,709	3,235	4,201	3,190
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	2,945	2,521	3,491	2,831	4,174	3,307	4,231	3,314	4,182	3,218	4,190	3,236	4,054	2,950	3,642	3,742	4,709	3,237	4,195	3,192
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	1,987	1,482	2,559	1,803	3,010	2,183	3,069	2,191	3,014	2,123	3,034	2,147	2,957	1,841	2,554	2,307			2,866	1,930
I-80 WB: US 50 Off to On-ramp	Basic																	3,495	2,133		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	1,997	1,485	2,559	1,804	3,005	2,186	3,063	2,191	3,010	2,125	3,029	2,149	2,955	1,841	2,537	2,348			2,865	1,931

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 1  
 Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,976	7,361	5,023	7,458	4,942	7,311	4,969	7,210	5,101	7,029	4,995	7,368	4,849	6,780	4,951	7,226	5,073	7,343
2 I-80 EB: Pedrick Rd to Lane Add	Basic	5,131	7,600	5,182	7,695	5,062	7,548	5,055	7,408	5,189	7,224	5,113	7,565	4,970	7,024	5,110	7,460	5,228	7,426
3 I-80 EB: Lane Add to Kidwell Rd	Basic	5,137	7,603	5,185	7,690	5,070	7,543	5,097	7,412	5,191	7,226	5,123	7,567	4,913	7,034	5,116	7,460	5,234	7,462
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	5,140	7,603	5,185	7,691	5,068	7,542	5,097	7,414	5,190	7,227	5,125	7,567	5,015	7,035	5,115	7,458	5,234	7,463
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	5,116	7,507	5,160	7,594	5,045	7,456	5,036	7,361	5,172	7,169	5,101	7,475	4,956	6,942	5,093	7,367	5,209	7,370
6 I-80 EB: Kidwell Rd to SR 113	Weave	5,122	7,509	5,171	7,596	5,050	7,456	5,047	7,331	5,182	7,170	5,104	7,474	4,960	6,912	5,104	7,364	5,218	7,333
7 I-80 EB: SR 113 to Old Davis Rd	Basic	4,286	5,788	4,364	6,272	4,375	6,245	4,291	6,128	4,425	5,821	4,310	5,753	4,018	5,062	4,381	6,056	4,515	6,051
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	4,287	5,786	4,368	6,275	4,379	6,246	4,326	6,131	4,426	5,819	4,314	5,758	4,019	4,925	4,381	6,020	4,517	6,053
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,027	5,322	4,155	5,778	4,151	5,790	4,091	5,673	4,219	5,361	4,084	5,248	3,787	4,348	4,170	5,553	4,316	5,584
10 I-80 EB: SR 113 On-ramp	Basic	4,033	5,226	4,162	5,749	4,157	5,795	4,132	5,669	4,226	5,361	4,090	5,152	3,794	3,851	4,174	5,555	4,321	5,587
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	4,768	6,100	5,053	7,138	5,035	7,131	4,979	6,916	5,044	6,665	4,856	6,066	4,488	4,695	5,033	6,935	5,227	7,024
12 I-80 EB: Old Davis Rd On-ramp	Merge	4,770	6,017	5,052	7,123	5,036	7,121	4,977	6,915	5,042	6,661	4,858	5,981	4,489	4,583	5,034	6,932	5,227	6,989
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	5,281	6,960	5,609	8,317	5,586	8,256	5,487	8,229	5,537	7,809	5,346	6,908	5,011	5,380	5,554	8,175	5,736	8,245
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	5,283	6,894											5,009	5,247				
I-80 EB: Lane Drop to Richards Blvd	Basic			5,611	8,276	5,589	8,216	5,521	8,216	5,540	7,784	5,346	6,811			5,557	8,149	5,739	8,224
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	5,287	6,782											5,011	5,148				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	5,288	6,773	5,616	8,182	5,591	8,124	5,522	8,191	5,541	7,758	5,352	6,716	5,047	5,091	5,597	8,078	5,745	8,193
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	5,050	6,124	5,349	7,507	5,324	7,408	5,254	7,506	5,270	7,041	5,105	5,968	4,756	4,492	5,360	7,341	5,467	7,437
18 I-80 EB: Richards Blvd On-ramp	Merge	5,054	6,045	5,347	7,473	5,329	7,370	5,256	7,469	5,272	6,963	5,107	5,918	4,754	4,443	5,328	7,300	5,508	7,399
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	5,248	6,540	5,583	8,222	5,562	8,088	5,486	8,059	5,496	7,601	5,327	6,429	4,971	5,027	5,567	8,066	5,744	8,205
20 I-80 EB: Mace Blvd Off-ramp	Diverge	5,266	6,305	5,638	8,063	5,578	7,948	5,509	7,858	5,517	7,372	5,348	6,312	4,985	4,978	5,582	7,883	5,749	8,015
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	5,013	6,033	5,348	7,754	5,359	7,641	5,258	7,549	5,263	7,087	5,119	5,910	4,761	4,741	5,362	7,581	5,527	7,735
22 I-80 EB: Mace Blvd SB On-ramp	Merge	5,016	6,037	5,360	7,744	5,362	7,636	5,265	7,527	5,264	7,079	5,117	5,913	4,762	4,740	5,361	7,574	5,494	7,685
23 I-80 EB: Mace Blvd NB On-ramp	Merge	5,527	7,070	5,899	8,957	5,850	8,768	5,802	8,669	5,796	8,296	5,630	7,131	5,266	5,833	5,907	8,779	6,052	8,910
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	6,006	7,693	6,437	9,848	6,375	9,643	6,277	9,478	6,230	9,183	6,137	7,899	5,691	6,563	6,414	9,727	6,584	9,799
25 I-80 EB: County Rd 32B Off-ramp	Diverge	5,970	7,584	6,446	9,851	6,390	9,605	6,290	9,511	6,201	9,173	6,138	7,857	5,703	6,437	6,420	9,724	6,552	9,760
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	5,962	7,556	6,438	9,803	6,378	9,590	6,244	9,505	6,198	9,159	6,129	7,833	5,694	6,361	6,437	9,707	6,538	9,751
27 I-80 EB: County Rd 32B On-ramp	Merge	5,968	7,510	6,434	9,797	6,376	9,591	6,246	9,504	6,195	9,163	6,131	7,821	5,695	6,337	6,437	9,674	6,537	9,749
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	6,056	8,321	6,577	10,478	6,474	10,196	6,432	10,265	6,423	9,844	6,233	8,686	5,884	7,033	6,548	10,312	6,670	10,427
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	6,076	8,275	6,586	10,447	6,505	10,188	6,453	10,270	6,474	9,841	6,297	8,715	5,933	6,548	6,594	10,314	6,691	10,429
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	5,874	7,702	6,294	9,743	6,259	9,528	6,216	9,610	6,224	9,156	6,019	8,107			6,317	9,622	6,461	9,757
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													5,678	5,942				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													5,678	5,859				
31 I-80 EB: Enterprise Blvd to US 50	Weave	5,839	7,707	6,303	9,745	6,269	9,535	6,250	9,606	6,220	9,149	6,026	8,107	5,677	5,791	6,319	9,619	6,432	9,752
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	5,016	6,098											4,965	4,702				
US 50 EB: I-80 Off to On-ramp	Basic			5,457	7,709	5,349	7,361	5,317	7,507	5,300	7,208	5,208	6,454			5,441	7,421	5,120	7,264
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	4,990	6,097											4,932	4,449				
34 US 50 EB: I-80 to Harbor Blvd	Weave	4,991	6,095	5,462	7,633	5,348	7,298	5,322	7,494	5,303	7,209	5,208	6,395	4,968	4,407	5,443	7,390	5,125	7,149
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,999	7,402	5,662	9,061	5,540	8,782	5,519	8,872	5,560	8,721	5,164	7,721	4,931	5,727	5,677	8,829	5,263	8,763
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,999	7,390	5,663	9,012	5,541	8,750	5,522	8,807	5,562	8,699	5,164	7,683	4,930	5,697	5,679	8,785	5,264	8,720
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	5,144	7,941	5,863	9,548	5,708	9,208	5,668	9,405	5,652	9,245	5,396	8,218	5,167	6,449	5,841	9,342	5,561	9,081
38 US 50 EB: Jefferson Blvd On-ramp	Merge	5,153	7,899	5,865	9,487	5,715	9,133	5,664	9,283	5,650	9,123	5,363	8,167	5,168	6,462	5,844	9,213	5,529	9,003
39 US 50 EB: S River Rd On-ramp	Merge	6,618	9,838	7,377	11,430	7,171	11,058	7,108	11,146	7,136	10,988	6,953	10,082	6,704	8,416	7,382	11,159	7,094	10,994
40 US 50 EB: I-5 Off-ramp	Basic	7,554	10,685	8,342	12,373	8,094	11,971	8,015	12,051	8,045	11,905	7,897	10,994	7,630	9,383	8,285	12,126	8,043	11,983
41 US 50 EB: 5th St Off-ramp	Diverge	6,593	8,147	7,202	9,254	7,001	9,072	6,877	9,159	6,919	8,937	6,851	8,495	6,631	7,269	7,075	9,116	6,887	8,956
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	6,298	6,925																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			6,894	7,988	6,683	7,799	6,549	7,873	6,593	7,731	6,479	7,265	6,268	6,128	6,734	7,799	6,548	7,656
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	6,296	6,905																
US 50 EB: HOV Lane Add to I-5 On	Basic	6,302	6,902																
44 US 50 EB: I-5 to 15th St	Weave	6,303	6,930	6,863	7,983	6,691	7,798	6,555	7,867	6,599	7,713	6,480	7,257	6,262	6,131	6,707	7,772	6,523	7,661
45 US 50 EB: 15th St to 11th St	Basic	12,156	10,851	12,552	11,556	12,131	11,257	12,088	11,311	12,122	11,095	12,284	11,690	12,076	10,877	12,390	11,212	12,226	11,715
46 US 50 EB: 11th St On-ramp	Merge	12,167	10,793	12,561	11,492	12,129	11,200	12,120	11,264	12,119	11,033	12,281	11,663	12,071	10,875	12,391	11,129	12,266	11,651
47 US 50 EB: 16th St to SR 51/SR 99	Weave	12,904	12,224	13,293	12,928	12,842	12,572	12,760	12,659	12,803	12,421	13,001	13,062	12,776	12,384	13,064	12,560	12,939	13,055

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 1  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	2,290	3,479													2,399	2,310		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			2,402	3,987	2,378	4,005	2,363	4,006	2,367	3,971	2,262	3,520	2,195	2,563			2,109	3,987
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			2,406	3,987	2,376	4,002	2,363	4,003	2,366	3,974	2,261	3,489	2,193	2,539			2,143	3,981
62 I-80 EB: US 50 On-ramp	Basic/Merge	2,261	3,476	2,407	3,987	2,377	4,003	2,362	4,003	2,366	3,974	2,262	3,489	2,193	2,542	2,398	4,113	2,143	3,982
63 I-80 EB: US 50 to Reed Ave	Basic	3,751	5,377	4,000	6,169	3,891	6,071	3,951	6,076	3,977	5,996	3,826	5,515	3,781	4,650	4,002	6,278	3,876	6,498
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,786	5,376	4,000	6,170	3,891	6,075	3,951	6,075	3,976	5,993	3,857	5,513	3,780	4,689	4,004	6,282	3,908	6,497
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,690	4,581	2,796	5,607	2,739	5,526	2,812	5,500	2,823	5,453	2,678	4,980	2,619	4,195	2,787	5,724	2,713	5,890
66 I-80 EB: Reed Ave On-ramp	Merge	2,687	4,582	2,797	5,607	2,741	5,559	2,813	5,495	2,821	5,461	2,679	5,012	2,588	4,203	2,794	5,727	2,714	5,879
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	3,171	6,594											3,141	6,392				
I-80 EB: Reed Ave to W El Camino Ave	Basic			2,939	6,399	2,887	6,291	2,956	6,292	2,918	6,159	2,835	5,999			3,310	7,825	2,927	6,449
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	3,165	6,597											3,138	6,401				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	3,168	6,598	3,309	7,655	3,283	7,512	3,363	7,453	3,360	7,348	3,193	7,167	3,138	6,402	3,308	7,703	3,284	7,719
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,784	5,768	2,939	6,399	2,887	6,291	2,956	6,292	2,918	6,159	2,835	5,999	2,748	5,260	2,933	6,477	2,927	6,449
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	2,782	5,767	2,940	6,342	2,888	6,229	2,951	6,234	2,918	6,097	2,837	6,003	2,750	5,266	2,937	6,420	2,929	6,378
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	3,311	6,320	3,458	6,839	3,404	6,748	3,464	6,749	3,442	6,594	3,333	6,612	3,283	5,866	3,433	6,960	3,458	6,882
73 I-80 EB: W El Camino Ave to I-5	Basic	3,665	7,099	3,833	7,501	3,736	7,403	3,828	7,380	3,778	7,246	3,744	7,386	3,654	6,700	3,809	7,630	3,823	7,589
74 I-80 EB: I-5 Off-ramp	Basic	3,665	7,099	3,833	7,487	3,735	7,394	3,828	7,338	3,774	7,235	3,744	7,387	3,652	6,699	3,809	7,620	3,823	7,574
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,688	5,297	2,866	5,667	2,778	5,616	2,846	5,525	2,826	5,461	2,747	5,456	2,730	4,990	2,775	5,763	2,814	5,723
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,685	5,290	2,866	5,626	2,775	5,580	2,848	5,489	2,826	5,458	2,746	5,434	2,763	4,995	2,808	5,724	2,809	5,683
77 I-80 EB: I-5 SB On-ramp	Merge	2,687	5,290	2,830	5,601	2,777	5,556	2,846	5,421	2,829	5,385	2,744	5,404	2,759	4,996	2,772	5,693	2,809	5,658
78 I-80 EB: I-5 to Truxel Rd	Weave	3,525	6,826	3,700	7,112	3,609	7,071	3,679	6,995	3,631	6,920	3,642	6,951	3,632	6,637	3,660	7,199	3,704	7,173
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	4,604	9,037	4,936	9,586	4,783	9,411	4,824	9,293	4,879	9,339	4,885	9,395	4,908	9,233	4,922	9,509	4,919	9,590
80 I-80 EB: Truxel Rd SB On-ramp	Basic	4,602	9,037	4,937	9,581	4,745	9,374	4,826	9,291	4,880	9,340	4,887	9,364	4,905	9,234	4,886	9,509	4,919	9,595
81 I-80 EB: Truxel Rd NB On-ramp	Merge	4,955	9,838	5,267	10,389	5,103	10,188	5,147	10,069	5,237	10,094	5,218	10,215	5,265	10,107	5,248	10,359	5,244	10,406
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	5,423	10,481	5,850	11,059	5,633	10,806	5,731	10,699	5,779	10,764	5,807	10,872	5,825	10,817	5,799	10,993	5,794	11,076
83 I-80 EB: Northgate Blvd Off-ramp	Basic	5,456	10,482	5,851	11,065	5,667	10,778	5,731	10,647	5,779	10,753	5,806	10,858	5,826	10,853	5,836	10,987	5,796	11,070



I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 2  
 Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	6,592	7,038	6,716	7,163	6,506	7,044	6,620	7,071	6,637	6,956	6,662	7,136	6,617	4,171	6,634	7,138	6,679	7,105
2 I-80 EB: Pedrick Rd to Lane Add	Basic	6,928	7,288	7,043	7,418	6,873	7,257	6,914	7,267	6,958	7,171	6,965	7,389	6,984	4,132	6,964	7,387	7,006	7,387
3 I-80 EB: Lane Add to Kidwell Rd	Basic	6,921	7,292	7,041	7,420	6,867	7,265	6,912	7,271	6,928	7,199	6,963	7,390	6,940	3,729	6,995	7,389	7,001	7,386
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	6,921	7,293	7,006	7,419	6,867	7,265	6,909	7,269	6,928	7,200	6,963	7,393	6,940	3,693	6,995	7,390	7,000	7,385
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	6,884	7,236	6,974	7,367	6,799	7,211	6,876	7,168	6,889	7,106	6,928	7,302	6,903	3,390	6,934	7,336	6,933	7,295
6 I-80 EB: Kidwell Rd to SR 113	Weave	6,876	7,205	6,960	7,364	6,789	7,213	6,866	7,209	6,882	7,116	6,923	7,306	6,896	2,862	6,926	7,306	6,923	7,298
7 I-80 EB: SR 113 to Old Davis Rd	Basic	5,349	5,311	5,494	5,922	5,382	5,902	5,337	5,901	5,430	5,795	5,228	5,295	4,983	1,639	5,461	5,891	5,377	5,905
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	5,381	5,207	5,458	5,918	5,380	5,936	5,339	5,903	5,428	5,794	5,226	5,223	5,014	1,458	5,463	5,888	5,377	5,904
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,812	4,596	4,881	5,476	4,865	5,439	4,835	5,428	4,900	5,325	4,665	4,576	4,372	1,186	4,899	5,408	4,818	5,424
10 I-80 EB: SR 113 On-ramp	Basic	4,809	4,300	4,887	5,215	4,866	5,335	4,837	5,428	4,899	5,239	4,701	4,276	4,375	1,068	4,898	5,248	4,821	5,280
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	6,317	4,985	6,589	6,038	6,627	6,108	6,444	6,310	6,392	6,000	6,039	5,029	5,800	1,860	6,627	6,055	6,591	6,087
12 I-80 EB: Old Davis Rd On-ramp	Merge	6,316	4,986	6,590	6,003	6,626	6,072	6,444	6,278	6,395	5,957	6,041	5,030	5,802	1,843	6,627	6,016	6,592	6,043
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	7,003	6,008	7,330	7,001	7,343	7,075	7,230	7,225	7,155	6,905	6,756	5,957	6,483	2,332	7,406	7,104	7,331	7,051
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	7,002	6,005											6,485	2,258				
I-80 EB: Lane Drop to Richards Blvd	Basic			7,329	6,980	7,339	7,061	7,233	7,150	7,155	6,831	6,756	5,959			7,405	7,047	7,329	7,017
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	7,008	5,997											6,486	2,174				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	7,009	5,989	7,328	7,005	7,312	7,045	7,238	7,100	7,160	6,786	6,759	5,958	6,452	2,151	7,407	7,012	7,299	6,950
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	6,379	5,356	6,733	6,429	6,759	6,438	6,635	6,388	6,542	6,206	6,097	5,269	5,760	1,778	6,795	6,392	6,689	6,356
18 I-80 EB: Richards Blvd On-ramp	Merge	6,378	5,346	6,737	6,417	6,757	6,429	6,636	6,375	6,545	6,197	6,132	5,271	5,760	1,752	6,796	6,421	6,689	6,311
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	6,701	5,859	7,186	7,207	7,233	7,214	7,013	7,061	6,989	6,881	6,465	5,847	6,065	2,309	7,249	7,206	7,118	7,138
20 I-80 EB: Mace Blvd Off-ramp	Diverge	6,722	5,849	7,175	7,213	7,224	7,167	7,007	7,076	6,974	6,887	6,489	5,837	5,949	2,238	7,274	7,155	7,118	7,085
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	6,257	5,610	6,818	6,943	6,811	6,947	6,556	6,808	6,480	6,621	6,063	5,463	5,483	2,100	6,807	6,915	6,690	6,817
22 I-80 EB: Mace Blvd SB On-ramp	Merge	6,250	5,608	6,713	6,940	6,815	6,948	6,553	6,804	6,481	6,619	6,102	5,458	5,465	2,089	6,809	6,913	6,724	6,847
23 I-80 EB: Mace Blvd NB On-ramp	Merge	7,227	6,584	7,554	8,107	7,618	7,979	7,264	7,880	7,294	7,758	6,909	6,601	6,152	2,590	7,617	8,059	7,539	7,970
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	8,000	7,362	8,302	9,178	8,364	9,020	7,999	8,840	7,981	8,824	7,576	7,505	6,793	3,209	8,375	9,114	8,299	9,027
25 I-80 EB: County Rd 32B Off-ramp	Diverge	7,982	7,339	8,248	9,162	8,340	9,042	7,982	8,814	7,990	8,873	7,597	7,505	6,791	3,105	8,344	9,155	8,279	9,039
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	7,972	7,326	8,237	9,187	8,326	9,034	7,971	8,796	7,977	8,865	7,553	7,491	6,746	3,109	8,341	9,144	8,275	9,020
27 I-80 EB: County Rd 32B On-ramp	Merge	7,963	7,322	8,237	9,184	8,327	9,066	7,971	8,798	7,974	8,865	7,550	7,496	6,739	3,143	8,342	9,142	8,273	9,010
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	8,372	8,245	8,809	9,982	8,836	9,834	8,444	9,577	8,685	9,726	8,115	8,448	7,321	3,784	8,898	9,901	8,834	9,833
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	8,282	8,286	8,741	9,727	8,719	9,814	8,359	9,493	8,630	9,715	8,069	8,416	7,304	3,961	8,816	9,714	8,790	9,341
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	7,697	7,716	8,153	9,031	8,141	9,150	7,847	8,851	8,079	8,993	7,535	7,754			8,221	9,025	8,249	8,671
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													6,900	3,678				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													6,899	3,737				
31 I-80 EB: Enterprise Blvd to US 50	Weave	7,694	7,716	8,148	8,980	8,132	9,071	7,815	8,778	8,079	8,950	7,527	7,756	6,898	3,763	8,224	8,961	8,249	8,560
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	6,236	6,091											5,912	3,828				
US 50 EB: I-80 Off to On-ramp	Basic			6,601	6,909	6,573	6,871	6,439	6,650	6,572	6,849	6,159	6,095			6,757	6,702	6,505	6,370
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	6,225	6,050											5,912	3,885				
34 US 50 EB: I-80 to Harbor Blvd	Weave	6,221	6,043	6,593	6,789	6,571	6,796	6,426	6,594	6,557	6,827	6,156	6,012	5,912	3,932	6,749	6,539	6,493	6,258
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	7,184	7,413	7,786	8,396	7,714	8,349	7,683	8,174	7,570	8,403	7,206	7,582	6,786	5,707	7,954	8,106	7,803	7,959
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	7,182	7,364	7,780	8,396	7,711	8,312	7,679	8,171	7,567	8,386	7,204	7,575	6,751	5,708	7,953	8,106	7,798	7,920
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	6,623	7,760	6,852	8,930	6,891	8,842	6,810	8,733	6,864	8,804	6,311	7,892	6,416	6,267	7,033	8,626	6,958	8,493
38 US 50 EB: Jefferson Blvd On-ramp	Merge	6,613	7,751	6,807	8,968	6,876	8,890	6,799	8,785	6,898	8,844	6,305	7,887	6,378	6,275	6,998	8,612	6,908	8,498
39 US 50 EB: S River Rd On-ramp	Merge	8,554	9,555	8,752	10,763	9,076	10,731	8,797	10,587	9,100	10,746	8,273	9,684	8,299	8,055	8,947	10,404	8,858	10,286
40 US 50 EB: I-5 Off-ramp	Basic	9,666	10,505	9,796	11,749	10,153	11,684	9,958	11,484	10,247	11,678	9,325	10,617	9,426	9,037	10,040	11,408	9,946	11,223
41 US 50 EB: 5th St Off-ramp	Diverge	8,062	8,121	8,397	8,965	8,545	8,948	8,524	8,839	8,764	8,919	7,927	8,334	8,120	7,014	8,558	8,704	8,499	8,498
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	7,181	6,829																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			7,485	7,604	7,642	7,524	7,644	7,522	7,922	7,509	7,072	7,027	7,262	5,882	7,663	7,314	7,634	7,154
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	7,165	6,789																
US 50 EB: HOV Lane Add to I-5 On	Basic	7,153	6,792																
44 US 50 EB: I-5 to 15th St	Weave	7,149	6,789	7,457	7,556	7,652	7,507	7,607	7,512	7,868	7,508	7,030	7,032	7,220	5,877	7,632	7,307	7,561	7,159
45 US 50 EB: 15th St to 11th St	Basic	12,605	10,041	11,652	10,619	11,834	10,442	11,688	10,517	11,806	10,353	11,352	10,690	11,676	10,502	12,279	10,224	11,667	10,721
46 US 50 EB: 11th St On-ramp	Merge	12,642	10,039	11,639	10,618	11,819	10,439	11,674	10,510	11,789	10,385	11,338	10,684	11,664	10,469	12,265	10,218	11,647	10,724
47 US 50 EB: 16th St to SR 51/SR 99	Weave	13,436	11,609	12,850	12,195	13,118	12,077	12,844	12,031	13,165	11,981	12,631	12,243	12,943	12,005	13,471	11,798	12,890	12,298

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 2  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	2,869	3,468													3,068	2,240		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			3,034	3,791	3,022	3,723	2,932	3,716	3,032	3,766	2,909	3,469	2,756	1,942			2,620	3,586
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			3,062	3,674	3,019	3,582	2,927	3,608	3,063	3,659	2,906	3,464	2,754	1,976			2,617	3,525
62 I-80 EB: US 50 On-ramp	Basic/Merge	2,863	3,472	3,062	3,667	3,019	3,573	2,929	3,599	3,062	3,651	2,907	3,462	2,754	1,976	3,067	3,937	2,617	3,517
63 I-80 EB: US 50 to Reed Ave	Basic	4,961	5,526	5,149	5,807	5,163	5,536	5,036	5,598	5,182	5,580	5,040	5,742	4,892	4,273	5,187	5,984	5,004	5,754
64 I-80 EB: Reed Ave Off-ramp	Diverge	4,960	5,528	5,146	5,746	5,158	5,437	5,029	5,490	5,177	5,508	5,038	5,704	4,886	4,271	5,184	5,867	5,004	5,649
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,490	4,794	3,711	5,173	3,690	4,888	3,581	4,918	3,700	4,962	3,601	5,150	3,368	3,868	3,742	5,286	3,609	5,056
66 I-80 EB: Reed Ave On-ramp	Merge	3,493	4,785	3,710	5,134	3,691	4,845	3,576	4,878	3,738	4,950	3,565	5,133	3,366	3,868	3,737	5,207	3,606	4,987
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	4,357	6,842											4,327	5,953				
I-80 EB: Reed Ave to W El Camino Ave	Basic			3,869	5,417	3,813	5,125	3,740	5,284	3,869	5,248	3,788	5,839			4,697	6,832	3,926	5,279
I-80 EB: HOV Lane Add to W El Camino Ave	Basic	4,314	6,830											4,283	5,947				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	4,313	6,829	4,618	6,650	4,594	6,230	4,475	6,350	4,640	6,396	4,530	7,233	4,282	5,946	4,656	6,700	4,646	6,431
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,664	5,702	3,869	5,417	3,813	5,125	3,740	5,284	3,869	5,248	3,788	5,839	3,592	4,678	3,903	5,515	3,926	5,279
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	3,665	5,699	3,871	5,408	3,814	5,127	3,739	5,280	3,868	5,251	3,789	5,819	3,589	4,677	3,903	5,510	3,925	5,285
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	4,527	6,345	4,740	6,022	4,675	5,752	4,587	5,874	4,738	5,849	4,668	6,442	4,509	5,359	4,801	6,116	4,833	5,895
73 I-80 EB: W El Camino Ave to I-5	Basic	5,441	7,214	5,618	6,826	5,588	6,538	5,346	6,706	5,555	6,606	5,583	7,275	5,451	6,234	5,682	6,921	5,743	6,735
74 I-80 EB: I-5 Off-ramp	Basic	5,441	7,213	5,618	6,828	5,589	6,535	5,345	6,702	5,555	6,638	5,581	7,266	5,452	6,234	5,679	6,921	5,742	6,734
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	4,097	5,146	4,174	5,158	4,184	4,956	4,013	5,088	4,162	4,994	4,182	5,195	4,142	4,465	4,233	5,273	4,277	5,050
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	4,090	5,102	4,201	5,160	4,178	4,947	3,972	5,085	4,158	4,990	4,172	5,208	4,101	4,468	4,228	5,266	4,274	5,083
77 I-80 EB: I-5 SB On-ramp	Merge	4,050	5,085	4,196	5,155	4,166	4,941	3,964	5,080	4,150	4,991	4,167	5,196	4,094	4,472	4,225	5,267	4,233	5,087
78 I-80 EB: I-5 to Truxel Rd	Weave	5,625	6,733	5,851	6,824	5,767	6,489	5,587	6,564	5,730	6,590	5,753	6,829	5,729	6,226	5,877	6,889	5,834	6,673
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	7,294	9,278	7,658	9,362	7,564	9,058	7,402	9,225	7,550	9,216	7,547	9,421	7,541	8,998	7,707	9,581	7,648	9,339
80 I-80 EB: Truxel Rd SB On-ramp	Basic	7,290	9,280	7,651	9,353	7,557	9,072	7,394	9,207	7,545	9,201	7,541	9,420	7,498	9,003	7,734	9,547	7,639	9,323
81 I-80 EB: Truxel Rd NB On-ramp	Merge	8,102	10,047	8,510	10,121	8,368	9,805	8,235	9,866	8,477	9,955	8,406	10,214	8,366	9,861	8,596	10,365	8,471	10,116
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	8,850	10,616	9,229	10,731	9,197	10,397	8,963	10,497	9,321	10,583	9,171	10,852	9,131	10,632	9,323	10,965	9,219	10,701
83 I-80 EB: Northgate Blvd Off-ramp	Basic	8,802	10,566	9,184	10,690	9,182	10,370	8,952	10,414	9,308	10,536	9,159	10,819	9,119	10,603	9,307	10,896	9,200	10,670

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 3  
 Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	6,835	7,292	6,838	7,367	6,653	7,192	6,627	7,194	6,707	7,293	6,864	7,391	7,013	280	6,834	7,443	6,790	7,115
2 I-80 EB: Pedrick Rd to Lane Add	Basic	7,114	7,445	7,128	7,558	6,929	7,386	6,872	7,356	6,958	7,411	7,191	7,576	7,294	355	7,116	7,598	7,067	7,337
3 I-80 EB: Lane Add to Kidwell Rd	Basic	7,122	7,469	7,130	7,552	6,896	7,375	6,871	7,355	6,961	7,401	7,193	7,551	7,300	371	7,081	7,587	7,102	7,234
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	7,121	7,433	7,129	7,549	6,896	7,378	6,872	7,359	6,961	7,404	7,158	7,548	7,300	338	7,080	7,587	7,069	7,225
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	7,097	7,380	7,073	7,457	6,876	7,283	6,851	7,308	6,902	7,354	7,136	7,452	7,274	343	7,051	7,524	7,046	7,034
6 I-80 EB: Kidwell Rd to SR 113	Weave	7,103	7,346	7,081	7,461	6,884	7,284	6,858	7,296	6,942	7,306	7,143	7,335	7,245	398	7,058	7,519	7,054	6,874
7 I-80 EB: SR 113 to Old Davis Rd	Basic	5,256	5,029	5,398	5,853	5,350	5,833	5,299	5,803	5,365	5,786	5,371	5,085	5,144	364	5,366	5,940	5,352	5,155
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	5,257	4,899	5,401	5,701	5,348	5,740	5,301	5,749	5,368	5,724	5,339	4,920	5,147	375	5,332	5,861	5,355	4,921
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,599	4,470	4,821	5,136	4,783	5,212	4,734	5,285	4,815	5,213	4,680	4,379	4,530	391	4,758	5,315	4,807	4,348
10 I-80 EB: SR 113 On-ramp	Basic	4,606	4,440	4,825	5,006	4,787	4,991	4,738	5,070	4,822	4,966	4,685	4,408	4,534	417	4,763	5,218	4,815	4,094
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	6,046	5,147	6,507	5,907	6,494	5,849	6,361	5,761	6,424	5,736	6,199	5,100	5,945	1,218	6,473	6,081	6,496	4,876
12 I-80 EB: Old Davis Rd On-ramp	Merge	6,053	5,118	6,508	5,912	6,495	5,817	6,361	5,755	6,424	5,768	6,196	5,131	5,943	1,219	6,473	6,039	6,499	4,904
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	6,852	6,034	7,334	6,947	7,273	6,871	7,170	6,670	7,228	6,786	6,985	6,090	6,736	1,932	7,304	7,031	7,365	5,877
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	6,851	6,004											6,736	1,941				
I-80 EB: Lane Drop to Richards Blvd	Basic			7,335	6,948	7,276	6,841	7,167	6,624	7,227	6,779	6,985	6,091			7,306	6,998	7,334	5,860
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	6,850	6,044											6,735	1,967				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	6,849	6,046	7,340	6,910	7,276	6,839	7,167	6,659	7,230	6,776	6,983	6,067	6,737	1,972	7,310	6,998	7,369	5,826
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	5,880	5,290	6,378	6,228	6,294	6,188	6,253	5,968	6,289	6,019	6,004	5,341	5,670	1,735	6,349	6,290	6,403	5,214
18 I-80 EB: Richards Blvd On-ramp	Merge	5,880	5,328	6,379	6,261	6,332	6,188	6,258	5,967	6,293	6,011	6,005	5,337	5,708	1,712	6,350	6,250	6,402	5,168
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	6,260	5,892	6,844	7,075	6,784	7,045	6,703	6,619	6,728	6,681	6,419	5,938	6,076	2,347	6,816	7,050	6,869	5,966
20 I-80 EB: Mace Blvd Off-ramp	Diverge	6,274	5,930	6,849	7,075	6,801	7,041	6,752	6,662	6,780	6,720	6,430	5,945	6,073	2,388	6,829	7,089	6,885	5,935
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	5,734	5,662	6,318	6,812	6,252	6,800	6,163	6,401	6,220	6,456	5,904	5,696	5,445	2,301	6,277	6,800	6,352	5,718
22 I-80 EB: Mace Blvd SB On-ramp	Merge	5,747	5,663	6,325	6,814	6,251	6,796	6,171	6,398	6,226	6,456	5,904	5,698	5,448	2,305	6,284	6,801	6,355	5,716
23 I-80 EB: Mace Blvd NB On-ramp	Merge	6,685	6,505	7,161	7,884	7,070	7,764	6,928	7,406	7,061	7,683	6,701	6,678	6,112	3,083	7,135	7,837	7,182	6,642
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	7,396	7,140	8,017	8,784	7,876	8,685	7,740	8,213	7,790	8,752	7,427	7,418	6,768	3,861	7,957	8,761	8,003	7,503
25 I-80 EB: County Rd 32B Off-ramp	Diverge	7,388	7,123	8,026	8,745	7,895	8,568	7,751	8,147	7,814	8,566	7,441	7,393	6,776	4,013	7,982	8,697	8,025	7,448
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	7,379	7,115	7,984	8,723	7,860	8,503	7,744	8,110	7,810	8,495	7,426	7,344	6,722	4,015	7,937	8,663	8,012	7,413
27 I-80 EB: County Rd 32B On-ramp	Merge	7,391	7,114	7,987	8,709	7,858	8,482	7,749	8,079	7,815	8,470	7,430	7,380	6,712	4,025	7,937	8,645	8,018	7,403
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	7,874	8,060	8,577	9,517	8,347	9,256	8,276	8,746	8,718	9,310	7,998	8,294	7,559	4,932	8,479	9,437	8,561	8,225
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	7,971	8,060	8,618	9,349	8,415	8,842	8,355	8,307	8,762	8,880	8,000	8,329	7,501	4,964	8,550	9,188	8,593	8,374
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	7,227	7,338	7,811	8,554	7,591	8,039	7,550	7,647	7,889	8,082	7,246	7,613			7,746	8,377	7,837	7,743
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													6,875	4,436				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													6,875	4,434				
31 I-80 EB: Enterprise Blvd to US 50	Weave	7,228	7,339	7,851	8,519	7,597	8,025	7,553	7,624	7,895	8,073	7,248	7,613	6,873	4,431	7,748	8,409	7,841	7,802
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	5,368	5,467											5,286	3,901				
US 50 EB: I-80 Off to On-ramp	Basic			5,911	6,009	5,666	5,451	5,658	5,227	6,005	5,449	5,446	5,609			5,802	5,989	5,637	5,704
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	5,416	5,514											5,287	3,835				
34 US 50 EB: I-80 to Harbor Blvd	Weave	5,422	5,525	5,925	6,252	5,680	5,619	5,709	5,308	6,017	5,496	5,462	5,715	5,288	3,828	5,815	6,210	5,651	5,690
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	6,137	7,040	7,018	7,932	6,697	7,497	6,715	7,073	7,035	7,304	6,383	7,404	6,195	5,498	7,010	8,037	6,907	7,231
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	6,140	7,099	7,058	7,948	6,697	7,573	6,720	7,110	7,035	7,347	6,386	7,452	6,196	5,465	7,009	8,106	6,911	7,225
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	5,004	6,934	5,836	8,066	5,636	7,664	5,518	7,331	5,691	7,641	5,258	7,483	5,058	5,699	5,793	8,198	5,695	7,363
38 US 50 EB: Jefferson Blvd On-ramp	Merge	4,969	7,000	5,869	8,069	5,621	7,713	5,565	7,436	5,669	7,745	5,246	7,548	5,070	5,727	5,812	8,263	5,704	7,377
39 US 50 EB: S River Rd On-ramp	Merge	6,883	8,738	7,823	9,801	7,795	9,636	7,576	9,190	7,886	9,672	7,294	9,312	7,032	7,436	7,572	10,043	7,527	9,100
40 US 50 EB: I-5 Off-ramp	Basic	8,094	9,715	9,006	10,774	8,868	10,558	8,774	10,228	8,990	10,732	8,450	10,231	8,189	8,339	8,673	10,976	8,650	10,000
41 US 50 EB: 5th St Off-ramp	Diverge	6,548	7,708	7,256	8,381	7,100	8,206	7,027	7,904	7,272	8,389	6,839	8,134	6,636	6,615	6,985	8,560	6,983	7,773
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	5,510	6,125																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			6,223	6,684	6,073	6,671	5,972	6,344	6,229	6,782	5,818	6,494	5,669	5,229	5,902	6,942	6,003	6,279
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	5,518	6,153																
US 50 EB: HOV Lane Add to I-5 On	Basic	5,521	6,167																
44 US 50 EB: I-5 to 15th St	Weave	5,516	6,175	6,243	6,741	6,089	6,696	6,001	6,378	6,248	6,817	5,802	6,515	5,676	5,243	5,919	6,983	6,055	6,285
45 US 50 EB: 15th St to 11th St	Basic	8,721	8,981	9,801	9,292	9,151	9,270	8,876	9,342	9,374	9,653	8,972	9,562	9,442	9,077	9,083	9,422	9,217	9,778
46 US 50 EB: 11th St On-ramp	Merge	8,722	8,985	9,811	9,330	9,169	9,277	8,866	9,311	9,363	9,689	9,038	9,599	9,495	9,032	9,140	9,459	9,271	9,786
47 US 50 EB: 16th St to SR 51/SR 99	Weave	10,083	10,285	11,028	10,693	10,565	10,765	10,106	10,682	10,800	11,197	10,341	10,969	10,716	10,384	10,386	10,822	10,463	11,161

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 3  
 Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	3,319	3,706													3,625	2,470		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			3,592	4,108	3,593	3,940	3,455	3,719	3,592	4,042	3,367	3,877	3,296	2,423			3,268	3,731
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			3,587	4,142	3,592	3,951	3,461	3,750	3,556	4,055	3,367	3,865	3,291	2,381			3,268	3,741
62 I-80 EB: US 50 On-ramp	Basic/Merge	3,317	3,728	3,586	4,143	3,592	3,952	3,460	3,752	3,556	4,057	3,366	3,864	3,290	2,413	3,616	4,234	3,267	3,776
63 I-80 EB: US 50 to Reed Ave	Basic	4,992	5,968	5,304	5,842	5,315	5,620	5,218	5,354	5,334	5,649	5,142	6,198	5,029	4,807	5,372	5,860	5,251	5,585
64 I-80 EB: Reed Ave Off-ramp	Diverge	4,992	5,915	5,309	5,840	5,319	5,655	5,224	5,366	5,336	5,660	5,144	6,164	5,030	4,803	5,374	5,875	5,249	5,606
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,494	5,155	3,804	5,229	3,736	5,029	3,758	4,776	3,781	5,052	3,659	5,419	3,451	4,288	3,857	5,238	3,693	4,990
66 I-80 EB: Reed Ave On-ramp	Merge	3,496	5,143	3,804	5,267	3,737	5,032	3,725	4,811	3,780	5,059	3,661	5,405	3,452	4,284	3,864	5,249	3,696	5,033
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	4,414	7,321											4,396	6,406				
I-80 EB: Reed Ave to W El Camino Ave	Basic			3,970	5,591	3,898	5,306	3,870	5,244	3,840	5,378	3,825	5,666			4,792	7,260	3,869	5,558
I-80 EB: HOV Lane Add to W El Camino Ave	Basic	4,428	7,318											4,403	6,399				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	4,429	7,312	4,786	7,230	4,735	6,865	4,706	6,726	4,732	6,911	4,642	7,539	4,401	6,399	4,835	7,279	4,756	7,013
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,673	5,513	3,970	5,591	3,898	5,306	3,870	5,244	3,840	5,378	3,825	5,666	3,586	4,579	3,949	5,569	3,869	5,558
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	3,674	5,512	3,933	5,608	3,899	5,304	3,867	5,238	3,842	5,371	3,824	5,659	3,588	4,579	3,947	5,572	3,871	5,561
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	4,459	6,225	4,668	6,309	4,659	5,967	4,572	5,871	4,625	6,037	4,583	6,374	4,370	5,307	4,686	6,255	4,643	6,222
73 I-80 EB: W El Camino Ave to I-5	Basic	5,032	7,049	5,316	7,134	5,356	6,803	5,178	6,698	5,309	6,842	5,194	7,195	4,975	6,146	5,335	7,134	5,245	7,056
74 I-80 EB: I-5 Off-ramp	Basic	5,031	7,049	5,316	7,133	5,357	6,805	5,179	6,699	5,310	6,845	5,194	7,196	4,975	6,146	5,336	7,134	5,246	7,056
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	3,435	4,730	3,671	4,745	3,685	4,513	3,611	4,398	3,653	4,538	3,578	4,816	3,474	4,104	3,714	4,755	3,648	4,709
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	3,443	4,697	3,678	4,738	3,694	4,548	3,621	4,390	3,658	4,536	3,594	4,813	3,482	4,103	3,721	4,756	3,656	4,713
77 I-80 EB: I-5 SB On-ramp	Merge	3,448	4,727	3,686	4,734	3,708	4,514	3,631	4,394	3,699	4,529	3,595	4,811	3,486	4,067	3,727	4,759	3,663	4,706
78 I-80 EB: I-5 to Truxel Rd	Weave	4,986	6,247	5,235	6,225	5,250	5,980	5,084	5,936	5,126	6,023	5,204	6,415	5,116	5,674	5,340	6,294	5,259	6,244
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	5,801	8,062	6,168	8,448	6,027	8,033	5,977	8,022	6,145	8,119	6,058	8,343	6,020	7,891	6,248	8,454	6,080	8,434
80 I-80 EB: Truxel Rd SB On-ramp	Basic	5,810	8,066	6,179	8,447	6,036	8,032	5,983	8,031	6,152	8,165	6,099	8,336	6,032	7,923	6,263	8,449	6,091	8,432
81 I-80 EB: Truxel Rd NB On-ramp	Merge	6,802	8,884	7,247	9,283	7,067	8,856	6,951	8,857	7,127	8,998	7,130	9,154	7,063	8,661	7,281	9,249	7,161	9,238
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	7,484	9,704	7,957	10,040	7,801	9,615	7,653	9,558	7,931	9,806	7,885	9,933	7,799	9,535	8,013	9,985	7,889	9,982
83 I-80 EB: Northgate Blvd Off-ramp	Basic	7,509	9,718	8,010	10,004	7,786	9,622	7,669	9,600	7,946	9,818	7,903	9,940	7,810	9,571	8,031	9,986	7,906	9,981

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 4  
 Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	5,653	6,633	5,614	6,829	5,571	6,682	5,436	6,506	5,493	6,666	5,628	6,573	5,683	1,086	5,706	6,777	5,740	5,556
2 I-80 EB: Pedrick Rd to Lane Add	Basic	5,837	6,839	5,789	7,044	5,751	6,872	5,577	6,623	5,664	6,796	5,775	6,713	5,900	1,305	5,886	7,025	5,918	5,626
3 I-80 EB: Lane Add to Kidwell Rd	Basic	5,835	6,855	5,790	7,023	5,753	6,811	5,580	6,624	5,667	6,774	5,808	6,625	5,901	1,303	5,887	6,997	5,925	5,477
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	5,837	6,855	5,792	7,024	5,753	6,807	5,583	6,623	5,668	6,771	5,809	6,609	5,901	1,305	5,921	6,994	5,925	5,458
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	5,815	6,787	5,806	6,978	5,733	6,702	5,561	6,577	5,652	6,659	5,790	6,496	5,882	1,274	5,906	6,945	5,901	5,345
6 I-80 EB: Kidwell Rd to SR 113	Weave	5,814	6,842	5,798	6,951	5,729	6,513	5,588	6,477	5,653	6,528	5,749	6,272	5,881	1,259	5,904	6,927	5,897	5,097
7 I-80 EB: SR 113 to Old Davis Rd	Basic	4,658	5,222	4,802	5,612	4,749	5,070	4,578	5,252	4,720	5,100	4,628	4,646	4,666	956	4,869	5,558	4,888	4,144
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	4,694	5,227	4,797	5,622	4,748	4,924	4,576	5,117	4,719	4,937	4,629	4,654	4,671	1,015	4,899	5,391	4,887	4,101
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,317	4,933	4,431	5,331	4,394	4,551	4,256	4,724	4,425	4,604	4,283	4,423	4,272	914	4,563	5,046	4,529	3,901
10 I-80 EB: SR 113 On-ramp	Basic	4,312	4,967	4,430	5,302	4,358	4,508	4,288	4,558	4,422	4,470	4,281	4,441	4,268	946	4,523	4,866	4,524	3,901
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	5,151	5,824	5,443	6,426	5,330	5,584	5,217	5,620	5,381	5,457	5,285	5,368	5,089	1,868	5,543	6,018	5,496	5,059
12 I-80 EB: Old Davis Rd On-ramp	Merge	5,151	5,824	5,442	6,418	5,328	5,582	5,218	5,616	5,379	5,449	5,289	5,337	5,091	1,873	5,541	6,012	5,493	5,062
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	5,734	6,643	6,108	7,310	5,977	6,469	5,861	6,518	6,010	6,301	5,923	6,222	5,687	2,825	6,208	6,904	6,149	5,966
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	5,736	6,655											5,689	2,835				
I-80 EB: Lane Drop to Richards Blvd	Basic			6,109	7,271	5,943	6,465	5,866	6,559	6,010	6,255	5,921	6,224			6,210	6,899	6,147	5,985
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	5,736	6,632											5,723	2,866				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	5,737	6,641	6,111	7,305	5,977	6,487	5,866	6,524	6,041	6,262	5,920	6,236	5,721	2,873	6,206	6,888	6,148	6,058
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	4,913	5,762	5,383	6,440	5,236	5,649	5,157	5,687	5,204	5,504	5,116	5,385	4,826	2,486	5,437	6,055	5,350	5,342
18 I-80 EB: Richards Blvd On-ramp	Merge	4,949	5,773	5,349	6,442	5,240	5,648	5,155	5,684	5,198	5,507	5,122	5,404	4,830	2,497	5,438	6,057	5,353	5,396
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	5,300	6,306	5,821	7,302	5,708	6,505	5,639	6,428	5,635	6,272	5,537	5,975	5,212	3,193	5,921	6,935	5,864	6,252
20 I-80 EB: Mace Blvd Off-ramp	Diverge	5,299	6,335	5,854	7,302	5,701	6,507	5,634	6,436	5,634	6,273	5,537	6,010	5,371	3,220	5,924	6,932	5,894	6,303
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	4,830	5,988	5,455	6,948	5,319	6,164	5,253	6,100	5,236	5,967	5,127	5,491	4,911	3,046	5,499	6,614	5,469	6,042
22 I-80 EB: Mace Blvd SB On-ramp	Merge	4,828	5,989	5,455	6,914	5,316	6,162	5,250	6,133	5,233	5,970	5,129	5,495	4,931	3,050	5,495	6,619	5,473	6,011
23 I-80 EB: Mace Blvd NB On-ramp	Merge	5,423	6,787	6,361	7,872	6,153	7,036	6,057	7,012	6,060	7,072	6,030	6,403	5,677	4,076	6,397	7,549	6,349	7,104
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	6,028	7,340	7,123	8,649	6,846	7,780	6,660	7,701	6,581	7,817	6,713	7,093	6,281	4,865	7,110	8,346	7,052	7,853
25 I-80 EB: County Rd 32B Off-ramp	Diverge	6,050	7,316	7,147	8,622	6,859	7,822	6,678	7,667	6,595	7,924	6,723	7,070	6,317	4,960	7,125	8,282	7,066	7,894
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	6,035	7,306	7,137	8,616	6,848	7,820	6,666	7,668	6,586	7,931	6,717	7,066	6,315	4,967	7,114	8,286	7,019	7,906
27 I-80 EB: County Rd 32B On-ramp	Merge	6,034	7,275	7,132	8,619	6,853	7,820	6,670	7,679	6,591	7,960	6,714	7,071	6,336	4,940	7,112	8,293	7,017	7,913
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	6,218	8,161	7,362	9,231	7,029	8,376	6,876	8,321	6,972	8,575	6,935	8,348	6,653	5,908	7,337	8,893	7,229	8,611
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	6,237	8,158	7,422	9,312	7,090	8,450	6,937	8,433	7,031	8,557	6,989	8,318	6,750	6,020	7,370	8,974	7,296	8,665
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	5,715	7,260	6,822	8,309	6,458	7,579	6,361	7,516	6,448	7,605	6,416	7,406			6,815	7,991	6,765	7,719
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													6,239	5,252				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													6,243	5,260				
31 I-80 EB: Enterprise Blvd to US 50	Weave	5,687	7,256	6,819	8,352	6,459	7,596	6,363	7,535	6,443	7,609	6,455	7,405	6,247	5,276	6,817	7,995	6,769	7,738
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	4,900	4,579											5,475	3,992				
US 50 EB: I-80 Off to On-ramp	Basic			5,716	4,868	5,485	4,473	5,386	4,507	5,457	4,491	5,398	4,762			5,723	4,687	5,278	4,883
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	4,902	4,552											5,463	4,038				
34 US 50 EB: I-80 to Harbor Blvd	Weave	4,905	4,588	5,713	4,915	5,477	4,465	5,356	4,516	5,459	4,533	5,364	4,770	5,425	4,036	5,678	4,715	5,278	5,024
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	5,194	5,293	6,231	5,934	5,991	5,315	5,926	5,337	5,970	5,376	5,650	5,599	5,679	4,774	6,201	5,722	5,765	6,292
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	5,185	5,302	6,226	6,006	5,986	5,315	5,913	5,373	5,961	5,378	5,589	5,566	5,670	4,798	6,193	5,738	5,760	6,264
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	4,920	5,532	5,842	6,519	5,730	5,708	5,503	5,774	5,592	5,817	5,063	5,592	5,272	5,027	5,768	6,292	5,430	6,481
38 US 50 EB: Jefferson Blvd On-ramp	Merge	4,889	5,564	5,773	6,632	5,678	5,771	5,451	5,766	5,599	5,825	4,971	5,615	5,185	4,985	5,688	6,375	5,334	6,482
39 US 50 EB: S River Rd On-ramp	Merge	6,679	7,358	7,763	8,513	7,486	7,778	7,267	7,673	7,624	7,901	6,690	7,656	6,797	6,424	7,489	8,295	7,126	8,248
40 US 50 EB: I-5 Off-ramp	Basic	7,847	8,441	8,860	9,559	8,606	8,814	8,289	8,730	8,747	9,032	7,719	8,848	7,804	7,347	8,649	9,437	8,258	9,287
41 US 50 EB: 5th St Off-ramp	Diverge	6,466	6,229	7,222	7,022	7,065	6,437	6,755	6,322	7,198	6,562	6,319	6,589	6,430	5,439	7,065	6,910	6,790	6,804
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	5,887	4,803																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			6,554	5,475	6,422	5,011	6,149	4,855	6,554	5,057	5,737	5,102	5,854	4,183	6,416	5,390	6,208	5,333
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	5,880	4,802																
US 50 EB: HOV Lane Add to I-5 On	Basic	5,877	4,803																
44 US 50 EB: I-5 to 15th St	Weave	5,879	4,806	6,546	5,495	6,409	5,023	6,143	4,818	6,519	5,060	5,685	5,070	5,813	4,180	6,384	5,409	6,213	5,333
45 US 50 EB: 15th St to 11th St	Basic	9,482	9,564	10,267	9,767	9,746	9,676	9,394	9,737	9,682	9,927	8,527	9,863	9,342	7,808	10,110	9,629	9,787	9,614
46 US 50 EB: 11th St On-ramp	Merge	9,473	9,574	10,265	9,768	9,750	9,682	9,425	9,746	9,690	9,931	8,493	9,876	9,349	7,859	10,074	9,602	9,819	9,690
47 US 50 EB: 16th St to SR 51/SR 99	Weave	10,731	10,701	11,358	10,873	10,835	10,840	10,437	10,885	10,814	11,115	9,678	11,016	10,511	9,031	11,196	10,724	10,943	10,833



I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 4  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	2,624	4,469													2,905	3,045		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			2,910	5,017	2,805	4,665	2,746	4,587	2,757	4,706	2,787	4,476	2,727	3,096			2,475	4,583
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			2,916	4,991	2,813	4,682	2,747	4,594	2,763	4,729	2,790	4,474	2,730	3,121			2,481	4,594
62 I-80 EB: US 50 On-ramp	Basic/Merge	2,630	4,464	2,917	4,993	2,811	4,684	2,748	4,594	2,763	4,730	2,790	4,475	2,729	3,122	2,915	5,179	2,483	4,595
63 I-80 EB: US 50 to Reed Ave	Basic	3,778	6,050	4,160	7,043	4,008	6,633	3,885	6,671	3,912	6,785	3,966	6,175	3,932	4,811	4,144	7,072	3,842	6,941
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,784	6,058	4,161	7,045	4,017	6,641	3,889	6,709	3,916	6,788	3,971	6,174	3,935	4,804	4,148	7,075	3,848	6,946
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,060	5,690	3,422	6,490	3,250	6,081	3,202	6,178	3,178	6,194	3,237	5,714	3,231	4,424	3,368	6,540	3,101	6,363
66 I-80 EB: Reed Ave On-ramp	Merge	3,058	5,673	3,422	6,480	3,251	6,077	3,207	6,180	3,177	6,181	3,239	5,765	3,230	4,371	3,364	6,526	3,102	6,356
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	3,958	7,717											4,234	6,448				
I-80 EB: Reed Ave to W El Camino Ave	Basic			3,710	6,332	3,545	5,943	3,459	6,075	3,470	6,042	3,498	5,887			4,360	8,382	3,570	6,194
I-80 EB: HOV Lane Add to W El Camino Ave	Basic	3,959	7,701											4,204	6,406				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	3,956	7,701	4,443	8,305	4,268	7,850	4,184	8,029	4,208	7,890	4,265	7,847	4,206	6,406	4,359	8,365	4,242	8,189
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	3,215	5,751	3,710	6,332	3,545	5,943	3,459	6,075	3,470	6,042	3,498	5,887	3,529	4,800	3,585	6,369	3,570	6,194
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	3,210	5,754	3,708	6,323	3,514	5,949	3,460	6,084	3,467	6,015	3,497	5,910	3,526	4,796	3,589	6,365	3,570	6,160
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	3,658	6,321	4,144	6,967	3,944	6,618	3,850	6,725	3,872	6,665	3,979	6,607	3,974	5,395	4,035	7,045	4,013	6,846
73 I-80 EB: W El Camino Ave to I-5	Basic	4,063	6,865	4,575	7,632	4,359	7,261	4,262	7,335	4,291	7,283	4,409	7,277	4,370	6,005	4,501	7,597	4,440	7,506
74 I-80 EB: I-5 Off-ramp	Basic	4,064	6,867	4,575	7,633	4,360	7,263	4,261	7,337	4,292	7,284	4,409	7,282	4,369	6,005	4,501	7,593	4,439	7,508
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,977	4,778	3,417	5,305	3,255	4,959	3,163	4,985	3,270	5,025	3,253	4,973	3,299	4,002	3,379	5,226	3,329	5,050
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,977	4,792	3,415	5,311	3,257	4,962	3,158	4,991	3,229	5,022	3,250	4,988	3,296	4,002	3,382	5,221	3,326	5,054
77 I-80 EB: I-5 SB On-ramp	Merge	2,980	4,836	3,409	5,312	3,250	4,961	3,158	4,986	3,229	5,019	3,249	4,997	3,294	4,002	3,380	5,181	3,324	5,058
78 I-80 EB: I-5 to Truxel Rd	Weave	4,291	6,175	4,738	6,679	4,542	6,358	4,459	6,380	4,529	6,367	4,634	6,408	4,644	5,390	4,676	6,618	4,653	6,439
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	5,381	7,052	5,971	7,469	5,683	7,376	5,585	7,296	5,750	7,206	5,920	7,376	5,874	6,293	5,847	7,468	5,869	7,262
80 I-80 EB: Truxel Rd SB On-ramp	Basic	5,380	7,053	5,965	7,487	5,679	7,405	5,584	7,308	5,752	7,213	5,919	7,391	5,874	6,299	5,841	7,483	5,865	7,288
81 I-80 EB: Truxel Rd NB On-ramp	Merge	6,064	7,840	6,661	8,357	6,381	8,263	6,305	8,069	6,476	8,006	6,584	8,208	6,548	7,081	6,519	8,316	6,572	8,165
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,502	8,527	7,110	9,171	6,843	9,065	6,765	8,867	6,935	8,780	7,095	9,005	7,031	7,784	6,988	9,115	7,051	8,988
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,466	8,575	7,108	9,229	6,839	9,120	6,763	8,931	6,935	8,837	7,091	9,095	7,035	7,821	6,981	9,172	7,051	9,052

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 1  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	8,936	8,797	9,613	9,186	9,407	8,942	9,300	9,019	9,490	9,058	9,365	9,135	6,648	4,934	9,684	9,049	9,543	8,976
102 US 50 WB: SR 51 to 16th St	Weave	13,322	11,774	14,017	12,191	13,822	11,881	13,709	11,892	14,046	11,932	13,688	12,696	8,576	5,845	14,232	11,960	14,061	11,959
103 US 50 WB: 10th St Off-ramp	Diverge	13,962	13,097	14,625	13,646	14,408	13,246	14,393	13,436	14,673	13,416	14,215	13,684	9,235	7,134	14,860	13,456	14,673	13,455
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	12,877	12,078	13,507	12,630	13,333	12,220	13,305	12,409	13,583	12,399	13,133	12,624	8,449	6,614	13,745	12,439	13,604	12,448
105 US 50 WB: 15th St to I-5	Weave	12,884	11,818	13,543	12,388	13,367	12,016	13,307	12,259	13,582	12,189	13,095	12,467	8,333	6,639	13,741	12,234	13,607	12,268
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	8,197	6,899	8,944	7,543	8,949	7,262	8,861	7,471	9,014	7,517	8,517	7,455	4,544	4,149	9,153	7,399	9,091	7,520
107 US 50 WB: 5th St On-ramp	Merge	8,179	6,936	8,948	7,552	8,950	7,264	8,866	7,474	8,978	7,522	8,413	7,456	5,530	4,541	9,154	7,405	9,097	7,525
108 US 50 WB: I-5 On-ramp	Merge	8,371	7,357	9,201	7,956	9,164	7,656	9,113	7,881	9,227	7,945	8,549	7,880	5,683	5,026	9,377	7,814	9,320	7,903
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	10,938	8,692	12,023	9,421	11,910	9,133	11,736	9,264	11,964	9,456	10,285	9,313	7,126	6,440	12,278	9,285	12,086	9,481
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtway	Basic	9,064	6,386	9,844	7,156	9,758	6,940	9,587	7,059	9,761	7,160	8,327	6,801	5,715	4,703	10,116	7,090	9,885	7,253
111 US 50 WB: Tower Bridge Gtway On-ramp	Merge	8,960	6,397																
US 50 WB: Tower Bridge Gtway to Harbor Blvd	Weave			9,848	7,172	9,753	6,954	9,585	7,080	9,793	7,190	8,262	6,813	5,583	4,704	10,094	7,114	9,887	7,268
112 US 50 WB: Tower Bridge Gtway to Lane Add	Basic	9,561	7,568																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	9,512	7,574																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	9,470	7,578																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	6,717	5,278	7,695	5,931	7,662	5,711	7,372	5,841	7,600	5,920	6,355	5,623	4,466	3,906	7,880	5,825	7,704	5,929
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	6,571	5,283	7,724	5,930	7,662	5,711	7,360	5,846	7,635	5,920	6,324	5,626	4,442	3,940	7,838	5,826	7,684	5,929
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,805	5,910	8,087	6,496	8,012	6,260	7,745	6,379	8,026	6,498	6,727	6,269	4,893	4,367	8,228	6,387	8,183	6,649
118 US 50 WB: I-80 EB Off-ramp	Basic	6,914	6,155	8,386	6,796	8,307	6,552	7,983	6,710	8,281	6,768	7,020	6,558	5,205	4,552	8,524	6,728	8,463	6,951
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,503	4,349	6,752	4,722	6,787	4,565	6,464	4,722	6,677	4,793	5,579	4,538	4,029	3,605	6,917	4,631	6,681	4,558
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,484	4,323	6,752	4,723	6,793	4,566	6,465	4,727	6,711	4,795	5,576	4,539	3,191	2,943	6,909	4,667	6,682	4,558
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,434	4,359	6,757	4,724	6,801	4,571	6,467	4,730	6,712	4,801	5,542	4,545	3,937	3,606	6,906	4,673	6,641	4,558
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	8,813	7,113																
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			10,296	8,419	10,570	8,200	10,056	8,375	10,403	8,396	9,263	7,351			8,661	6,288	10,397	8,130
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	8,808	7,112											7,390	6,449				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	8,771	7,114	10,300	8,420	10,537	8,200	10,053	8,381	10,403	8,397	9,257	7,350	7,385	6,451	11,196	8,367	10,397	8,133
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	9,012	7,254	10,552	8,574	10,785	8,358	10,338	8,579	10,652	8,590	9,471	7,497	7,573	6,617	11,409	8,520	10,597	8,357
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,374	7,436	10,898	8,794	11,169	8,592	10,709	8,798	11,039	8,807	9,847	7,721	7,896	6,818	11,867	8,691	10,952	8,733
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,409	7,462	10,913	8,809	11,139	8,595	10,747	8,789	11,104	8,814	9,851	7,744	7,907	6,818	11,826	8,754	10,960	8,765
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,995	7,039	10,633	8,479	10,862	8,266	10,268	8,386	10,486	8,369	9,374	7,377	7,516	6,385	11,447	8,469	10,576	8,433
129 I-80 WB: County Rd 32A On-ramp	Merge	9,001	7,009	10,640	8,485	10,865	8,265	10,266	8,358	10,487	8,345	9,341	7,346	7,513	6,385	11,443	8,479	10,577	8,438
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	9,062	7,065	10,659	8,505	10,888	8,319	10,333	8,382	10,512	8,368	9,399	7,366	7,612	6,407	11,482	8,495	10,643	8,461
131 I-80 WB: Mace Blvd Off-ramp	Diverge	9,062	7,049	10,685	8,497	10,917	8,282	10,341	8,402	10,431	8,378	9,387	7,377	7,584	6,420	11,523	8,546	10,662	8,560
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,890	5,752	9,095	6,764	9,228	6,574	8,819	6,763	8,973	6,657	8,058	5,978	6,625	5,108	9,777	6,764	9,070	6,810
133 I-80 WB: Mace Blvd On-ramp	Merge	7,888	5,726	9,089	6,769	9,196	6,583	8,776	6,769	8,969	6,668	8,052	5,977	6,627	5,140	9,778	6,769	9,061	6,777
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	8,187	6,321	9,415	7,374	9,495	7,184	9,076	7,315	9,286	7,252	8,356	6,588	6,959	5,770	10,110	7,404	9,369	7,392
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	8,188	6,322	9,415	7,376	9,494	7,184	9,075	7,322	9,254	7,253	8,357	6,589	6,923	5,772	10,075	7,405	9,368	7,389
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,175	6,340	9,420	7,389	9,498	7,145	9,049	7,319	9,301	7,310	8,396	6,594	6,934	5,744	10,109	7,375	9,366	7,396
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	7,289	5,725	8,252	6,561	8,416	6,385	7,996	6,525	8,258	6,553	7,474	5,962	6,162	5,091	8,925	6,545	8,279	6,602
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	7,260	5,731	8,286	6,558	8,408	6,355	7,990	6,528	8,255	6,552	7,470	5,963	6,172	5,085	8,923	6,574	8,276	6,608
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,689	6,581	8,661	7,387	8,777	7,188	8,406	7,390	8,664	7,361	7,900	6,854	6,582	5,940	9,338	7,290	8,662	7,438
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,690	6,541	8,661	7,394	8,777	7,151	8,407	7,395	8,665	7,359	7,901	6,851	6,590	5,930	9,336	7,293	8,666	7,477
145 I-80 WB: SR 113 Off-ramp	Diverge	7,062	5,967	7,940	6,767	8,093	6,547	7,742	6,825	7,956	6,711	7,219	6,264	6,051	5,377	8,591	6,691	7,947	6,853
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	6,168	4,879	6,881	5,301	6,920	5,197	6,696	5,471	6,795	5,401	6,299	5,092	5,215	4,253	7,441	5,311	6,754	5,429
147 I-80 WB: Old Davis Rd On-ramp	Merge	6,164	4,882	6,846	5,301	6,924	5,156	6,701	5,470	6,787	5,408	6,299	5,057	5,215	4,257	7,454	5,313	6,757	5,393
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	6,194	5,105	6,914	5,508	6,992	5,327	6,769	5,641	6,820	5,589	6,328	5,284	5,246	4,505	7,514	5,484	6,785	5,591
149 I-80 WB: SR 113 to Kidwell Rd	Weave	6,194	5,112	6,913	5,475	6,993	5,327	6,733	5,642	6,827	5,592	6,332	5,289	5,246	4,505	7,514	5,484	6,786	5,589
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	7,208	6,515	7,767	6,746	7,792	6,555	7,541	6,750	7,644	6,848	7,368	6,748	6,617	6,273	8,400	6,708	7,691	6,793
151 I-80 WB: Kidwell Rd On-ramp	Merge	7,207	6,507	7,792	6,749	7,788	6,555	7,540	6,744	7,640	6,848	7,367	6,770	6,625	6,279	8,393	6,714	7,686	6,793
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	7,242	6,520	7,811	6,799	7,811	6,574	7,528	6,760	7,659	6,871	7,394	6,787	6,614	6,299	8,453	6,762	7,710	6,816
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	7,241	6,520	7,774	6,768	7,810	6,573	7,529	6,762	7,666	6,875	7,394	6,785	6,615	6,297	8,489	6,764	7,707	6,815
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	7,269	6,525	7,805	6,804	7,810	6,605	7,527	6,767	7,665	6,875	7,432	6,781	6,652	6,308	8,453	6,764	7,696	6,810

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 1  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	9,436	9,065	10,034	9,689	9,721	9,406	9,702	9,368	9,885	9,567	9,779	9,412	9,564	9,399	9,815	9,640	9,844	9,560
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	9,122	8,093	9,804	8,707	9,484	8,337	9,476	8,447	9,776	8,628	9,542	8,391	9,278	8,378	9,604	8,668	9,632	8,548
163 I-80 WB: Truxel Rd NB On-ramp	Basic	9,123	8,094	9,814	8,712	9,485	8,340	9,486	8,449	9,780	8,629	9,548	8,388	9,287	8,372	9,611	8,674	9,600	8,551
164 I-80 WB: Truxel Rd to I-5	Weave	9,725	8,452	10,535	9,036	10,079	8,655	10,133	8,766	10,420	8,957	10,288	8,705	9,936	8,703	10,286	8,998	10,271	8,871
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	6,061	4,732	6,598	5,169	6,368	4,963	6,310	5,154	6,562	5,225	6,418	4,901	5,970	4,926	6,611	5,196	6,460	5,022
166 I-80 WB: I-5 NB On-ramp	Merge	6,065	4,729	6,598	5,202	6,368	4,963	6,300	5,154	6,561	5,226	6,382	4,897	5,762	4,962	6,610	5,196	6,463	5,023
167 I-80 WB: I-5 to W El Camino Ave	Weave	6,159	4,973	6,744	5,457	6,506	5,249	6,440	5,430	6,706	5,508	6,528	5,180	5,942	5,216	6,720	5,449	6,605	5,270
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	6,969	5,710	7,801	6,498	7,770	6,310	7,531	6,460	7,777	6,473	7,494	5,890	6,613	6,001	8,095	6,480	7,777	6,324
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	6,926	5,709	7,764	6,496	7,785	6,311	7,492	6,458	7,746	6,472	7,486	5,891	6,654	6,000	8,103	6,483	7,745	6,327
170 I-80 WB: W El Camino EB On-ramp	Merge	7,211	6,166	8,079	6,966	8,096	6,769	7,839	6,991	8,069	6,964	7,892	6,409	7,021	6,542	8,493	6,958	8,067	6,762
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	7,552	6,512											6,848	6,402				
I-80 WB: W El Camino Ave to Reed Ave	Basic			8,449	7,403	8,465	7,193	8,147	7,448	8,437	7,382	8,271	6,788			8,888	7,384	8,402	7,195
172 I-80 WB: Lane Drop to Reed Ave	Basic	7,529	6,511											7,341	6,849				
173 I-80 WB: Reed Ave Off-ramp	Diverge	7,347	6,509	8,113	7,397	8,151	7,187	7,890	7,443	8,102	7,381	8,217	6,783	7,377	6,861	8,894	7,375	8,058	7,191
174 I-80 WB: Reed Ave Off to On-ramp	Basic	5,359	4,991	5,958	5,929	6,072	5,745	5,923	5,943	6,017	5,934	6,035	5,272	5,272	5,243	6,794	5,933	5,901	5,708
175 I-80 WB: Reed Ave On-ramp	Merge	5,304	4,995	5,731	5,877	5,896	5,735	5,747	5,907	5,840	5,894	5,956	5,270	5,272	5,245	6,790	5,900	5,688	5,726
176 I-80 WB: Reed Ave to US 50	Basic	5,523	6,329	5,987	7,295	6,141	7,159	5,928	7,274	6,056	7,266	6,169	6,584	5,613	6,553	7,095	7,396	5,886	7,149
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	5,486	6,333	5,954	7,291	6,132	7,160	5,926	7,277	6,020	7,265	6,111	6,584	5,611	6,558	7,097	7,398	5,917	7,148
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	4,644	3,986	4,942	4,770	5,165	4,672	4,988	4,810	5,033	4,829	5,097	4,131	4,593	4,116			4,774	4,311
I-80 WB: US 50 Off to On-ramp	Basic															5,982	4,710		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	4,677	3,987	4,942	4,770	5,166	4,672	4,986	4,775	5,034	4,830	5,094	4,132	4,593	4,118			4,740	4,309



I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 2  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	9,283	7,451	9,595	7,443	9,286	7,225	9,301	7,679	9,543	7,539	9,627	7,504	3,773	4,769	9,695	7,758	9,552	7,989
102 US 50 WB: SR 51 to 16th St	Weave	12,334	8,981	12,604	8,785	12,492	8,668	12,604	9,306	12,809	9,092	12,676	8,919	4,327	5,778	12,694	9,398	12,509	9,689
103 US 50 WB: 10th St Off-ramp	Diverge	12,981	10,262	13,363	10,216	13,361	10,076	13,401	10,847	13,581	10,522	13,357	9,943	5,264	7,137	13,537	10,812	13,337	11,273
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	11,143	9,242	11,472	9,259	11,532	9,102	11,482	9,776	11,645	9,491	11,343	8,924	4,603	6,415	11,562	9,738	11,420	10,142
105 US 50 WB: 15th St to I-5	Weave	11,151	9,289	11,479	9,222	11,515	9,053	11,487	9,691	11,684	9,528	11,400	8,831	4,596	6,443	11,545	9,714	11,428	10,119
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	7,285	5,868	7,804	6,306	7,650	6,206	7,692	6,388	7,800	6,294	7,484	5,639	2,636	3,820	7,843	6,622	7,769	6,596
107 US 50 WB: 5th St On-ramp	Merge	7,317	5,869	7,840	6,301	7,656	6,210	7,699	6,389	7,838	6,258	7,563	5,637	3,360	4,171	7,850	6,618	7,772	6,594
108 US 50 WB: I-5 On-ramp	Merge	7,766	6,468	8,295	6,980	8,092	6,880	8,104	7,011	8,250	6,922	8,147	6,248	3,715	4,758	8,339	7,311	8,209	7,263
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	9,994	8,363	10,984	9,164	10,779	9,051	10,690	9,102	10,745	9,049	10,201	8,167	4,653	6,741	10,971	9,494	10,938	9,392
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	7,620	6,102	8,480	6,882	8,318	6,845	8,284	6,763	8,294	6,675	7,671	5,961	3,746	4,779	8,452	7,067	8,405	6,969
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	7,575	6,135																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave			8,501	6,883	8,347	6,849	8,302	6,757	8,317	6,673	7,683	5,965	3,733	4,807	8,475	7,056	8,431	6,963
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	8,411	7,904																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	8,412	7,899																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	8,421	7,895																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	5,879	5,227	6,704	5,932	6,529	5,922	6,473	5,827	6,545	5,759	5,947	5,262	3,565	4,696	6,719	6,101	6,705	5,755
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	5,905	5,226	6,711	5,932	6,528	5,922	6,526	5,827	6,551	5,761	5,980	5,260	3,601	4,696	6,728	6,099	6,726	5,788
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,599	5,794	7,536	6,575	7,283	6,573	7,252	6,430	7,385	6,400	6,686	5,970	4,303	5,474	7,516	6,708	7,589	6,711
118 US 50 WB: I-80 EB Off-ramp	Basic	6,950	6,254	7,968	7,079	7,653	7,039	7,654	6,940	7,757	6,885	7,004	6,456	4,654	6,039	7,934	7,258	7,988	7,245
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,128	4,214	6,002	4,815	5,788	4,845	5,879	4,773	5,878	4,708	5,105	4,286	3,418	4,182	6,001	4,870	5,929	4,837
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,116	4,207	6,014	4,817	5,786	4,812	5,890	4,805	5,894	4,707	5,133	4,284	2,592	3,617	6,010	4,868	5,940	4,838
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,074	4,206	6,020	4,817	5,783	4,809	5,897	4,801	5,906	4,738	5,119	4,285	3,411	4,176	6,006	4,867	5,956	4,802
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	8,073	6,974											6,355	6,436				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			9,490	8,159	9,428	8,127	9,156	8,107	9,560	8,107	8,239	7,126			7,243	6,227	9,386	8,373
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	8,068	6,974											6,350	6,422				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	8,095	6,978	9,439	8,161	9,463	8,132	9,146	8,111	9,592	8,114	8,199	7,130	6,346	6,412	9,482	8,211	9,370	8,374
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	8,572	7,219	9,864	8,545	9,801	8,522	9,507	8,498	9,960	8,459	8,622	7,387	6,876	6,663	9,938	8,565	9,810	8,773
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,257	7,659	10,648	8,925	10,580	8,887	10,257	8,952	10,678	8,881	9,390	7,740	7,485	7,024	10,707	8,934	10,540	9,298
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,273	7,607	10,678	8,929	10,636	8,946	10,309	8,958	10,721	8,898	9,373	7,776	7,436	6,969	10,828	8,935	10,612	9,272
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,672	7,063	10,104	8,519	10,074	8,495	9,629	8,409	9,962	8,434	8,646	7,237	6,835	6,380	10,261	8,549	10,076	8,837
129 I-80 WB: County Rd 32A On-ramp	Merge	8,678	7,060	10,107	8,517	10,080	8,495	9,633	8,408	9,968	8,428	8,652	7,232	6,840	6,415	10,310	8,542	10,078	8,801
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,694	7,133	10,120	8,590	10,134	8,533	9,650	8,475	9,989	8,496	8,675	7,274	6,859	6,447	10,327	8,587	10,125	8,875
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,709	7,158	10,173	8,585	10,167	8,586	9,650	8,503	10,051	8,534	8,752	7,309	6,916	6,471	10,433	8,583	10,136	8,817
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,457	5,576	8,547	6,480	8,454	6,495	8,144	6,491	8,454	6,429	7,441	5,690	5,922	4,996	8,737	6,502	8,420	6,601
133 I-80 WB: Mace Blvd On-ramp	Merge	7,466	5,568	8,558	6,525	8,464	6,528	8,157	6,485	8,460	6,456	7,483	5,691	5,960	4,965	8,791	6,505	8,431	6,607
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	8,053	6,080	9,121	6,999	9,029	7,001	8,681	6,965	8,988	6,899	8,029	6,174	6,509	5,468	9,328	6,985	8,969	7,052
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	8,023	6,080	9,121	6,997	9,030	7,001	8,684	6,964	8,989	6,904	8,030	6,174	6,545	5,467	9,365	6,990	8,971	7,049
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,056	6,112	9,169	6,995	9,044	7,050	8,698	7,012	8,989	6,897	8,058	6,225	6,591	5,506	9,398	7,073	8,992	7,060
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	6,960	5,442	7,900	6,129	7,771	6,094	7,545	6,174	7,839	6,171	6,985	5,603	5,711	4,875	7,994	6,135	7,841	6,203
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	6,961	5,471	7,908	6,144	7,818	6,130	7,555	6,176	7,849	6,172	6,995	5,607	5,722	4,882	8,006	6,188	7,810	6,203
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,650	6,345	8,560	7,037	8,445	6,916	8,187	7,020	8,471	7,017	7,668	6,503	6,452	5,738	8,684	6,973	8,525	7,060
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,655	6,382	8,564	7,042	8,443	6,955	8,183	7,021	8,478	7,023	7,674	6,509	6,449	5,740	8,654	6,976	8,528	7,058
145 I-80 WB: SR 113 Off-ramp	Diverge	6,940	5,776	7,724	6,348	7,596	6,246	7,377	6,323	7,681	6,405	6,974	5,885	5,794	5,174	7,805	6,291	7,641	6,337
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	5,794	4,609	6,240	4,943	6,202	4,827	5,988	4,956	6,275	5,045	5,738	4,643	4,810	4,073	6,344	4,884	6,217	4,835
147 I-80 WB: Old Davis Rd On-ramp	Merge	5,798	4,573	6,284	4,946	6,207	4,831	5,987	4,955	6,288	5,045	5,745	4,647	4,817	4,070	6,345	4,887	6,225	4,838
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	5,884	4,936	6,349	5,292	6,301	5,169	6,046	5,224	6,342	5,342	5,842	5,063	4,913	4,609	6,417	5,243	6,319	5,183
149 I-80 WB: SR 113 to Kidwell Rd	Weave	5,889	4,937	6,356	5,293	6,308	5,172	6,084	5,264	6,342	5,340	5,843	5,059	4,916	4,612	6,468	5,252	6,326	5,184
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	7,554	6,436	7,715	6,575	7,589	6,413	7,363	6,516	7,688	6,522	7,353	6,543	6,948	6,432	7,831	6,481	7,676	6,478
151 I-80 WB: Kidwell Rd On-ramp	Merge	7,551	6,406	7,716	6,581	7,629	6,413	7,403	6,519	7,729	6,559	7,357	6,548	6,912	6,431	7,837	6,477	7,683	6,475

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 2  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	9,968	9,604	9,080	10,104	10,556	9,823	8,989	9,856	9,604	9,894	11,256	10,018	10,201	10,166	11,206	10,030	9,441	10,024
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	8,847	8,519	8,476	8,922	9,660	8,613	8,179	8,727	8,807	8,712	10,135	8,826	8,915	8,869	10,282	8,893	8,633	8,893
163 I-80 WB: Truxel Rd NB On-ramp	Basic	8,843	8,487	8,443	8,888	9,647	8,612	8,146	8,727	8,771	8,707	10,147	8,830	8,857	8,876	10,264	8,892	8,598	8,894
164 I-80 WB: Truxel Rd to I-5	Weave	9,257	8,749	8,877	9,167	10,058	8,879	8,527	8,967	9,147	8,982	10,584	9,071	9,250	9,113	10,719	9,165	8,983	9,174
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	5,788	4,843	5,865	5,240	6,469	5,140	5,511	5,101	5,866	5,262	6,698	5,020	5,644	4,970	7,011	5,228	5,902	5,264
166 I-80 WB: I-5 NB On-ramp	Merge	5,682	4,846	5,798	5,243	6,422	5,137	5,447	5,101	5,824	5,265	6,669	5,024	5,511	4,973	7,019	5,229	5,829	5,230
167 I-80 WB: I-5 to W El Camino Ave	Weave	5,697	5,270	5,848	5,621	6,484	5,545	5,501	5,507	5,900	5,697	6,714	5,416	5,729	5,373	7,116	5,628	5,854	5,662
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	6,288	6,259	6,483	6,919	7,166	6,750	6,199	6,719	6,552	6,869	7,149	6,447	6,241	6,406	8,069	6,826	6,567	6,857
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	6,295	6,259	6,488	6,884	7,116	6,747	6,207	6,684	6,551	6,868	7,133	6,448	6,237	6,363	8,106	6,823	6,531	6,853
170 I-80 WB: W El Camino EB On-ramp	Merge	6,773	6,804	7,046	7,428	7,590	7,272	6,716	7,221	7,081	7,466	7,582	7,030	6,597	6,875	8,643	7,356	7,069	7,406
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	7,497	7,085											6,600	6,829				
I-80 WB: W El Camino Ave to Reed Ave	Basic			7,823	7,860	8,390	7,683	7,478	7,582	7,844	7,907	8,238	7,353			9,399	7,774	7,791	7,808
172 I-80 WB: Lane Drop to Reed Ave	Basic	7,465	7,085											7,233	7,122				
173 I-80 WB: Reed Ave Off-ramp	Diverge	7,426	7,082	7,964	7,859	8,450	7,643	7,566	7,618	7,949	7,908	8,186	7,326	7,207	6,993	9,319	7,781	7,972	7,810
174 I-80 WB: Reed Ave Off to On-ramp	Basic	5,429	5,158	6,065	5,976	6,370	5,850	5,724	5,793	5,981	6,058	5,942	5,309	5,068	5,075	6,982	5,859	6,111	5,917
175 I-80 WB: Reed Ave On-ramp	Merge	5,432	5,158	6,175	5,951	6,470	5,836	5,819	5,744	6,101	5,965	5,928	5,313	5,072	5,053	6,915	5,858	6,201	5,892
176 I-80 WB: Reed Ave to US 50	Basic	5,896	6,533	6,736	7,410	6,953	7,228	6,407	7,162	6,655	7,469	6,403	6,618	5,510	6,224	7,322	7,261	6,753	7,285
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	5,900	6,499	6,733	7,412	6,952	7,230	6,377	7,165	6,693	7,471	6,406	6,614	5,508	6,195	7,300	7,261	6,725	7,283
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	4,317	3,885	4,846	4,474	5,050	4,450	4,680	4,382	4,969	4,522	4,521	3,924	3,930	3,558			4,578	4,180
I-80 WB: US 50 Off to On-ramp	Basic															5,092	4,420		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	4,313	3,885	4,845	4,478	5,048	4,452	4,643	4,387	4,966	4,523	4,520	3,926	3,930	3,516			4,577	4,181

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 3  
Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	8,679	7,969	9,070	7,109	8,618	6,575	8,755	7,627	8,825	6,958	8,880	6,863	4,810	4,163	8,995	6,818	9,068	7,654
102 US 50 WB: SR 51 to 16th St	Weave	12,186	9,668	12,854	8,533	12,206	7,807	12,260	9,164	12,417	8,274	12,670	7,705	5,459	5,078	12,699	7,951	12,771	9,330
103 US 50 WB: 10th St Off-ramp	Diverge	12,599	10,573	13,242	9,851	12,704	8,987	12,750	10,276	12,919	9,246	13,048	8,432	6,418	6,347	13,223	9,065	13,252	10,297
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	10,813	9,481	11,408	8,857	10,984	8,111	10,957	9,269	11,126	8,355	11,194	7,565	5,465	5,771	11,361	8,222	11,380	9,264
105 US 50 WB: 15th St to I-5	Weave	10,812	9,434	11,409	8,990	10,985	8,116	10,959	9,335	11,127	8,322	11,232	7,578	5,605	5,737	11,357	8,252	11,416	9,260
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	7,089	5,784	7,685	5,975	7,410	5,406	7,445	6,044	7,493	5,391	7,384	4,623	3,272	3,579	7,851	5,461	7,617	5,960
107 US 50 WB: 5th St On-ramp	Merge	7,090	5,781	7,687	5,973	7,410	5,409	7,443	6,040	7,496	5,390	7,392	4,628	4,043	3,937	7,815	5,467	7,619	5,967
108 US 50 WB: I-5 On-ramp	Merge	7,501	6,453	8,181	6,612	7,885	6,039	7,927	6,642	7,971	6,025	7,894	5,264	4,468	4,598	8,339	6,124	8,108	6,590
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	10,075	8,397	10,938	9,067	10,548	8,458	10,395	8,869	10,627	8,541	10,033	7,412	5,718	6,761	11,012	8,578	10,749	9,184
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	7,540	6,011	8,236	6,672	7,931	6,313	7,848	6,440	7,966	6,255	7,430	5,368	4,292	4,854	8,251	6,351	8,106	6,814
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	7,633	6,007																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave			8,236	6,700	7,936	6,344	7,853	6,433	8,012	6,251	7,419	5,375	4,317	4,839	8,224	6,366	8,141	6,819
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	8,527	7,839																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	8,533	7,839																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	8,544	7,836																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	6,207	5,018	6,810	5,650	6,533	5,450	6,411	5,535	6,597	5,508	5,983	4,810	4,098	4,700	6,763	5,511	6,624	5,680
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	6,217	5,020	6,810	5,650	6,501	5,451	6,412	5,531	6,597	5,505	5,985	4,809	4,107	4,698	6,792	5,512	6,624	5,648
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,798	5,621	7,441	6,267	7,110	6,014	7,051	6,127	7,234	6,086	6,583	5,454	4,744	5,152	7,395	6,065	7,449	6,344
118 US 50 WB: I-80 EB Off-ramp	Basic	7,112	5,999	7,789	6,656	7,448	6,423	7,393	6,532	7,608	6,494	6,905	5,826	5,084	5,549	7,768	6,491	7,778	6,768
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,404	4,320	6,021	4,885	5,807	4,763	5,722	4,805	5,836	4,810	5,202	4,130	3,581	4,091	6,039	4,738	5,821	4,665
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,360	4,321	5,986	4,883	5,813	4,761	5,725	4,805	5,838	4,814	5,209	4,130	2,841	3,385	6,042	4,740	5,818	4,668
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,364	4,320	5,995	4,879	5,830	4,767	5,750	4,803	5,839	4,813	5,214	4,131	3,581	4,037	6,055	4,739	5,818	4,666
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	7,900	6,712											6,257	6,076				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			9,181	7,879	9,463	7,740	8,944	7,812	9,240	7,815	8,430	6,543			7,211	6,026	9,118	7,707
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	7,902	6,712											6,258	6,072				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	7,900	6,711	9,221	7,874	9,448	7,733	8,905	7,809	9,238	7,780	8,440	6,540	6,260	6,068	9,173	7,867	9,118	7,705
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	8,386	6,996	9,660	8,304	9,832	8,114	9,310	8,236	9,608	8,214	8,875	6,884	6,739	6,378	9,612	8,321	9,616	8,190
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,099	7,659	10,352	8,956	10,518	8,877	10,038	8,985	10,349	8,973	9,607	7,635	7,272	6,996	10,299	9,043	10,402	8,952
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,091	7,692	10,294	8,942	10,538	8,875	10,007	8,969	10,297	8,918	9,667	7,630	7,344	7,071	10,266	9,080	10,341	8,979
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,592	6,906	9,890	8,320	10,094	8,231	9,531	8,260	9,612	8,099	9,087	6,885	6,769	6,327	9,866	8,427	9,868	8,404
129 I-80 WB: County Rd 32A On-ramp	Merge	8,593	6,913	9,889	8,316	10,089	8,229	9,531	8,260	9,652	8,101	9,083	6,887	6,774	6,329	9,859	8,431	9,879	8,413
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,603	6,970	9,912	8,372	10,127	8,254	9,537	8,286	9,656	8,123	9,087	6,945	6,816	6,355	9,869	8,490	9,896	8,464
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,590	6,943	9,909	8,401	10,119	8,250	9,510	8,291	9,642	8,102	9,044	6,952	6,783	6,403	9,858	8,504	9,825	8,468
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,363	5,111	8,060	6,026	8,331	5,908	7,909	6,035	8,045	5,836	7,711	5,061	5,709	4,669	8,142	6,063	8,111	6,002
133 I-80 WB: Mace Blvd On-ramp	Merge	7,356	5,145	8,051	6,024	8,290	5,947	7,905	6,045	8,086	5,875	7,672	5,064	5,712	4,708	8,090	6,066	8,101	6,004
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	8,146	5,645	8,714	6,558	8,921	6,438	8,536	6,571	8,737	6,413	8,324	5,621	6,377	5,266	8,749	6,602	8,760	6,535
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	8,179	5,645	8,715	6,561	8,920	6,439	8,533	6,568	8,736	6,413	8,324	5,623	6,374	5,266	8,781	6,599	8,757	6,538
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,099	5,645	8,681	6,560	8,847	6,446	8,468	6,536	8,740	6,463	8,280	5,622	6,373	5,262	8,686	6,566	8,770	6,541
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	6,396	5,020	6,724	5,710	6,880	5,612	6,598	5,734	6,810	5,669	6,465	4,978	5,104	4,634	6,674	5,709	6,733	5,682
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	6,370	5,023	6,731	5,707	6,881	5,609	6,631	5,737	6,804	5,676	6,504	4,982	5,068	4,596	6,675	5,704	6,774	5,682
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,124	6,074	7,530	6,632	7,580	6,527	7,367	6,720	7,551	6,632	7,305	5,998	5,853	5,606	7,421	6,537	7,486	6,580
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,162	6,075	7,528	6,627	7,586	6,532	7,339	6,722	7,550	6,631	7,271	5,999	5,850	5,608	7,421	6,537	7,484	6,581
145 I-80 WB: SR 113 Off-ramp	Diverge	6,290	5,461	6,564	5,952	6,671	5,908	6,435	6,098	6,641	5,980	6,436	5,417	5,097	5,000	6,550	5,912	6,565	5,913
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	4,724	4,073	4,825	4,246	4,892	4,221	4,779	4,444	4,966	4,396	4,837	4,000	3,775	3,658	4,832	4,264	4,898	4,236
147 I-80 WB: Old Davis Rd On-ramp	Merge	4,769	4,078	4,829	4,254	4,894	4,228	4,787	4,447	5,001	4,365	4,842	4,003	3,781	3,664	4,833	4,265	4,907	4,239
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	4,857	4,434	4,953	4,586	5,012	4,544	4,915	4,729	5,128	4,715	4,973	4,375	3,918	4,077	4,961	4,601	5,031	4,531
149 I-80 WB: SR 113 to Kidwell Rd	Weave	4,862	4,439	4,959	4,593	5,014	4,546	4,920	4,763	5,136	4,717	4,981	4,386	3,925	4,077	4,962	4,597	5,035	4,533
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	6,175	6,040	6,208	5,937	6,251	5,841	6,207	6,044	6,347	6,060	6,503	5,980	5,659	6,021	6,255	5,891	6,325	5,831
151 I-80 WB: Kidwell Rd On-ramp	Merge	6,218	6,083	6,216	5,938	6,225	5,847	6,215	6,051	6,351	6,069	6,508	6,024	5,676	6,024	6,268	5,898	6,338	5,836
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	6,238	6,086	6,274	5,944	6,236	5,855	6,232	6,060	6,365	6,071	6,524	6,036	5,695	6,072	6,283	5,906	6,352	5,872
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	6,240	6,089	6,277	5,944	6,241	5,857	6,230	6,060	6,366	6,072	6,521	6,000	5,699	6,072	6,283	5,909	6,357	5,842
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	6,247	6,092	6,284	5,947	6,251	5,889	6,234	6,059	6,404	6,077	6,525	6,039	5,742	6,069	6,286	5,904	6,403	5,878

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Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	7,892	9,497	7,859	10,251	9,012	9,968	7,734	10,008	8,012	10,059	10,067	9,957	8,631	10,157	10,516	10,222	8,003	10,162
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	7,119	8,138	7,300	8,754	8,144	8,484	7,126	8,499	7,328	8,515	9,026	8,519	7,730	8,582	9,380	8,696	7,494	8,647
163 I-80 WB: Truxel Rd NB On-ramp	Basic	7,120	8,133	7,278	8,756	8,133	8,483	7,116	8,503	7,310	8,513	9,014	8,511	7,714	8,577	9,316	8,734	7,480	8,646
164 I-80 WB: Truxel Rd to I-5	Weave	7,437	8,367	7,586	8,990	8,460	8,713	7,403	8,768	7,618	8,789	9,290	8,753	8,087	8,824	9,606	8,973	7,774	8,886
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	5,067	4,598	5,368	5,110	5,909	5,033	5,283	4,962	5,490	4,974	6,398	4,839	5,379	4,767	6,512	5,099	5,558	5,030
166 I-80 WB: I-5 NB On-ramp	Merge	5,023	4,599	5,357	5,110	5,899	5,032	5,290	4,959	5,466	4,972	6,378	4,803	5,257	4,699	6,430	5,131	5,562	5,063
167 I-80 WB: I-5 to W El Camino Ave	Weave	5,160	4,934	5,448	5,448	6,024	5,341	5,464	5,340	5,575	5,349	6,455	5,180	5,532	4,887	6,494	5,488	5,732	5,368
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	5,746	5,839	6,342	6,557	6,814	6,405	6,443	6,493	6,583	6,434	6,870	6,074	5,777	5,367	6,897	6,597	6,611	6,530
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	5,747	5,838	6,347	6,555	6,852	6,404	6,447	6,495	6,603	6,435	6,903	6,074	5,785	5,313	6,832	6,601	6,611	6,528
170 I-80 WB: W El Camino EB On-ramp	Merge	6,144	6,351	6,858	7,094	7,334	6,939	6,948	7,028	7,138	6,970	7,390	6,634	6,300	5,836	7,217	7,170	7,129	7,068
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	6,780	6,649											6,488	5,828				
I-80 WB: W El Camino Ave to Reed Ave	Basic			7,674	7,498	8,142	7,256	7,751	7,412	7,862	7,376	8,170	6,945			7,894	7,491	7,923	7,428
172 I-80 WB: Lane Drop to Reed Ave	Basic	6,777	6,615											6,973	6,065				
173 I-80 WB: Reed Ave Off-ramp	Diverge	6,843	6,655	7,669	7,468	8,201	7,268	7,755	7,414	7,926	7,415	8,210	6,909	7,025	6,068	7,839	7,488	7,923	7,433
174 I-80 WB: Reed Ave Off to On-ramp	Basic	5,011	4,733	5,777	5,470	6,269	5,298	5,830	5,485	6,020	5,521	5,993	4,927	5,021	4,344	6,038	5,594	6,061	5,438
175 I-80 WB: Reed Ave On-ramp	Merge	5,045	4,734	5,851	5,442	6,305	5,278	5,876	5,431	6,040	5,463	5,996	4,926	5,023	4,344	6,039	5,592	6,077	5,406
176 I-80 WB: Reed Ave to US 50	Basic	5,479	5,916	6,470	6,772	6,856	6,529	6,407	6,658	6,587	6,714	6,494	6,179	5,509	5,407	6,543	6,875	6,652	6,791
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	5,481	5,919	6,484	6,774	6,908	6,528	6,418	6,656	6,559	6,715	6,495	6,182	5,510	5,366	6,553	6,876	6,657	6,792
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	3,758	3,410	4,482	3,977	4,878	3,924	4,402	4,021	4,648	4,016	4,459	3,495	3,726	3,014			4,294	3,625
I-80 WB: US 50 Off to On-ramp	Basic															4,623	4,097		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	3,757	3,412	4,487	3,978	4,919	3,926	4,404	4,020	4,656	3,978	4,462	3,493	3,726	3,004			4,297	3,625

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Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	8,031	8,414	8,475	8,307	8,220	7,466	8,239	8,622	8,398	7,462	8,480	7,544	6,076	4,791	8,461	7,865	8,422	7,626
102 US 50 WB: SR 51 to 16th St	Weave	11,460	10,375	11,682	10,422	11,315	9,089	11,453	10,820	11,516	9,025	11,876	8,689	7,091	5,799	11,859	9,666	11,738	9,258
103 US 50 WB: 10th St Off-ramp	Diverge	12,068	11,475	12,307	11,577	11,977	10,281	12,108	12,102	12,079	10,310	12,403	9,430	8,280	7,028	12,444	11,190	12,300	10,476
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	10,880	10,319	11,080	10,446	10,783	9,310	10,885	10,911	10,901	9,285	11,205	8,488	7,316	6,354	11,245	10,197	11,117	9,481
105 US 50 WB: 15th St to I-5	Weave	10,886	10,514	11,081	10,510	10,749	9,498	10,888	11,013	10,906	9,363	11,209	8,572	7,203	6,410	11,249	10,384	11,115	9,692
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	7,090	6,550	7,290	6,538	7,134	6,008	7,325	6,940	7,339	5,967	7,350	5,439	4,038	4,043	7,590	6,721	7,499	6,348
107 US 50 WB: 5th St On-ramp	Merge	7,092	6,550	7,290	6,537	7,165	6,003	7,327	6,944	7,338	5,965	7,268	5,436	4,872	4,461	7,587	6,683	7,498	6,343
108 US 50 WB: I-5 On-ramp	Merge	7,384	6,919	7,667	6,851	7,497	6,327	7,706	7,287	7,666	6,341	7,489	5,807	5,088	4,875	7,933	7,049	7,842	6,687
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	9,305	7,993	10,597	8,061	10,212	7,468	10,411	8,365	10,371	7,463	8,945	6,903	6,206	6,075	10,763	8,188	10,634	7,928
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	7,216	5,506	8,357	5,759	8,033	5,398	8,214	6,071	8,243	5,343	6,931	4,783	4,618	4,373	8,601	5,871	8,474	5,605
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	7,085	5,511																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave			8,388	5,732	8,061	5,360	8,210	6,043	8,231	5,350	6,859	4,774	4,583	4,417	8,554	5,856	8,448	5,604
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	7,911	6,661																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	7,897	6,667																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	7,884	6,669																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	6,031	4,477	7,152	4,691	6,940	4,425	6,875	4,881	7,097	4,369	5,944	4,048	4,242	3,831	7,230	4,751	7,109	4,462
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	6,057	4,477	7,099	4,691	6,937	4,425	6,792	4,882	7,081	4,371	5,939	4,050	4,241	3,866	7,152	4,753	7,054	4,466
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,376	4,926	7,435	5,139	7,293	4,854	7,115	5,376	7,434	4,912	6,259	4,557	4,629	4,218	7,501	5,227	7,484	5,045
118 US 50 WB: I-80 EB Off-ramp	Basic	6,678	5,319	7,627	5,584	7,546	5,281	7,319	5,841	7,649	5,300	6,535	4,977	4,865	4,681	7,736	5,659	7,690	5,471
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,526	3,812	6,472	4,034	6,403	3,814	6,249	4,233	6,537	3,829	5,444	3,541	3,844	3,424	6,578	4,011	6,411	3,678
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,520	3,815	6,457	4,036	6,387	3,815	6,229	4,237	6,518	3,831	5,440	3,541	3,016	2,803	6,564	4,045	6,362	3,676
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,517	3,817	6,438	4,044	6,350	3,779	6,200	4,239	6,491	3,830	5,440	3,539	3,846	3,486	6,553	4,006	6,340	3,679
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	8,273	5,468											6,701	6,032				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			9,713	6,518	9,570	6,157	9,306	6,519	9,678	6,200	8,682	5,336			8,278	4,961	9,842	6,030
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	8,277	5,469											6,702	6,051				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	8,284	5,469	9,712	6,529	9,580	6,166	9,311	6,491	9,677	6,205	8,678	5,339	6,701	6,064	10,199	6,361	9,817	6,037
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	8,625	5,588	10,140	6,718	9,964	6,373	9,725	6,717	10,094	6,437	9,073	5,504	7,030	6,193	10,620	6,723	10,273	6,310
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,134	5,972	10,669	7,092	10,549	6,726	10,275	7,086	10,679	6,765	9,656	5,865	7,492	6,623	11,217	7,056	10,857	6,842
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,062	6,016	10,699	7,229	10,478	6,795	10,261	7,226	10,708	6,914	9,598	5,941	7,462	6,629	11,206	7,120	10,861	6,910
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,614	5,445	10,404	6,716	10,146	6,335	9,823	6,632	10,030	6,366	9,155	5,383	7,040	5,879	10,833	6,676	10,485	6,470
129 I-80 WB: County Rd 32A On-ramp	Merge	8,572	5,449	10,404	6,728	10,141	6,338	9,782	6,610	10,024	6,368	9,125	5,392	7,044	5,920	10,789	6,682	10,475	6,477
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,633	5,476	10,422	6,753	10,162	6,361	9,800	6,634	10,043	6,392	9,184	5,415	7,064	5,943	10,842	6,705	10,526	6,505
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,675	5,558	10,424	6,790	10,125	6,402	9,807	6,674	10,042	6,480	9,185	5,505	7,051	5,963	10,795	6,754	10,508	6,564
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,488	3,899	8,810	4,524	8,611	4,321	8,402	4,547	8,600	4,431	7,902	3,843	6,055	4,256	9,169	4,477	8,876	4,418
133 I-80 WB: Mace Blvd On-ramp	Merge	7,497	3,914	8,808	4,533	8,652	4,333	8,402	4,588	8,633	4,449	7,905	3,854	6,047	4,231	9,198	4,488	8,916	4,429
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	7,962	4,347	9,415	4,976	9,272	4,731	9,017	5,018	9,209	4,885	8,561	4,271	6,702	4,679	9,799	4,922	9,514	4,877
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	7,961	4,350	9,381	4,976	9,237	4,730	8,983	5,020	9,207	4,889	8,558	4,272	6,702	4,680	9,801	4,927	9,514	4,877
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	7,956	4,389	9,428	5,052	9,289	4,765	9,040	5,097	9,184	4,885	8,597	4,317	6,674	4,696	9,850	4,954	9,520	4,947
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	6,242	3,741	7,464	4,176	7,412	3,946	7,250	4,323	7,405	4,166	6,832	3,732	5,332	3,940	7,834	4,097	7,576	4,069
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	6,235	3,748	7,460	4,224	7,398	3,967	7,249	4,312	7,433	4,173	6,831	3,739	5,330	3,984	7,821	4,109	7,530	4,083
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	6,999	4,677	8,188	5,099	8,131	4,803	7,967	5,156	8,123	5,008	7,561	4,641	6,121	4,846	8,536	4,938	8,275	4,959
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	6,993	4,689	8,183	5,110	8,130	4,811	7,956	5,169	8,117	5,017	7,593	4,649	6,123	4,855	8,559	4,944	8,273	4,971
145 I-80 WB: SR 113 Off-ramp	Diverge	6,294	4,179	7,401	4,537	7,303	4,290	7,181	4,607	7,311	4,422	6,779	4,102	5,461	4,288	7,718	4,381	7,455	4,392
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	4,995	2,972	5,823	3,078	5,748	2,938	5,654	3,178	5,830	3,140	5,323	2,935	4,201	3,112	6,047	3,061	5,811	2,976
147 I-80 WB: Old Davis Rd On-ramp	Merge	4,992	2,980	5,812	3,081	5,752	2,943	5,611	3,186	5,786	3,151	5,317	2,944	4,196	3,114	6,045	3,033	5,795	2,988
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	5,128	3,199	5,909	3,277	5,843	3,135	5,694	3,341	5,917	3,348	5,416	3,153	4,341	3,381	6,172	3,261	5,891	3,172
149 I-80 WB: SR 113 to Kidwell Rd	Weave	5,120	3,202	5,897	3,284	5,831	3,141	5,685	3,353	5,911	3,358	5,407	3,157	4,333	3,389	6,161	3,270	5,882	3,215
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	6,106	4,415	6,775	4,413	6,651	4,253	6,474	4,413	6,720	4,532	6,402	4,454	5,631	4,886	7,008	4,386	6,733	4,352
151 I-80 WB: Kidwell Rd On-ramp	Merge	6,102	4,426	6,772	4,428	6,606	4,266	6,433	4,422	6,713	4,550	6,391	4,468	5,622	4,894	6,996	4,398	6,721	4,371
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	6,113	4,452	6,776	4,452	6,644	4,292	6,439	4,446	6,712	4,576	6,434	4,488	5,667	4,946	7,004	4,421	6,729	4,397
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	6,113	4,452	6,773	4,453	6,635	4,295	6,438	4,447	6,712	4,579	6,434	4,526	5,668	4,947	7,002	4,421	6,727	4,399
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	6,105	4,493	6,778	4,460	6,629	4,302	6,437	4,456	6,714	4,621	6,434	4,497	5,661	4,952	6,998	4,432	6,722	4,406

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Opening Year 2029

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	9,726	7,694	9,940	8,292	10,791	8,047	10,060	8,137	10,561	8,142	10,168	8,016	11,353	8,182	9,017	8,223	9,946	8,241
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	8,978	6,615	9,304	7,338	10,027	7,093	9,420	7,199	9,845	7,186	9,536	7,063	10,213	7,067	8,683	7,296	9,282	7,270
163 I-80 WB: Truxel Rd NB On-ramp	Basic	8,977	6,625	9,341	7,342	10,081	7,103	9,461	7,203	9,887	7,192	9,584	7,107	10,205	7,075	8,725	7,302	9,350	7,278
164 I-80 WB: Truxel Rd to I-5	Weave	9,256	7,019	9,771	7,700	10,479	7,489	9,868	7,590	10,311	7,573	10,046	7,504	10,611	7,474	9,133	7,689	9,742	7,634
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	5,679	3,748	6,079	4,254	6,419	4,150	6,055	4,125	6,290	4,159	5,983	4,023	6,053	3,895	5,903	4,143	6,121	4,113
166 I-80 WB: I-5 NB On-ramp	Merge	5,691	3,754	6,133	4,294	6,481	4,153	6,109	4,135	6,358	4,162	6,046	4,027	5,920	4,003	5,990	4,152	6,159	4,122
167 I-80 WB: I-5 to W El Camino Ave	Weave	5,855	3,956	6,331	4,470	6,728	4,362	6,345	4,376	6,608	4,348	6,339	4,242	6,246	4,340	6,239	4,371	6,367	4,367
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	6,056	4,475	7,124	5,164	7,352	4,985	6,903	5,042	7,179	5,004	6,891	4,837	6,284	5,221	7,125	5,008	7,140	4,990
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	6,052	4,478	7,118	5,169	7,345	4,991	6,902	5,044	7,160	5,012	6,912	4,843	6,282	5,304	7,193	5,013	7,143	5,025
170 I-80 WB: W El Camino EB On-ramp	Merge	6,315	4,850	7,387	5,553	7,597	5,377	7,182	5,466	7,465	5,430	7,181	5,205	6,576	5,768	7,576	5,400	7,461	5,371
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	6,648	5,131											6,341	5,689				
I-80 WB: W El Camino Ave to Reed Ave	Basic			7,793	5,834	7,951	5,655	7,509	5,774	7,836	5,730	7,593	5,487			8,132	5,670	7,818	5,675
172 I-80 WB: Lane Drop to Reed Ave	Basic	6,641	5,133											6,871	6,127				
173 I-80 WB: Reed Ave Off-ramp	Diverge	6,585	5,160	7,770	5,904	7,826	5,679	7,422	5,803	7,767	5,764	7,614	5,551	6,846	6,211	8,281	5,705	7,759	5,712
174 I-80 WB: Reed Ave Off to On-ramp	Basic	4,805	3,626	5,849	4,364	5,848	4,203	5,497	4,270	5,784	4,232	5,516	3,817	4,900	4,310	6,244	4,215	5,867	4,143
175 I-80 WB: Reed Ave On-ramp	Merge	4,758	3,632	5,742	4,351	5,705	4,202	5,501	4,204	5,729	4,196	5,510	3,822	4,898	4,366	6,271	4,223	5,827	4,098
176 I-80 WB: Reed Ave to US 50	Basic	5,251	4,329	6,190	5,133	6,128	4,964	5,952	4,869	6,154	4,912	6,020	4,550	5,453	5,502	6,842	4,964	6,365	4,899
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	5,246	4,297	6,183	5,136	6,078	4,967	5,902	4,870	6,147	4,915	6,052	4,552	5,439	5,540	6,842	4,965	6,351	4,902
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	3,883	2,766	4,450	3,357	4,492	3,256	4,216	3,225	4,481	3,318	4,448	2,902	3,857	3,427			4,360	3,023
I-80 WB: US 50 Off to On-ramp	Basic															5,046	3,237		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	3,879	2,767	4,445	3,361	4,485	3,222	4,210	3,227	4,442	3,320	4,448	2,901	3,803	3,516			4,359	3,024



I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			94	676	102	712	87	532	76	459	41	38	90	390	93	607	99	591		
18 I-80 EB: Richards Blvd On-ramp	Merge			312	1,141	372	1,202	298	1,008	267	901	42	38	348	625	313	1,091	329	1,083		
19 I-80 EB: Richards Blvd to Mace Blvd	Basic			372	1,194	434	1,266	354	1,118	318	985	42	38	425	645	374	1,162	387	1,173		
20 I-80 EB: Mace Blvd Off-ramp	Diverge			463	1,187	527	1,262	444	1,156	404	1,023	41	39	515	665	470	1,194	473	1,204		
21 I-80 EB: Mace Blvd Off to On-ramp	Basic			476	1,185	543	1,256	457	1,154	418	1,014	41	39	517	659	482	1,185	485	1,193		
22 I-80 EB: Mace Blvd SB On-ramp	Merge			514	1,264	582	1,332	488	1,215	447	1,078	42	39	564	702	511	1,264	516	1,267		
23 I-80 EB: Mace Blvd NB On-ramp	Merge			527	1,276	592	1,345	499	1,225	459	1,087	42	39	599	720	524	1,276	530	1,279		
24 I-80 EB: Mace Blvd to County Rd 32B	Basic			537	1,275	600	1,340	506	1,222	467	1,088	42	39	616	778	535	1,275	536	1,280		
25 I-80 EB: County Rd 32B Off-ramp	Diverge			563	1,145	642	1,170	533	1,109	488	996	49	53	623	862	565	1,156	569	1,144		
26 I-80 EB: County Rd 32B Off to On-ramp	Basic			609	1,282	697	1,285	574	1,223	528	1,111	50	54	650	921	610	1,277	612	1,273		
27 I-80 EB: County Rd 32B On-ramp	Merge			607	1,241	698	1,254	572	1,228	528	1,084	48	54	649	931	609	1,247	612	1,243		
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic			609	1,287	692	1,291	575	1,282	537	1,131	48	54	673	976	607	1,280	613	1,297		
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge			552	1,080	627	1,071	540	1,044	498	937	46	50	633	1,006	571	1,089	571	1,115		
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic			552	1,096	626	1,078	539	1,056	499	945	46	51			663	1,238	566	1,136		
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													632	974						
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													461	864						
31 I-80 EB: Enterprise Blvd to US 50	Weave			380	757	433	709	366	699	343	611	37	38	436	818	647	1,195	397	801		
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic													448	688						
US 50 EB: I-80 Off to On-ramp	Basic			404	873	467	804	386	763	361	666	38	39			407	771	418	917		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic													345	726						
34 US 50 EB: I-80 to Harbor Blvd	Weave			334	950	387	887	315	800	293	677	34	40	356	745	346	894	342	972		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic			369	1,124	426	1,096	341	1,040	321	849	39	40	375	766	384	1,089	371	1,102		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave			373	1,146	428	1,131	344	1,086	320	894	30	40	370	769	383	1,122	369	1,113		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic			494	1,494	566	1,553	467	1,465	428	1,306	38	50	578	1,164	504	1,507	490	1,464		
38 US 50 EB: Jefferson Blvd On-ramp	Merge			311	1,135	357	1,186	299	1,129	276	1,005	24	43	387	923	317	1,131	312	1,104		
39 US 50 EB: S River Rd On-ramp	Merge			308	1,037	354	1,091	298	1,037	274	911	23	39	391	853	313	1,033	311	1,011		
40 US 50 EB: I-5 Off-ramp	Basic			320	804	365	835	309	781	285	670	24	28	405	817	325	783	326	807		
41 US 50 EB: 5th St Off-ramp	Diverge			340	815	386	842	329	779	299	677	25	29	416	743	347	800	347	843		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic			315	674	361	674	296	625	268	555	22	25	348	561	321	732	318	664		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave			135	444	413	751	381	767	265	810	244	760	116	515	398	552	413	741	416	708
45 US 50 EB: 15th St to 11th St	Basic			258	751	470	990	420	933	332	846	297	788	252	964	435	493	459	934	464	1,009
46 US 50 EB: 11th St On-ramp	Merge			305	768	484	1,030	441	976	362	915	333	852	288	997	452	498	469	965	476	1,041
47 US 50 EB: 16th St to SR 51/SR 99	Weave			408	838	564	1,093	522	1,039	456	993	433	925	403	1,065	520	613	546	1,024	543	1,109

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	293	607		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					22	82	25	83	19	84	19	75	2	2	30	26	275	553	14	76
63 I-80 EB: US 50 to Reed Ave	Basic					63	200	73	201	58	198	55	176	4	7	120	217	247	518	57	231
64 I-80 EB: Reed Ave Off-ramp	Diverge					78	237	90	234	72	235	68	206	7	10	137	254	241	504	72	284
65 I-80 EB: Reed Ave Off to On-ramp	Basic					110	314	131	326	103	326	95	282	16	29	171	331	245	518	99	394
66 I-80 EB: Reed Ave On-ramp	Merge					159	552	187	614	159	594	144	552	17	30	210	429	263	695	147	728
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																279	803			
I-80 EB: Reed Ave to W El Camino Ave	Basic					190	795	228	850	195	796	177	742	17	30			279	873	187	906
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																293	691			
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	8	101	15	81	215	805	192	827	113	764	104	741	31	114	292	690	271	856	215	881
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	16	184	24	145	221	835	196	782	114	598	108	572	51	227	279	505	273	881	220	909
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	19	200	31	164	171	852	150	790	94	626	86	609	49	224	205	472	208	889	164	918
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	23	218	41	183	170	838	149	774	96	618	90	600	55	244	206	460	207	860	161	890
73 I-80 EB: W El Camino Ave to I-5	Basic	28	239	56	237	174	774	155	713	107	580	98	558	69	332	209	463	207	789	168	810
74 I-80 EB: I-5 Off-ramp	Basic	29	243	57	244	175	776	156	715	108	587	99	564	70	350	209	465	207	791	170	811
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	33	377	69	369	183	797	165	743	118	644	111	613	87	522	212	493	212	799	174	820
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	77	603	95	450	187	946	170	902	135	852	130	814	117	736	200	459	210	959	171	975
77 I-80 EB: I-5 SB On-ramp	Merge	86	592	120	545	202	817	185	786	158	759	156	714	150	717	208	483	226	831	184	844
78 I-80 EB: I-5 to Truxel Rd	Weave	104	724	144	643	220	854	205	832	184	798	180	757	173	782	229	591	248	871	208	884
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	126	899	172	865	238	1,146	229	1,112	213	1,084	207	1,061	204	1,104	248	917	263	1,153	230	1,168
80 I-80 EB: Truxel Rd SB On-ramp	Basic	145	1,062	194	1,041	257	1,188	247	1,155	236	1,132	224	1,118	230	1,144	262	1,099	277	1,195	249	1,219
81 I-80 EB: Truxel Rd NB On-ramp	Merge	157	1,073	209	1,067	269	1,204	261	1,184	247	1,165	238	1,158	244	1,139	272	1,115	286	1,191	260	1,234
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	145	1,016	192	1,026	244	1,162	239	1,181	227	1,154	219	1,134	226	1,129	248	1,061	256	1,160	238	1,203
83 I-80 EB: Northgate Blvd Off-ramp	Basic	150	1,043	200	1,077	248	1,212	243	1,274	233	1,210	223	1,183	232	1,230	253	1,080	262	1,249	243	1,262



I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			140	660	162	644	135	602	132	549	43	35	145	75	144	656	148	631		
18 I-80 EB: Richards Blvd On-ramp	Merge	436	1,060	508	1,086	421	1,004	407	927	45	35	476	149	440	1,077	440	1,021				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	519	1,074	594	1,105	492	1,016	484	933	44	35	578	225	519	1,093	516	1,035				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	604	1,065	674	1,097	572	1,010	557	928	43	36	733	223	601	1,080	597	1,029				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	621	1,069	690	1,099	589	1,018	574	938	44	36	740	251	622	1,087	610	1,033				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	669	1,157	750	1,180	634	1,091	616	997	45	36	783	277	666	1,169	657	1,112				
23 I-80 EB: Mace Blvd NB On-ramp	Merge	698	1,165	776	1,190	658	1,097	640	1,002	45	36	808	296	692	1,178	687	1,123				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	720	1,169	803	1,190	681	1,095	657	1,006	46	36	814	367	714	1,177	713	1,124				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	750	1,109	846	1,071	700	1,001	691	944	54	44	762	529	744	1,102	749	1,172				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	818	1,245	930	1,188	768	1,121	753	1,082	54	44	804	578	814	1,250	814	1,309				
27 I-80 EB: County Rd 32B On-ramp	Merge	815	1,244	926	1,184	765	1,102	747	1,071	54	43	819	577	811	1,237	809	1,327				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	843	1,322	954	1,248	787	1,158	799	1,131	53	44	890	590	836	1,292	834	1,381				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	738	1,380	824	1,213	696	1,090	699	1,050	51	41	786	582	752	1,375	732	1,414				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	739	1,397	822	1,241	700	1,132	702	1,079	51	41			860	1,455	734	1,428				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic												791	561							
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic												570	558							
31 I-80 EB: Enterprise Blvd to US 50	Weave	503	1,025	564	882	480	796	480	749	39	31	523	549	829	1,482	505	1,118				
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic												529	443							
US 50 EB: I-80 Off to On-ramp	Basic	531	1,018	609	890	505	778	507	752	40	32			527	1,000	539	1,030				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic												382	485							
34 US 50 EB: I-80 to Harbor Blvd	Weave	401	949	467	857	375	754	362	658	36	31	397	508	414	936	419	953				
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	442	1,025	523	950	414	836	394	765	41	32	425	533	453	1,010	452	993				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	445	1,028	525	963	415	841	396	779	33	31	428	531	455	1,011	451	992				
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	638	1,366	739	1,350	593	1,192	584	1,145	43	43	781	954	633	1,365	639	1,319				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	428	1,045	469	1,063	396	925	396	904	27	38	540	781	431	1,049	427	1,029				
39 US 50 EB: S River Rd On-ramp	Merge	429	956	465	966	392	854	392	824	26	33	540	728	433	954	426	936				
40 US 50 EB: I-5 Off-ramp	Basic	480	747	512	759	423	644	412	608	27	27	572	720	487	731	482	793				
41 US 50 EB: 5th St Off-ramp	Diverge	554	756	605	762	489	646	479	617	28	27	604	673	568	753	566	795				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic	541	629	572	615	476	485	460	472	25	21	502	448	547	647	533	573				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	341	426	640	658	660	685	594	683	546	671	376	438	560	446	645	666	634	602		
45 US 50 EB: 15th St to 11th St	Basic	522	618	698	861	700	784	644	763	691	755	594	854	697	407	700	838	704	891		
46 US 50 EB: 11th St On-ramp	Merge	541	640	685	903	700	825	660	811	709	823	607	896	699	424	692	873	691	924		
47 US 50 EB: 16th St to SR 51/SR 99	Weave	608	713	737	960	791	876	737	883	809	886	704	949	774	531	750	921	754	976		

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	376	646		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					36	299	41	324	34	305	36	294	3	3	35	18	353	668	25	292
63 I-80 EB: US 50 to Reed Ave	Basic			106	403	124	417	97	375	101	364	7	9	208	251	312	670	103	412		
64 I-80 EB: Reed Ave Off-ramp	Diverge			129	436	146	447	118	408	122	391	10	15	227	285	306	669	125	444		
65 I-80 EB: Reed Ave Off to On-ramp	Basic			171	520	206	524	162	482	166	469	21	31	277	367	317	690	167	527		
66 I-80 EB: Reed Ave On-ramp	Merge			239	805	293	796	241	711	243	682	22	32	329	527	341	857	234	798		
67 I-80 EB: Reed Ave to HOV Lane Add	Basic													434	823						
I-80 EB: Reed Ave to W El Camino Ave	Basic			302	943	362	913	303	823	304	783	22	33			379	970	305	919		
I-80 EB: HOV Lane Add to W El Camino Ave	Basic													416	635						
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	20	123	30	99	310	802	279	796	175	859	173	860	47	175	416	633	345	840	317	795
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	37	226	51	177	315	795	275	711	180	580	177	590	83	348	390	417	345	837	321	786
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	43	237	59	185	236	797	212	716	145	590	140	599	81	399	280	387	261	839	240	792
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	55	249	76	202	236	756	211	683	150	559	146	570	94	419	285	379	259	791	237	755
73 I-80 EB: W El Camino Ave to I-5	Basic	73	297	114	272	253	653	229	586	174	484	171	491	130	460	297	391	268	676	248	656
74 I-80 EB: I-5 Off-ramp	Basic	75	313	116	289	253	654	231	589	177	487	174	495	135	475	298	393	268	676	250	656
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	88	534	145	428	270	641	248	588	199	509	203	525	168	568	308	422	287	680	263	647
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	209	817	174	579	272	801	252	750	217	699	223	716	213	775	286	344	284	834	258	797
77 I-80 EB: I-5 SB On-ramp	Merge	215	700	226	566	309	672	291	635	263	607	268	611	266	660	308	362	317	704	289	665
78 I-80 EB: I-5 to Truxel Rd	Weave	289	787	307	634	385	730	366	688	334	659	356	664	351	710	389	463	394	755	368	724
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	339	938	364	876	445	1,150	429	1,147	399	1,115	431	1,098	413	1,110	445	817	457	1,143	434	1,167
80 I-80 EB: Truxel Rd SB On-ramp	Basic	377	1,115	398	1,106	479	1,251	464	1,256	434	1,224	467	1,194	450	1,209	473	999	493	1,230	468	1,289
81 I-80 EB: Truxel Rd NB On-ramp	Merge	394	1,175	416	1,216	490	1,346	480	1,309	449	1,266	480	1,266	468	1,289	486	1,033	505	1,324	483	1,357
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	361	1,205	376	1,265	439	1,346	432	1,303	400	1,254	424	1,258	420	1,288	434	1,043	450	1,339	429	1,339
83 I-80 EB: Northgate Blvd Off-ramp	Basic	367	1,303	384	1,290	440	1,342	436	1,298	407	1,253	428	1,253	425	1,311	439	1,102	453	1,358	435	1,346

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 3  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			144	665	148	619	95	561	105	515	47	38	156	205	128	641	133	523		
18 I-80 EB: Richards Blvd On-ramp	Merge			422	1,075	462	1,033	308	944	350	879	48	38	552	365	418	1,070	415	858		
19 I-80 EB: Richards Blvd to Mace Blvd	Basic			499	1,090	545	1,052	361	957	417	890	48	38	733	418	493	1,090	494	868		
20 I-80 EB: Mace Blvd Off-ramp	Diverge			573	1,077	618	1,043	426	944	500	882	45	38	846	427	575	1,079	567	867		
21 I-80 EB: Mace Blvd Off to On-ramp	Basic			589	1,076	641	1,043	442	951	515	888	46	38	831	447	594	1,077	583	886		
22 I-80 EB: Mace Blvd SB On-ramp	Merge			631	1,168	689	1,137	473	1,027	558	950	46	38	860	489	641	1,168	633	969		
23 I-80 EB: Mace Blvd NB On-ramp	Merge			653	1,181	712	1,147	493	1,035	577	955	46	38	867	521	666	1,182	654	980		
24 I-80 EB: Mace Blvd to County Rd 32B	Basic			675	1,188	738	1,153	509	1,039	599	960	46	38	857	594	687	1,187	679	995		
25 I-80 EB: County Rd 32B Off-ramp	Diverge			721	1,234	799	1,217	565	1,128	644	1,059	54	45	842	784	737	1,260	734	1,175		
26 I-80 EB: County Rd 32B Off to On-ramp	Basic			786	1,377	880	1,339	626	1,249	699	1,196	55	45	916	865	810	1,417	801	1,306		
27 I-80 EB: County Rd 32B On-ramp	Merge			784	1,419	875	1,376	623	1,276	710	1,227	55	45	943	871	806	1,465	802	1,339		
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic			803	1,480	890	1,417	639	1,303	768	1,264	55	45	980	891	830	1,521	824	1,353		
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge			695	1,427	762	1,354	572	1,251	685	1,186	50	43	828	872	729	1,467	726	1,254		
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic			699	1,432	768	1,362	583	1,257	702	1,193	51	44			847	1,493	726	1,258		
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													836	847						
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													572	818						
31 I-80 EB: Enterprise Blvd to US 50	Weave			442	939	491	902	379	856	451	785	38	30	524	782	813	1,494	471	924		
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic													526	585						
US 50 EB: I-80 Off to On-ramp	Basic			471	793	522	722	400	666	464	613	39	31			468	800	494	779		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic													318	544						
34 US 50 EB: I-80 to Harbor Blvd	Weave			316	642	357	532	269	475	292	452	31	30	325	532	332	621	339	694		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic			351	698	382	560	287	484	314	459	34	30	339	538	364	669	363	709		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave			357	702	383	569	287	476	314	452	26	29	336	536	367	670	363	711		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic			568	1,016	562	829	405	633	438	594	34	39	563	877	599	958	596	1,011		
38 US 50 EB: Jefferson Blvd On-ramp	Merge			385	763	337	632	240	436	281	424	20	29	380	670	432	709	458	781		
39 US 50 EB: S River Rd On-ramp	Merge			374	684	348	588	239	433	279	419	19	27	428	593	428	646	455	698		
40 US 50 EB: I-5 Off-ramp	Basic			435	560	403	475	279	329	304	306	20	20	482	559	499	506	525	612		
41 US 50 EB: 5th St Off-ramp	Diverge			498	569	474	475	319	341	349	319	21	20	510	523	552	531	583	610		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic			413	412	399	352	272	244	288	226	18	14	383	333	436	387	463	400		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave			258	167	448	415	448	371	338	264	357	251	323	217	396	316	451	399	475	389
45 US 50 EB: 15th St to 11th St	Basic			423	537	510	707	496	711	473	744	480	740	464	752	514	412	510	704	522	774
46 US 50 EB: 11th St On-ramp	Merge			432	556	503	745	494	756	478	797	482	789	463	796	510	430	501	744	512	823
47 US 50 EB: 16th St to SR 51/SR 99	Weave			467	635	535	801	526	804	517	840	520	835	497	850	551	512	526	794	528	881

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 3  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	411	749		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					51	484	59	483	41	452	53	428	4	8	50	21	388	774	40	314
63 I-80 EB: US 50 to Reed Ave	Basic					114	559	122	554	96	509	108	479	8	13	224	230	351	769	108	474
64 I-80 EB: Reed Ave Off-ramp	Diverge					133	572	148	568	113	521	126	487	11	21	244	279	342	757	133	516
65 I-80 EB: Reed Ave Off to On-ramp	Basic					187	638	211	628	158	574	171	550	22	33	302	379	350	786	181	577
66 I-80 EB: Reed Ave On-ramp	Merge					255	955	298	960	227	864	245	822	23	34	355	554	376	1,013	254	902
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																459	849			
I-80 EB: Reed Ave to W El Camino Ave	Basic					316	1,076	374	1,079	288	968	302	924	23	33			409	1,134	325	1,024
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																428	653			
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	24	140	28	94	326	873	283	905	159	909	159	916	50	236	427	653	366	922	329	834
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	42	310	47	208	330	891	282	832	162	694	165	703	89	417	399	438	366	941	335	851
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	50	290	54	211	232	901	204	833	122	700	128	714	78	447	270	402	258	952	238	852
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	59	293	68	220	227	846	199	787	124	664	130	671	86	468	272	390	253	887	235	798
73 I-80 EB: W El Camino Ave to I-5	Basic	71	316	97	265	236	702	211	657	141	555	151	555	111	468	283	385	259	734	245	651
74 I-80 EB: I-5 Off-ramp	Basic	73	323	100	278	236	701	212	656	144	557	154	557	115	479	283	385	261	730	246	650
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	82	445	126	369	248	707	225	650	162	580	176	574	143	551	289	399	273	741	259	663
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	155	620	144	479	241	837	213	782	180	732	190	726	170	727	252	302	259	871	236	793
77 I-80 EB: I-5 SB On-ramp	Merge	162	559	182	485	266	682	243	633	210	603	227	587	215	614	266	318	280	712	262	640
78 I-80 EB: I-5 to Truxel Rd	Weave	232	636	269	540	338	710	312	665	285	648	292	620	301	653	355	389	358	738	347	673
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	266	785	309	688	378	1,004	351	1,001	321	977	333	932	348	924	393	583	397	1,018	382	1,010
80 I-80 EB: Truxel Rd SB On-ramp	Basic	288	947	334	852	396	1,111	373	1,117	342	1,092	358	1,043	374	1,037	412	712	413	1,116	401	1,129
81 I-80 EB: Truxel Rd NB On-ramp	Merge	306	1,001	350	936	409	1,197	386	1,174	356	1,158	373	1,106	389	1,111	424	742	425	1,202	413	1,191
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	284	996	317	950	367	1,181	347	1,159	325	1,141	339	1,096	347	1,104	377	724	385	1,183	371	1,187
83 I-80 EB: Northgate Blvd Off-ramp	Basic	290	1,012	325	960	371	1,178	353	1,149	331	1,124	348	1,090	355	1,099	381	728	389	1,177	373	1,176

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 4  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			92	700	96	671	85	601	72	532	37	45	85	370	93	666	94	645		
18 I-80 EB: Richards Blvd On-ramp	Merge	307	1,085	335	1,043	291	956	258	874	38	45	345	607	324	1,045	318	1,013				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	372	1,141	402	1,097	353	1,005	316	898	38	44	441	629	390	1,094	383	1,070				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	459	1,123	488	1,072	431	989	392	879	36	43	584	634	473	1,067	463	1,059				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	478	1,110	506	1,073	445	981	407	872	37	43	603	616	487	1,054	480	1,054				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	514	1,202	552	1,164	484	1,058	443	941	38	42	645	676	524	1,145	521	1,143				
23 I-80 EB: Mace Blvd NB On-ramp	Merge	536	1,215	570	1,173	500	1,064	459	950	38	42	685	712	544	1,155	541	1,151				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	551	1,221	588	1,176	517	1,063	474	957	38	43	705	771	560	1,161	556	1,149				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	617	1,316	658	1,293	579	1,129	522	1,103	49	52	688	882	620	1,277	611	1,152				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	678	1,447	723	1,397	633	1,247	566	1,226	49	52	733	984	678	1,402	669	1,283				
27 I-80 EB: County Rd 32B On-ramp	Merge	678	1,503	722	1,432	634	1,287	567	1,259	49	52	739	1,006	674	1,446	668	1,322				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	683	1,536	724	1,447	639	1,309	584	1,274	49	52	775	1,041	683	1,478	672	1,359				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	607	1,418	628	1,309	568	1,201	531	1,147	46	46	705	1,007	616	1,362	602	1,337				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	608	1,417	625	1,310	566	1,203	535	1,148	46	46			724	1,380	601	1,347				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic											708	980								
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic											500	882								
31 I-80 EB: Enterprise Blvd to US 50	Weave	406	826	408	797	365	702	342	672	34	31	459	818	697	1,365	402	767				
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic											462	605								
US 50 EB: I-80 Off to On-ramp	Basic	431	702	437	664	386	616	358	575	36	31			418	689	421	704				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic											338	554								
34 US 50 EB: I-80 to Harbor Blvd	Weave	340	514	355	486	320	450	279	423	34	28	351	539	356	497	330	600				
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	381	514	412	489	385	458	314	425	39	29	396	541	428	500	363	650				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	386	504	422	479	391	451	320	419	33	27	407	539	441	492	378	652				
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	581	609	701	591	549	554	463	514	37	35	689	819	721	599	614	984				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	404	380	478	367	349	359	297	320	25	25	449	609	467	358	438	692				
39 US 50 EB: S River Rd On-ramp	Merge	396	375	457	362	328	356	300	318	22	24	471	533	434	355	419	597				
40 US 50 EB: I-5 Off-ramp	Basic	463	269	513	261	365	257	349	222	22	20	510	511	489	247	476	519				
41 US 50 EB: 5th St Off-ramp	Diverge	510	287	572	273	398	266	395	232	24	20	513	470	537	265	530	562				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic	420	205	460	196	327	180	322	161	23	14	393	312	432	193	428	380				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	279	65	455	244	466	212	399	181	434	159	309	111	396	294	443	228	435	363		
45 US 50 EB: 15th St to 11th St	Basic	436	483	491	704	476	701	427	680	472	679	409	544	458	243	491	683	474	375		
46 US 50 EB: 11th St On-ramp	Merge	440	502	482	737	467	731	425	741	467	723	405	591	451	236	480	713	464	396		
47 US 50 EB: 16th St to SR 51/SR 99	Weave	464	588	509	795	500	784	448	795	500	764	415	672	472	248	503	756	477	469		

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 4  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	341	721		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					33	471	37	438	33	441	28	412	2	6	39	84	323	751	23	360
63 I-80 EB: US 50 to Reed Ave	Basic					71	613	82	542	75	535	64	493	4	9	117	291	299	742	58	494
64 I-80 EB: Reed Ave Off-ramp	Diverge					89	641	106	560	91	553	80	511	7	15	149	364	292	734	74	539
65 I-80 EB: Reed Ave Off to On-ramp	Basic					127	704	150	613	133	606	115	562	18	33	190	486	294	763	107	618
66 I-80 EB: Reed Ave On-ramp	Merge					189	1,127	228	1,054	202	1,022	180	942	20	35	248	719	314	1,093	165	1,028
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																365	903			
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
I-80 EB: HOV Lane Add to W El Camino Ave	Basic					253	1,182	301	1,108	264	1,073	239	979	21	36			345	1,134	237	1,099
68 I-80 EB: W El Camino Ave Off-ramp	Diverge	13	88	21	133	271	980	244	933	158	1,009	137	981	43	162	371	742	323	946	259	927
69 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	27	175	38	273	277	982	243	842	160	753	140	717	76	342	349	503	324	954	266	928
70 I-80 EB: W El Camino Ave EB On-ramp	Merge	33	185	48	269	214	964	193	833	131	729	121	723	72	326	259	463	255	941	210	911
71 I-80 EB: W El Camino Ave WB On-ramp	Merge	37	197	57	279	211	909	189	787	131	696	122	688	77	328	259	445	251	887	207	858
72 I-80 EB: W El Camino Ave to I-5	Basic	45	210	74	295	214	791	192	671	141	612	132	589	94	393	259	431	251	763	209	730
73 I-80 EB: I-5 Off-ramp	Basic	46	212	76	299	214	788	193	668	143	614	134	593	96	408	260	430	251	762	210	729
74 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	52	278	93	372	223	777	202	666	159	641	149	623	115	513	264	441	259	752	216	720
75 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	117	398	115	394	220	861	202	770	176	772	169	769	152	675	249	330	253	837	210	810
76 I-80 EB: I-5 SB On-ramp	Merge	124	374	146	468	240	678	223	602	203	629	203	613	194	607	257	339	270	654	225	635
77 I-80 EB: I-5 to Truxel Rd	Weave	163	455	200	538	287	697	265	627	248	649	248	637	249	649	304	413	316	675	272	656
78 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	195	563	239	626	315	775	294	716	282	724	280	723	290	756	328	528	345	763	304	745
79 I-80 EB: Truxel Rd SB On-ramp	Basic	219	675	264	726	337	815	317	749	308	765	306	758	319	796	342	631	362	794	328	784
80 I-80 EB: Truxel Rd NB On-ramp	Merge	234	703	281	746	350	811	327	741	320	761	322	758	334	796	354	662	378	789	343	781
81 I-80 EB: Truxel Rd to Northgate Blvd	Basic	221	684	261	710	324	751	301	687	299	713	295	695	307	749	318	630	350	727	311	717
82 I-80 EB: Northgate Blvd Off-ramp	Basic	229	667	270	688	329	716	305	666	306	685	300	665	313	717	321	616	351	698	317	691

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			510	413	660	471	626	469	591	489	597	479	635	406	781	676	644	482	625	503
102 US 50 WB: SR 51 to 16th St	Weave			562	439	745	497	753	520	685	530	726	521	717	425	821	674	730	505	739	534
103 US 50 WB: 10th St Off-ramp	Diverge			644	650	809	743	831	749	763	743	803	739	824	651	848	674	822	739	825	766
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			671	668	824	758	847	766	786	758	817	756	849	664	857	673	848	754	840	786
105 US 50 WB: 15th St to I-5	Weave			513	548	638	638	632	644	602	647	622	632	718	492	900	675	646	637	641	671
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					736	630	806	658	607	524	658	542	169	123	571	409	766	602	735	629
107 US 50 WB: 5th St On-ramp	Merge					707	565	769	597	597	487	648	506	167	111	826	435	739	546	712	567
108 US 50 WB: I-5 On-ramp	Merge					698	589	756	622	598	521	648	543	177	120	802	554	725	573	699	586
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					740	605	810	644	650	541	702	526	193	126	829	570	772	593	745	606
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					749	604	818	644	662	542	708	528	194	126	830	569	781	593	755	606
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					707	485	791	529	634	451	695	454	198	104	814	413	744	479	712	483
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					750	354	798	393	694	346	710	345	156	75	626	277	775	348	747	362
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					769	347	776	385	738	341	711	340	152	74	622	275	786	343	770	355
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					858	348	774	389	817	343	788	346	154	75	624	272	890	344	847	359
118 US 50 WB: I-80 EB Off-ramp	Basic					937	382	853	420	866	371	902	383	153	82	616	271	972	377	930	385
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					962	382	953	414	887	369	953	381	160	74	580	245	994	372	963	394
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					998	383	1,015	418	919	373	996	386	178	72	412	318	1,013	372	992	400
121 I-80 WB: US 50 to W Capitol Ave	Weave					923	416	1,012	449	841	398	927	419	176	80	594	331	920	415	950	427
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															758	474				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					1,031	577	1,205	623	947	540	1,052	576	201	104			1,774	1,143	1,055	522
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															830	548				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					1,088	605	1,287	658	1,000	571	1,119	604	212	110	859	601	1,744	1,009	1,111	556
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,110	637	1,318	691	1,020	598	1,140	634	219	113	899	654	1,721	980	1,127	593
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,105	739	1,296	792	1,011	697	1,125	728	225	131	934	773	1,578	919	1,112	718
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,085	846	1,224	940	976	819	1,045	860	224	143	962	767	1,289	831	1,079	847
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,088	836	1,229	930	977	811	1,047	852	229	145	959	765	1,287	816	1,079	835
129 I-80 WB: County Rd 32A On-ramp	Merge					1,073	824	1,210	910	964	800	1,028	838	228	148	930	744	1,270	802	1,070	826
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,070	812	1,205	894	959	792	1,016	829	229	149	935	744	1,260	788	1,067	817
131 I-80 WB: Mace Blvd Off-ramp	Diverge					909	638	1,031	711	823	636	871	649	203	126	828	616	1,049	628	905	651
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					885	629	998	700	807	625	857	641	202	126	792	592	1,008	619	882	648
133 I-80 WB: Mace Blvd On-ramp	Merge					843	619	945	684	779	612	829	630	199	127	764	575	946	605	841	632
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					840	622	942	687	777	616	826	636	202	128	790	622	934	608	840	632
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					840	626	945	689	777	618	829	637	203	129	793	625	936	611	844	635
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					737	563	847	614	696	565	739	586	187	124	724	583	831	550	745	570
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					759	567	879	624	721	569	752	591	190	126	729	583	863	553	760	577
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	849	743	883	768	1,057	932	1,038	923	1,000	905	1,007	904	1,023	880	996	915	1,045	924	1,051	926
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	811	694	874	700	1,039	852	1,006	847	986	822	985	824	964	795	962	830	1,025	845	1,017	838
163 I-80 WB: Truxel Rd NB On-ramp	Basic	490	364	534	369	684	491	652	483	632	475	634	476	617	453	591	468	680	489	647	477
164 I-80 WB: Truxel Rd to I-5	Weave	446	337	459	320	611	452	592	448	567	436	566	436	557	422	535	437	606	450	589	442
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	472	346	555	377	711	463	697	456	663	452	670	448	617	430	568	431	647	456	698	447
166 I-80 WB: I-5 NB On-ramp	Merge	436	317	563	389	728	460	717	454	675	449	685	444	620	424	556	425	629	451	715	443
167 I-80 WB: I-5 to W El Camino Ave	Weave	433	320	564	397	676	428	660	423	621	417	626	418	580	394	588	397	585	418	670	412
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	446	344	620	418	722	461	673	451	649	452	645	448	607	415	784	431	637	446	700	450
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	452	350	642	422	738	468	681	460	662	461	660	456	621	419	802	437	649	454	712	456
170 I-80 WB: W El Camino EB On-ramp	Merge	503	364	721	434	796	502	729	499	713	502	714	496	658	439	903	475	705	474	757	493
171 I-80 WB: W El Camino Ave to Lane Drop	Basic															848	533				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic					767	555	778	565	677	414	723	423	231	116			654	527	719	540
172 I-80 WB: Lane Drop to Reed Ave	Basic															1,021	659				
173 I-80 WB: Reed Ave Off-ramp	Diverge					888	603	930	657	906	553	950	576	163	99	891	757	756	567	824	584
174 I-80 WB: Reed Ave Off to On-ramp	Basic					793	610	851	677	844	554	842	576	167	107	788	777	755	597	763	591
175 I-80 WB: Reed Ave On-ramp	Merge					718	577	792	620	792	501	755	522	162	88	670	731	656	484	726	548
176 I-80 WB: Reed Ave to US 50	Basic					675	736	763	803	732	660	712	695	163	115	645	809	618	486	680	688
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	640	492		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																	844	690		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				



I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			747	911	819	976	713	914	648	931	650	924	794	852	461	661	816	993	827	1,005
102 US 50 WB: SR 51 to 16th St	Weave			887	946	941	999	851	941	793	969	776	952	920	889	446	653	944	1,019	954	1,037
103 US 50 WB: 10th St Off-ramp	Diverge			918	969	963	1,024	884	972	849	991	826	967	962	954	441	644	969	1,033	979	1,061
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			905	980	950	1,046	880	994	844	1,006	824	985	956	966	439	642	960	1,052	967	1,077
105 US 50 WB: 15th St to I-5	Weave			535	948	587	1,067	545	1,018	519	1,001	521	978	613	978	475	638	574	1,071	599	1,091
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					557	628	600	666	432	589	464	604	119	122	267	387	554	646	549	665
107 US 50 WB: 5th St On-ramp	Merge					532	554	574	596	430	536	458	541	115	112	461	417	533	576	529	581
108 US 50 WB: I-5 On-ramp	Merge					524	559	574	605	442	545	473	548	123	116	457	540	530	594	530	579
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					603	573	635	621	507	561	560	512	156	121	466	592	595	610	606	587
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					608	573	640	622	512	561	564	512	159	121	452	592	599	610	613	587
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					554	429	600	468	487	423	527	414	178	90	467	420	559	446	554	425
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					562	334	610	389	521	323	542	324	150	64	399	274	585	345	577	325
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					559	332	598	382	523	319	537	320	143	64	402	270	580	339	583	319
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					584	335	605	385	554	324	552	324	143	65	405	269	596	341	611	320
118 US 50 WB: I-80 EB Off-ramp	Basic					650	377	665	430	629	367	618	359	139	75	413	275	670	388	678	365
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					708	377	745	434	680	366	684	356	139	71	392	253	724	382	728	383
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					737	417	775	483	718	406	714	395	154	78	295	393	724	404	771	436
121 I-80 WB: US 50 to W Capitol Ave	Weave					741	465	814	528	685	453	741	436	157	92	481	491	754	461	776	489
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															639	712				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					912	599	1,094	658	803	582	938	558	173	110			1,510	1,158	911	563
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															710	785				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					974	635	1,178	694	857	622	1,006	592	183	118	736	819	1,460	1,021	974	628
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,003	691	1,207	756	878	674	1,029	646	187	124	785	860	1,453	1,010	999	709
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,026	809	1,209	883	893	778	1,040	774	193	147	852	903	1,328	991	1,019	838
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,084	874	1,197	971	919	844	1,032	878	196	147	856	809	1,135	853	1,079	885
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,083	864	1,193	958	924	834	1,031	868	202	151	856	804	1,141	844	1,078	878
129 I-80 WB: County Rd 32A On-ramp	Merge					1,061	852	1,164	940	897	825	1,005	850	202	151	827	776	1,115	826	1,052	855
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,041	846	1,148	924	882	806	987	843	202	152	819	773	1,098	817	1,033	846
131 I-80 WB: Mace Blvd Off-ramp	Diverge					881	625	962	696	747	607	844	619	182	124	720	614	905	616	854	624
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					854	615	935	683	733	600	823	607	181	123	695	586	882	610	837	612
133 I-80 WB: Mace Blvd On-ramp	Merge					819	599	901	667	709	581	790	589	178	124	675	564	842	588	808	598
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					826	603	915	671	718	585	797	590	183	127	729	603	854	592	816	599
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					827	607	919	674	721	586	800	593	185	128	730	604	856	594	820	601
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					726	534	809	590	644	519	705	536	165	118	661	550	756	524	728	538
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					758	540	844	594	669	524	739	541	170	120	669	554	786	527	760	537
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,077	769	1,105	831	1,183	970	1,214	944	1,101	935	1,115	942	1,198	934	1,295	984	1,238	983	1,177	968
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	1,026	726	1,051	762	1,132	882	1,164	858	1,046	851	1,056	852	1,157	843	1,222	900	1,188	889	1,123	877
163 I-80 WB: Truxel Rd NB On-ramp	Basic	599	395	711	406	872	506	782	495	782	487	770	495	705	481	896	505	755	511	811	511
164 I-80 WB: Truxel Rd to I-5	Weave	530	363	546	356	723	468	641	460	653	443	633	450	607	446	689	464	652	468	695	469
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	598	376	591	418	837	477	792	465	741	452	733	458	704	449	742	459	709	473	824	480
166 I-80 WB: I-5 NB On-ramp	Merge	510	352	646	429	921	476	849	465	787	451	777	457	711	447	761	459	685	472	895	473
167 I-80 WB: I-5 to W El Camino Ave	Weave	498	356	699	432	947	449	850	442	800	428	794	435	657	425	815	434	593	447	912	444
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	517	381	789	468	916	494	889	483	789	472	790	481	787	456	725	492	628	483	926	491
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	524	387	796	475	927	505	905	490	802	480	802	489	811	465	728	532	641	490	946	501
170 I-80 WB: W El Camino EB On-ramp	Merge	593	407	841	496	947	551	946	540	826	526	825	541	850	492	832	664	722	517	968	541
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic					940	608	1,158	622	954	446	1,054	470	614	131			693	577	962	592
172 I-80 WB: Lane Drop to Reed Ave	Basic															974	940				
173 I-80 WB: Reed Ave Off-ramp	Diverge					944	632	1,218	709	886	572	1,040	619	189	105	874	1,098	788	586	969	626
174 I-80 WB: Reed Ave Off to On-ramp	Basic					832	691	1,073	764	779	604	889	648	193	130	765	910	791	668	854	681
175 I-80 WB: Reed Ave On-ramp	Merge					779	624	986	674	748	525	829	566	178	106	628	824	651	507	779	607
176 I-80 WB: Reed Ave to US 50	Basic					746	760	933	825	716	663	776	705	161	123	601	848	618	500	739	724
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	624	501		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																	728	681		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 3  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			530	995	592	933	506	861	499	972	493	894	534	905	505	597	567	925	592	991
102 US 50 WB: SR 51 to 16th St	Weave			721	1,019	791	939	642	869	623	994	636	903	714	916	510	590	731	936	759	1,004
103 US 50 WB: 10th St Off-ramp	Diverge			795	1,005	866	942	721	894	706	1,004	714	918	811	933	528	579	817	949	842	1,004
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			794	1,013	861	960	731	912	716	1,021	722	928	815	936	529	578	822	962	843	1,020
105 US 50 WB: 15th St to I-5	Weave			504	983	578	981	508	931	491	1,013	499	941	531	942	553	575	561	984	558	1,048
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					549	549	541	566	406	544	409	473	98	90	291	332	533	488	526	559
107 US 50 WB: 5th St On-ramp	Merge					525	482	521	512	408	496	411	431	98	86	451	360	517	434	511	491
108 US 50 WB: I-5 On-ramp	Merge					527	487	526	514	421	502	419	436	113	88	449	481	524	439	513	494
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					621	502	608	532	514	515	496	412	170	90	475	587	627	452	592	512
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					626	502	615	531	519	515	502	414	172	90	470	585	630	452	596	515
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					565	361	588	383	487	372	513	326	188	67	483	412	567	333	540	386
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					580	315	618	345	506	310	550	290	148	54	411	287	605	304	535	324
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					570	311	606	343	498	305	542	288	143	55	409	282	601	303	528	321
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					571	315	610	347	504	307	550	294	143	56	406	280	624	306	534	324
118 US 50 WB: I-80 EB Off-ramp	Basic					620	360	667	393	565	348	605	340	141	66	406	287	700	349	596	354
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					687	365	737	408	636	352	677	348	142	62	383	303	745	360	662	372
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					717	418	767	468	670	400	702	401	163	68	269	500	758	392	710	420
121 I-80 WB: US 50 to W Capitol Ave	Weave					758	467	822	520	697	446	755	442	165	85	428	561	786	455	765	469
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															601	708				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					926	563	1,120	615	844	543	946	533	183	98			1,496	1,078	906	533
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															665	769				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					977	639	1,184	670	889	587	993	579	193	106	689	788	1,395	962	963	591
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,003	718	1,213	748	908	657	1,017	652	198	113	739	829	1,367	959	986	685
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,016	849	1,215	912	919	790	1,024	805	203	143	792	882	1,220	990	1,005	841
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,038	882	1,178	966	922	818	995	838	215	148	808	802	1,061	855	1,031	859
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,032	873	1,182	955	922	808	1,001	827	220	150	814	794	1,051	848	1,037	857
129 I-80 WB: County Rd 32A On-ramp	Merge					1,018	855	1,154	936	904	789	973	805	220	152	784	759	1,027	828	1,015	837
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,008	842	1,139	922	888	780	956	794	222	152	776	750	1,012	815	1,005	819
131 I-80 WB: Mace Blvd Off-ramp	Diverge					809	589	941	647	725	554	775	561	196	116	655	569	822	572	827	579
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					795	580	925	638	710	544	761	550	195	117	625	543	796	561	809	570
133 I-80 WB: Mace Blvd On-ramp	Merge					763	562	888	623	688	528	737	541	194	118	605	518	761	541	776	553
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					778	561	898	627	702	531	753	544	199	120	668	556	775	545	787	554
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					783	565	903	628	705	536	756	542	200	121	671	557	779	546	793	555
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					644	497	746	546	581	467	628	483	160	114	574	503	652	471	651	479
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					710	500	814	551	626	477	679	486	171	116	587	503	708	470	718	486
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,127	785	1,227	811	1,284	981	1,431	954	1,175	951	1,226	941	1,520	925	1,398	985	1,544	967	1,305	971
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	1,119	700	1,071	731	1,113	881	1,268	846	1,008	847	1,061	842	1,367	825	1,205	873	1,401	869	1,132	866
163 I-80 WB: Truxel Rd NB On-ramp	Basic	747	359	939	383	981	502	1,103	480	894	479	926	475	1,097	454	1,033	477	1,120	492	983	486
164 I-80 WB: Truxel Rd to I-5	Weave	628	331	747	320	764	462	852	436	691	444	720	433	881	420	798	439	898	448	775	448
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	666	347	646	372	824	466	896	449	713	451	728	441	878	424	727	459	824	455	842	454
166 I-80 WB: I-5 NB On-ramp	Merge	560	304	676	380	869	461	935	450	744	447	765	440	922	423	726	471	823	454	893	453
167 I-80 WB: I-5 to W El Camino Ave	Weave	543	306	684	387	876	415	942	407	749	410	771	406	930	388	774	491	783	420	895	416
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	546	325	705	415	825	457	892	448	718	451	729	451	892	420	678	678	836	461	835	450
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	551	332	713	423	835	468	901	457	726	460	740	462	905	426	684	722	851	469	841	456
170 I-80 WB: W El Camino EB On-ramp	Merge	611	347	757	447	851	513	923	502	749	504	767	512	923	453	782	814	899	492	857	504
171 I-80 WB: W El Camino Ave to Lane Drop	Basic															727	784				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic					844	574	1,118	579	917	422	1,009	427	657	114			875	547	852	561
172 I-80 WB: Lane Drop to Reed Ave	Basic															925	961				
173 I-80 WB: Reed Ave Off-ramp	Diverge					917	599	1,195	646	908	547	1,006	572	200	96	839	1,001	959	548	942	589
174 I-80 WB: Reed Ave Off to On-ramp	Basic					866	655	1,067	713	812	583	884	604	204	117	743	797	961	630	896	649
175 I-80 WB: Reed Ave On-ramp	Merge					824	589	983	628	772	501	819	521	190	87	601	815	884	463	845	577
176 I-80 WB: Reed Ave to US 50	Basic					788	700	931	754	702	609	741	649	167	104	583	815	815	448	776	674
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	778	450		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																	699	615		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			399	1,022	463	1,056	426	953	414	1,032	420	911	441	954	765	676	454	1,004	452	1,004
102 US 50 WB: SR 51 to 16th St	Weave			437	1,058	485	1,082	433	968	419	1,060	426	921	463	971	773	664	474	1,024	472	1,022
103 US 50 WB: 10th St Off-ramp	Diverge			496	1,019	543	1,030	482	948	460	1,013	468	907	527	973	795	652	528	988	522	1,003
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			518	1,021	570	1,036	509	957	488	1,019	492	919	550	973	800	650	558	993	549	1,013
105 US 50 WB: 15th St to I-5	Weave			406	795	465	856	430	875	415	837	414	873	435	925	821	649	465	843	464	924
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					518	514	517	552	379	483	387	507	99	91	452	372	511	527	518	532
107 US 50 WB: 5th St On-ramp	Merge					508	457	505	493	383	441	393	455	113	83	655	399	500	475	509	470
108 US 50 WB: I-5 On-ramp	Merge					507	468	505	499	393	464	405	458	140	85	638	505	503	483	511	472
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					552	477	552	505	447	478	462	426	162	86	652	504	578	486	561	479
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					558	477	555	504	452	478	468	426	163	86	648	501	586	486	565	479
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					587	355	606	368	505	365	532	311	170	63	654	356	672	354	601	344
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					796	263	721	275	715	269	671	232	146	49	551	243	889	251	793	245
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					825	261	739	272	733	265	697	230	143	48	548	241	894	249	810	243
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					868	261	787	274	783	265	776	233	144	49	547	239	923	253	857	243
118 US 50 WB: I-80 EB Off-ramp	Basic					919	289	913	305	830	295	874	259	143	52	554	240	949	282	904	263
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					940	284	1,009	301	859	287	924	254	151	47	537	214	957	275	923	267
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					973	286	1,061	304	898	291	966	257	174	47	361	284	975	273	957	268
121 I-80 WB: US 50 to W Capitol Ave	Weave					932	314	1,037	330	846	319	931	271	180	50	553	336	948	303	942	291
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															774	548				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					1,029	360	1,175	382	954	360	1,038	322	197	59			1,620	792	1,031	324
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															827	605				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					1,075	378	1,235	403	1,002	377	1,092	340	206	61	847	635	1,617	719	1,085	342
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,095	399	1,260	418	1,021	396	1,114	359	210	62	882	669	1,600	706	1,107	357
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,081	478	1,248	499	1,007	470	1,100	440	217	71	915	735	1,433	674	1,093	444
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,089	631	1,193	685	986	593	1,052	599	213	91	880	690	1,188	631	1,092	607
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,082	630	1,192	678	990	595	1,057	597	218	94	883	683	1,191	623	1,089	608
129 I-80 WB: County Rd 32A On-ramp	Merge					1,064	626	1,170	674	972	589	1,026	588	220	96	855	658	1,160	613	1,064	598
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,054	620	1,159	665	959	583	1,006	584	222	97	855	651	1,150	608	1,049	593
131 I-80 WB: Mace Blvd Off-ramp	Diverge					897	409	1,000	443	822	402	879	404	197	74	744	485	961	403	898	400
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					867	404	977	443	810	398	862	403	197	74	715	464	928	402	877	396
133 I-80 WB: Mace Blvd On-ramp	Merge					833	403	931	438	776	395	828	394	196	74	686	444	888	392	837	393
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					842	407	941	440	788	400	841	398	201	75	755	472	903	393	849	396
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					847	409	947	441	793	402	848	400	203	76	759	474	911	391	857	396
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					761	345	867	365	702	341	738	347	177	68	654	412	870	327	787	336
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					825	348	945	365	761	341	793	347	187	68	675	414	917	328	860	339
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	643	588	1,377	610	1,497	721	1,560	716	1,446	702	1,473	698	1,323	684	1,681	719	1,164	720	1,499	722
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	611	533	1,217	553	1,334	654	1,417	652	1,294	649	1,322	632	1,213	622	1,507	696	1,104	648	1,338	657
163 I-80 WB: Truxel Rd NB On-ramp	Basic	328	257	936	259	1,055	344	1,073	332	1,009	332	1,034	334	876	325	1,139	420	844	334	1,082	341
164 I-80 WB: Truxel Rd to I-5	Weave	311	240	660	218	745	322	763	312	701	313	713	311	657	306	778	374	631	320	754	320
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	327	244	657	252	780	332	771	324	711	323	717	317	638	316	764	402	604	329	801	328
166 I-80 WB: I-5 NB On-ramp	Merge	294	218	703	260	862	334	768	322	735	325	710	319	657	315	793	446	601	332	848	330
167 I-80 WB: I-5 to W El Camino Ave	Weave	295	222	706	268	895	299	712	295	744	296	670	290	681	284	853	486	561	299	873	295
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	315	236	714	294	876	330	857	322	765	320	789	315	767	305	763	557	606	323	861	321
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	320	238	719	297	880	334	876	330	774	329	801	321	776	311	767	572	625	332	872	325
170 I-80 WB: W El Camino EB On-ramp	Merge	337	244	744	307	890	363	901	358	787	354	818	353	789	326	859	644	658	349	885	348
171 I-80 WB: W El Camino Ave to Lane Drop	Basic															763	602				
I-80 WB: W El Camino Ave to Reed Ave	Basic					881	397	1,143	396	1,017	268	1,162	275	593	77			625	376	880	378
172 I-80 WB: Lane Drop to Reed Ave	Basic															955	795				
173 I-80 WB: Reed Ave Off-ramp	Diverge					937	408	1,146	455	969	359	1,102	383	167	63	818	874	810	374	933	390
174 I-80 WB: Reed Ave Off to On-ramp	Basic					877	410	966	459	840	338	944	366	168	70	719	681	831	396	878	387
175 I-80 WB: Reed Ave On-ramp	Merge					817	391	864	422	802	312	845	334	158	54	595	642	767	319	824	365
176 I-80 WB: Reed Ave to US 50	Basic					730	486	776	526	699	404	737	432	144	65	581	651	717	303	742	443
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	695	306		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																	651	475		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	76	140	75	138	75	139	76	138	74	139	75	139	74	138	75	136	76	139	74	72
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	36	61	35	61	35	60	36	60	35	62	36	59	36	61	36	60	37	60	36	55
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	405	555	418	648	525	884	524	854	504	807	466	789	440	671	405	678	523	890	532	882
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	229	624	238	680	275	727	280	727	261	728	258	723	245	604	247	547	276	742	266	752
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	126	353	143	379	180	561	182	545	176	471	171	476	156	399	157	403	179	571	184	576
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	331	620	357	670	388	756	383	763	390	792	382	818	384	752	351	539	386	771	394	772
23 I-80 EB: Mace Blvd NB On-ramp	Merge	233	408	248	421	293	607	289	600	270	562	233	601	261	507	228	450	295	620	293	598
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	62	493	71	556	89	468	85	444	100	544	138	473	83	603	131	440	89	423	82	484
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	400	1,022	781	1,231	828	1,310	807	1,253	815	1,248	812	1,305	807	1,233	812	1,220	850	1,308	429	1,057
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	770	1,588	605	1,545	733	1,689	730	1,699	744	1,664	728	1,657	658	1,617	679	1,614	724	1,686	854	1,807
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	687	1,312	714	1,161	759	1,254	770	1,255	752	1,231	731	1,252	736	1,170	745	1,277	748	1,267	802	1,250
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	954	1,337	1,000	1,276	1,043	1,303	1,017	1,299	1,023	1,298	1,023	1,279	1,041	1,275	1,025	1,281	1,030	1,306	1,059	1,305
39 US 50 EB: S River Rd On-ramp	Merge	535	748	625	609	640	640	631	633	624	628	628	627	640	609	632	638	617	640	658	641
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,627	2,959	4,183	2,832	4,108	2,621	4,049	2,563	4,095	2,528	4,069	2,420	4,090	3,091	4,107	3,520	4,086	2,496	4,089	2,956
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	291	835	499	1,002	457	1,003	465	995	459	1,006	460	990	473	1,005	478	1,024	449	1,002	469	1,008
47 US 50 EB: 16th St to SR 51/SR 99	Weave	238	595	253	659	266	666	265	677	275	651	256	684	277	657	298	687	275	678	273	701

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,064	1,465	976	1,246	1,025	1,411	1,016	1,383	1,017	1,382	1,013	1,337	1,013	1,296	1,006	1,355	1,024	1,392	1,131	1,617
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	301	1,251	337	1,326	364	1,350	377	1,295	368	1,289	369	1,254	359	1,418	365	1,422	368	1,288	413	1,155
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	344	371	346	376	337	377	347	378	343	382	349	374	341	383	349	382	346	381	348	375
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	175	473	223	522	239	527	238	533	235	538	239	526	238	549	235	557	240	531	232	537
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	541	980	566	1,010	559	1,016	574	1,012	573	1,018	566	994	578	1,024	585	1,072	580	1,009	578	1,015
78 I-80 EB: I-5 to Truxel Rd	Weave	1,604	2,700	1,474	2,678	1,570	2,676	1,556	2,663	1,559	2,635	1,561	2,650	1,547	2,724	1,571	2,834	1,550	2,658	1,560	2,663
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	237	628	249	589	260	604	259	598	261	601	262	608	258	607	255	632	261	606	257	604
81 I-80 EB: Truxel Rd NB On-ramp	Merge	354	383	384	464	422	489	420	492	424	487	418	491	424	499	427	519	419	485	424	491
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				



I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	205	119	210	116	206	121	209	127	206	128	202	119	208	116	205	85	206	121	206	242
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	50	71	52	71	50	73	50	73	50	72	49	73	50	74	51	74	50	74	51	80
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	883	356	916	406	1,083	599	1,089	594	1,050	560	958	505	869	431	863	477	1,074	580	1,074	578
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	361	550	403	589	418	630	414	634	418	618	410	615	393	575	368	203	425	646	419	639
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	239	368	290	391	370	604	368	589	346	538	336	482	295	405	243	433	376	585	354	588
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	680	647	736	662	596	795	605	794	593	819	611	842	585	729	495	384	602	789	603	753
23 I-80 EB: Mace Blvd NB On-ramp	Merge	407	489	515	511	489	698	496	682	487	684	463	714	439	551	386	462	490	710	492	688
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	294	629	285	605	395	574	408	599	408	571	515	617	382	603	401	516	378	556	387	573
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	479	968	808	1,238	874	1,199	887	1,060	874	1,064	889	1,071	872	1,242	963	1,251	914	1,267	488	1,093
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	1,671	1,769	1,387	1,833	1,586	1,937	1,569	2,038	1,582	1,975	1,519	1,975	1,456	1,927	1,303	1,927	1,596	1,949	1,852	1,868
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	936	1,120	773	1,092	767	1,255	787	1,243	761	1,234	781	1,256	774	1,139	742	1,274	770	1,254	782	1,245
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	1,632	1,419	1,503	1,301	1,547	1,310	1,553	1,293	1,556	1,303	1,552	1,306	1,557	1,294	1,468	1,319	1,559	1,309	1,553	1,303
39 US 50 EB: S River Rd On-ramp	Merge	1,179	804	794	624	795	645	793	642	793	636	794	642	796	616	794	626	795	652	796	659
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,936	2,164	4,081	2,406	3,376	2,457	3,409	2,393	3,280	2,446	3,314	2,360	3,472	2,687	3,458	3,059	3,637	2,425	3,254	2,800
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	560	904	616	1,066	941	1,081	911	1,077	926	1,058	959	1,062	988	1,072	1,020	1,066	929	1,069	964	1,086
47 US 50 EB: 16th St to SR 51/SR 99	Weave	481	630	482	715	473	666	454	652	463	664	481	666	487	697	505	726	477	665	481	651

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,414	1,703	1,349	1,513	1,363	1,265	1,370	1,181	1,367	1,122	1,347	1,125	1,365	1,612	1,357	1,615	1,366	1,162	1,515	1,235
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	512	1,587	599	1,431	637	1,224	641	1,148	643	1,175	658	1,143	648	1,430	641	1,406	643	1,182	727	1,182
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic					637	1,224	641	1,148	643	1,175	658	1,143	648	1,430					727	1,182
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	603	451	593	451	593	433	596	437	585	437	595	434	595	446	601	459	589	438	598	431
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	530	485	587	554	578	533	592	534	583	524	578	540	606	554	604	567	587	536	583	536
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	1,043	931	1,044	980	1,080	992	1,075	976	1,061	966	1,036	983	1,059	1,006	1,082	1,029	1,077	996	1,058	991
78 I-80 EB: I-5 to Truxel Rd	Weave	2,695	2,677	2,514	2,703	2,585	2,609	2,616	2,568	2,580	2,561	2,594	2,579	2,566	2,693	2,600	2,816	2,619	2,624	2,612	2,616
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	649	559	677	616	686	613	682	621	678	602	680	610	683	614	686	581	689	609	690	599
81 I-80 EB: Truxel Rd NB On-ramp	Merge	599	445	625	580	629	558	642	542	620	545	645	542	653	580	660	596	635	539	647	557
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	186	97	186	97	191	98	186	97	187	93	186	97	192	96	185	120	184	98	184	81
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	34	51	33	51	34	50	33	50	32	52	32	52	34	51	32	52	34	54	32	50
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	782	369	845	444	1,041	591	1,035	568	976	561	942	528	863	467	826	463	1,031	592	1,009	586
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	416	430	441	470	458	584	454	572	449	547	444	530	415	542	423	509	459	562	462	560
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	275	393	305	422	375	662	376	672	369	589	351	571	329	448	323	509	381	664	372	651
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	638	597	694	600	623	735	620	727	625	761	620	815	605	677	492	587	629	736	635	703
23 I-80 EB: Mace Blvd NB On-ramp	Merge	416	459	449	406	515	590	512	584	525	559	463	588	460	521	401	551	516	611	521	587
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	256	553	332	656	368	484	351	516	414	554	617	524	381	867	572	723	355	463	353	509
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	527	764	828	1,195	878	917	919	881	889	864	916	907	878	1,210	947	1,232	907	1,168	566	1,085
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	1,520	1,794	1,300	1,645	1,532	1,871	1,511	1,776	1,503	1,743	1,466	1,725	1,414	1,729	1,358	1,725	1,548	1,885	1,780	1,786
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	955	1,052	807	1,136	764	1,279	796	1,233	760	1,267	791	1,273	806	1,183	787	1,284	797	1,281	768	1,265
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	1,618	1,427	1,471	1,319	1,475	1,304	1,505	1,322	1,566	1,364	1,491	1,363	1,506	1,367	1,495	1,103	1,392	1,320	1,408	1,236
39 US 50 EB: S River Rd On-ramp	Merge	922	812	829	691	806	659	821	671	835	719	827	733	788	688	795	621	792	679	793	639
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,479	2,872	2,698	3,250	2,848	2,908	2,526	3,201	2,706	3,568	2,531	3,556	2,529	3,321	2,880	2,845	2,559	2,934	2,535	3,497
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	602	842	1,053	928	918	939	949	942	923	958	930	949	969	950	973	967	936	950	947	940
47 US 50 EB: 16th St to SR 51/SR 99	Weave	482	590	525	648	523	606	522	613	528	616	497	612	536	636	565	670	533	595	522	602

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,203	1,362	1,062	1,170	1,112	1,191	1,096	1,163	1,095	1,141	1,090	1,157	1,090	1,211	1,089	1,229	1,088	1,139	1,243	1,313
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	534	1,541	594	1,417	649	1,301	653	1,264	653	1,249	657	1,282	640	1,390	643	1,369	637	1,330	711	1,301
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic					649	1,301	653	1,264	653	1,249	657	1,282	640	1,390					711	1,301
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	481	468	505	471	491	466	496	465	507	469	510	469	505	454	498	461	491	472	493	473
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	342	430	439	461	474	501	469	486	474	495	485	481	466	487	460	479	474	503	462	517
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	961	866	1,000	893	1,007	905	1,025	920	1,009	929	988	903	1,017	924	1,033	933	1,023	907	1,016	904
78 I-80 EB: I-5 to Truxel Rd	Weave	2,062	2,816	1,861	2,459	1,960	2,565	1,956	2,601	1,963	2,604	1,948	2,582	1,959	2,615	1,986	2,513	1,981	2,533	1,970	2,533
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	708	589	742	576	772	607	772	599	771	592	772	594	765	582	767	597	764	583	774	605
81 I-80 EB: Truxel Rd NB On-ramp	Merge	485	473	532	578	584	613	585	615	580	619	578	611	588	631	599	647	596	601	602	618
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	98	115	99	117	94	118	99	118	97	114	93	118	98	119	98	126	98	118	97	92
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	23	40	24	42	25	41	24	41	24	40	24	40	24	40	24	39	23	40	24	39
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	474	598	511	717	629	910	614	906	585	889	566	863	644	768	491	739	630	908	617	912
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	289	442	305	477	383	563	378	553	370	538	347	529	352	495	344	531	382	543	368	554
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	251	382	283	404	359	645	360	654	343	569	332	555	307	434	303	488	364	650	365	639
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	420	456	437	457	646	584	637	595	640	658	646	705	637	512	516	839	642	585	646	642
23 I-80 EB: Mace Blvd NB On-ramp	Merge	307	320	322	298	462	438	408	436	389	408	306	436	420	373	347	409	453	447	413	434
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	121	367	133	370	169	292	159	297	185	307	274	297	154	427	231	344	164	297	162	307
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	486	479	985	1,190	982	1,051	987	980	987	1,060	1,002	999	967	1,203	1,013	1,214	1,014	1,199	528	767
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	932	997	773	966	920	1,044	917	1,048	928	1,025	927	1,018	845	1,011	844	1,014	920	1,052	1,068	1,814
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	838	941	788	1,134	755	1,272	777	1,224	713	1,281	776	1,284	712	1,170	749	1,270	701	1,260	730	1,249
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	1,245	1,346	1,312	1,305	1,390	1,304	1,335	1,340	1,246	1,369	1,422	1,386	1,209	1,409	1,133	979	1,273	1,344	1,234	1,296
39 US 50 EB: S River Rd On-ramp	Merge	520	601	812	703	790	746	803	715	772	747	803	775	728	757	684	595	787	759	776	644
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,291	3,319	2,827	3,777	3,089	3,936	2,838	4,055	2,450	3,987	2,719	3,891	2,283	3,534	2,736	3,261	3,023	3,773	2,840	3,221
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	479	600	853	677	725	681	748	683	737	687	761	695	774	690	779	699	748	692	753	680
47 US 50 EB: 16th St to SR 51/SR 99	Weave	442	489	446	519	477	458	467	463	482	507	461	473	496	515	511	530	476	462	471	430

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	801	1,180	729	1,002	766	1,334	757	1,338	762	1,392	756	1,322	740	1,044	756	1,095	757	1,246	857	1,437
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	551	1,076	616	1,389	686	1,004	678	971	688	1,091	690	1,010	681	1,399	673	1,353	665	984	759	1,060
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	306	353	299	349	293	374	293	371	297	370	301	374	298	375	299	359	297	373	299	372
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	221	320	267	342	283	352	280	354	281	358	284	355	286	360	287	358	291	355	282	356
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	820	918	843	917	857	923	854	926	856	923	840	908	866	940	863	960	855	921	855	933
78 I-80 EB: I-5 to Truxel Rd	Weave	1,823	2,207	1,646	2,145	1,752	2,028	1,741	2,027	1,730	2,058	1,724	2,010	1,732	2,190	1,763	2,108	1,756	2,033	1,750	2,009
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	486	580	516	546	526	568	536	561	529	539	527	537	525	553	528	585	534	570	529	549
81 I-80 EB: Truxel Rd NB On-ramp	Merge	305	355	329	434	362	467	362	469	363	465	353	472	359	471	369	489	359	464	366	468
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	2,691	2,143	2,792	1,979	2,830	1,972	2,914	1,946	2,915	1,960	2,909	1,899	2,752	2,270	1,284	583	2,894	1,916	2,866	1,934
102 US 50 WB: SR 51 to 16th St	Weave	907	1,397	950	1,668	1,094	1,716	1,087	1,740	1,077	1,716	1,085	1,719	1,066	1,350	1,056	1,141	1,120	1,768	1,091	1,721
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	372	793	401	752	471	727	465	729	466	777	455	774	435	769	388	735	481	745	468	768
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	102	304	137	300	162	287	161	283	161	293	159	294	143	302	121	313	166	288	163	295
108 US 50 WB: I-5 On-ramp	Merge	1,540	725	1,619	829	1,791	929	1,752	933	1,743	882	1,757	918	1,110	861	933	877	1,802	908	1,738	969
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	329	507	404	617																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					440	668	429	653	446	671	450	656	434	661	521	371	439	680	460	737
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	278	440	252	390	259	364	254	363	263	352	261	353	256	399	256	274	262	362	328	440
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	184	178	185	177	203	195	202	196	195	197	197	198	189	182	191	126	201	202	192	196
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,704	2,304	3,020	2,645	3,262	3,122	3,429	3,108	3,317	3,079	3,299	3,082	3,283	2,675	2,911	2,624	3,892	3,042	3,135	2,784
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
123 I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
124 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	137	82	150	87	159	102	158	110	165	112	161	105	153	92	133	85	160	103	139	133
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	332	217	217	120	236	118	245	116	237	123	240	118	231	118	211	108	275	115	240	223
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	24	14	24	15	22	16	23	16	24	15	23	15	25	15	24	15	25	15	24	15
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	223	396	204	394	217	399	209	406	213	398	217	392	204	402	228	414	202	400	208	405
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	141	324																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	91	252																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			312	653	293	628	298	613	308	637	301	610	312	673	328	636	302	550	305	618
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	16	102	26	132	29	118	29	117	29	116	28	123	30	134	31	152	26	117	25	114
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	600	842	667	929	585	802	582	808	586	805	586	810	689	954	884	1,124	600	782	592	793
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	20	17	23	15	20	16	20	16	21	17	21	17	22	16	23	17	21	16	22	17
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	345	615	403	611	432	602	429	599	428	600	425	603	405	610	395	618	437	605	423	606
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	372	224	430	220	448	223	450	220	446	221	447	223	479	214	432	221	448	226	444	219
164 I-80 WB: Truxel Rd to I-5	Weave	643	1,087	704	1,041	772	1,080	772	1,080	753	1,079	769	1,094	727	1,056	708	1,042	784	1,059	766	1,089
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	82	141	86	165	90	172	91	176	92	171	98	171	87	169	88	170	90	173	91	168
167 I-80 WB: I-5 to W El Camino Ave	Weave	798	765	938	898	1,157	1,101	1,164	1,115	1,169	1,107	1,152	1,112	986	910	856	952	1,170	1,090	1,161	1,091
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	283	279	268	335	292	343	296	342	300	346	310	338	289	351	290	343	296	347	286	316
170 I-80 WB: W El Camino EB On-ramp	Merge	270	234	298	234	285	287	286	286	280	280	293	275	269	234	252	231	277	282	271	284
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	184	865	137	879	196	949	191	956	196	932	201	916	189	876	206	842	199	951	195	955
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				



I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	1,994	1,670	2,046	1,082	2,019	971	2,173	1,035	2,190	1,102	2,184	1,093	2,065	1,042	401	630	2,035	1,126	2,007	1,140
102 US 50 WB: SR 51 to 16th St	Weave	1,236	1,265	1,468	1,421	1,500	1,491	1,541	1,508	1,519	1,528	1,514	1,496	1,437	1,255	1,022	1,252	1,523	1,530	1,540	1,603
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	696	834	760	758	908	909	878	911	895	776	878	773	759	742	641	730	903	907	867	770
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	246	442	267	437	309	495	299	504	301	485	304	491	284	435	247	443	304	513	296	489
108 US 50 WB: I-5 On-ramp	Merge	1,461	1,069	1,397	1,183	1,741	1,382	1,708	1,389	1,668	1,401	1,678	1,346	1,259	1,246	640	1,231	1,723	1,386	1,715	1,338
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	400	912	520	1,127																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					534	1,196	542	1,207	543	1,169	554	1,136	536	1,193	685	1,210	526	1,217	561	1,112
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	528	511	478	433	551	466	555	459	510	441	552	408	488	483	495	541	550	433	581	644
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	212	258	215	280	229	322	237	319	229	326	224	308	218	301	223	339	230	326	229	317
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,742	2,298	2,744	2,599	3,033	2,969	3,303	2,984	3,004	2,967	3,172	2,964	2,871	2,629	2,537	2,216	3,274	2,939	2,841	2,715
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	351	154	329	152	283	241	280	254	278	246	275	271	282	159	341	165	286	245	326	248
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	732	359	463	251	508	256	500	251	488	252	479	243	476	246	426	224	514	244	502	351
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	10	33	10	33	11	32	9	32	10	32	10	31	10	33	10	32	11	34	10	34
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	455	375	472	377	437	378	437	382	435	383	438	387	438	381	449	397	431	379	437	380
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	310	383																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	145	260																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			547	720	533	669	529	667	538	679	526	673	543	728	572	665	525	608	533	676
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	29	199	45	223	49	210	45	208	49	205	47	198	45	235	50	343	51	217	48	204
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	1,051	905	1,110	986	909	843	909	842	901	846	906	827	1,015	983	1,359	1,157	909	818	931	836
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	38	13	40	18	39	13	39	13	40	13	40	12	41	19	39	17	41	13	40	13
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	409	670	449	598	588	596	585	595	582	595	584	596	508	595	405	596	582	595	582	596
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	347	200	376	199	383	204	378	200	381	203	374	202	373	203	354	200	382	196	366	205
164 I-80 WB: Truxel Rd to I-5	Weave	1,180	1,094	1,058	1,053	1,140	1,091	1,150	1,072	1,145	1,078	1,155	1,077	1,128	1,034	1,057	1,019	1,142	1,075	1,141	1,094
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	74	207	77	263	78	250	77	256	85	254	96	270	81	258	79	263	84	262	84	261
167 I-80 WB: I-5 to W El Camino Ave	Weave	1,054	966	1,123	1,164	1,134	1,330	1,306	1,345	1,171	1,346	1,221	1,312	1,153	1,184	1,048	1,197	1,363	1,315	1,131	1,315
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	415	385	378	412	422	440	414	436	422	440	426	454	389	437	316	443	433	429	422	416
170 I-80 WB: W El Camino EB On-ramp	Merge	533	210	468	213	521	285	545	273	527	262	486	266	475	219	398	217	513	273	524	262
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	279	905	306	864	320	958	328	957	340	946	338	950	309	871	286	818	328	959	340	957
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	2,091	2,172	2,241	1,067	2,414	898	2,307	833	2,296	995	2,304	843	2,389	585	398	603	2,384	728	2,388	1,053
102 US 50 WB: SR 51 to 16th St	Weave	1,089	1,013	1,236	1,333	1,236	1,387	1,246	1,308	1,235	1,375	1,236	1,301	1,231	1,055	1,041	1,241	1,248	1,247	1,230	1,296
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	676	852	697	777	780	876	781	872	785	750	762	754	724	732	708	723	818	860	793	776
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	239	489	293	487	342	466	333	462	340	470	326	461	309	480	248	497	340	471	340	466
108 US 50 WB: I-5 On-ramp	Merge	1,330	1,116	1,581	1,247	1,742	1,576	1,738	1,591	1,696	1,447	1,724	1,542	1,365	1,343	727	1,355	1,696	1,546	1,667	1,600
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	372	1,003	512	1,114																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					540	1,269	549	1,276	559	1,285	572	1,271	549	1,181	658	1,261	548	1,330	558	1,413
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	423	413	388	400	402	385	395	376	450	370	408	382	394	403	428	297	413	383	538	421
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	204	245	216	238	243	276	241	275	243	273	238	269	222	255	221	253	241	274	227	273
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,660	1,951	2,458	2,286	2,990	2,719	3,271	2,701	3,042	2,654	3,061	2,717	2,870	2,328	2,417	1,939	3,066	2,648	2,798	2,465
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	253	216	303	216	294	282	285	281	293	285	300	285	283	232	300	203	311	298	346	332
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	615	595	491	480	473	499	462	495	465	504	468	481	443	482	361	428	498	496	511	582
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	14	21	13	19	13	19	13	20	12	18	12	20	12	19	13	18	12	18	13	18
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	588	437	664	433	546	429	539	432	539	426	547	429	540	442	548	438	550	429	546	425
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	434	436																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	152	301																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			626	817	604	764	596	745	598	766	592	762	629	803	631	794	593	685	589	746
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	43	197	75	248	78	223	77	221	79	220	78	224	82	254	88	289	77	221	74	214
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	793	929	876	1,043	858	870	844	876	870	882	852	878	1,025	1,056	1,164	1,245	864	876	837	881
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	8	5	10	5	8	5	8	6	9	5	9	5	10	6	9	5	9	5	9	5
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	380	513	459	596	533	595	509	596	506	596	506	597	487	596	420	596	532	594	525	596
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	221	205	243	205	259	206	249	210	254	210	257	206	255	206	249	211	263	207	262	210
164 I-80 WB: Truxel Rd to I-5	Weave	988	1,011	1,019	1,071	1,155	1,115	1,153	1,122	1,157	1,119	1,147	1,118	1,150	1,068	1,037	1,071	1,096	1,116	1,148	1,130
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	84	178	84	216	84	221	84	230	85	229	92	226	84	220	84	218	87	232	87	221
167 I-80 WB: I-5 to W El Camino Ave	Weave	862	973	1,010	1,147	1,198	1,303	1,212	1,305	1,269	1,304	1,223	1,291	1,039	1,174	848	1,105	1,052	1,308	1,230	1,312
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	339	362	351	412	412	433	398	442	406	439	410	428	389	446	383	452	379	434	409	436
170 I-80 WB: W El Camino EB On-ramp	Merge	504	211	474	200	555	250	564	250	533	241	523	234	515	205	466	205	499	243	558	249
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	295	683	323	811	344	901	329	893	340	812	342	842	334	857	340	690	341	893	368	949
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	2,738	2,225	2,213	1,241	2,114	1,348	2,076	1,055	2,072	1,425	2,060	1,011	2,135	707	684	612	2,146	1,073	2,156	1,033
102 US 50 WB: SR 51 to 16th St	Weave	1,004	1,202	1,102	1,449	1,136	1,520	1,134	1,429	1,134	1,505	1,126	1,389	1,126	1,211	1,454	1,277	1,152	1,593	1,117	1,413
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	538	657	553	801	630	617	636	625	630	797	613	764	612	769	538	733	648	621	625	772
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	168	244	210	254	239	237	238	230	251	239	234	237	220	259	171	260	242	233	240	243
108 US 50 WB: I-5 On-ramp	Merge	1,582	561	1,339	649	1,851	728	1,788	731	1,777	691	1,773	720	999	659	734	726	1,828	707	1,779	756
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	400	393	543	511																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					566	547	570	519	569	546	578	541	565	526	669	534	560	552	565	592
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	254	385	254	327	273	326	272	321	283	313	281	319	251	341	277	269	281	320	363	383
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	165	252	179	247	194	291	190	284	192	286	185	277	177	268	168	275	192	285	182	281
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,025	1,497	2,557	1,810	3,001	2,190	3,049	2,194	3,004	2,129	3,020	2,151	2,954	1,845	2,486	2,433	3,521	2,141	2,858	1,938
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	230	89	237	95	280	125	283	126	281	136	280	137	281	108	220	97	281	247	270	168
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	481	290	341	216	362	208	365	202	358	218	360	211	346	203	305	232	423	211	403	320
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	18	14	18	14	18	13	19	13	17	14	19	12	17	13	19	14	17	13	19	15
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	410	340	368	337	479	340	496	344	489	342	484	338	503	350	514	348	498	342	495	345
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	305	265																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	171	255																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			589	681	553	630	564	614	562	627	550	626	571	667	601	669	572	590	565	626
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	50	116	88	150	91	131	93	133	84	132	93	133	93	146	101	168	88	131	87	126
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	602	719	661	785	580	732	569	706	586	720	585	725	690	807	883	949	586	725	586	714
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	11	13	12	11	9	12	11	12	11	12	11	13	12	12	13	12	10	12	11	12
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	381	365	451	559	481	647	482	644	479	645	464	651	441	648	404	618	493	649	467	647
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	204	238	220	237	238	235	230	238	231	236	233	234	231	239	227	239	230	239	229	241
164 I-80 WB: Truxel Rd to I-5	Weave	738	857	989	1,090	1,063	1,130	1,058	1,127	1,054	1,123	1,051	1,134	924	1,114	991	960	1,111	1,129	1,081	1,106
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	113	107	113	131	120	136	120	140	119	138	128	145	113	138	115	143	117	141	120	135
167 I-80 WB: I-5 to W El Camino Ave	Weave	659	650	744	789	1,040	891	910	911	964	886	918	893	786	814	666	810	980	896	1,042	876
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	205	207	205	259	235	267	236	274	231	273	244	270	223	274	229	287	254	271	227	258
170 I-80 WB: W El Camino EB On-ramp	Merge	244	163	249	174	275	205	276	207	253	201	262	196	250	174	228	169	316	196	268	198
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	332	425	317	443	363	493	354	483	356	458	365	468	359	463	364	679	357	478	379	506
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	21	53	25	49	24	50	25	50	25	50	24	50	24	51	24	44	24	50	25	48
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	460	1,208	562	1,177	513	904	502	865	512	869	505	891	559	1,168	624	1,000	505	897	514	892
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	129	324	165	300	149	300	142	305	143	307	146	302	161	297	166	193	149	308	143	303
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	159	380	172	395	171	400	171	403	171	418	174	410	182	382	189	269	173	401	171	408
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	153	178	159	176	162	180	163	180	160	181	161	170	161	270	161	117	165	176	162	177
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	8	10	9	9	8	10	10	10	8	11	9	11	9	10	9	5	9	11	9	10
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	97	314	143	378	164	423	161	439	158	434	157	452	148	381	130	215	156	437	136	411
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,074	2,263	1,417	2,253	1,534	2,499	1,561	2,610	1,541	2,616	1,525	2,596	1,458	2,210	1,376	1,264	1,554	2,601	1,333	2,480
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	577	698	654	695	629	686	628	694	635	699	639	689	660	693	718	616	622	688	750	719
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	291	667	365	648	387	689	388	706	401	687	398	723	381	716	375	746	381	696	384	716
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	712	1,647	621	1,632	785	1,946	733	1,971	761	1,925	742	1,927	694	1,636	648	1,386	780	1,935	760	1,928
41 US 50 EB: 5th St Off-ramp	Diverge	193	823	225	785	240	792	234	814	235	807	235	792	229	768	225	689	237	787	238	793
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	317	471	353	463	410	541	405	540	397	547	392	471	354	478	342	425	395	536	386	575
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	2,372	2,998	2,828	2,914	2,913	2,930	2,909	2,957	2,908	3,002	2,883	2,991	2,854	2,986	2,841	2,820	2,891	2,907	2,917	2,895

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	706	438	727	505	753	350	764	355	750	363	751	337	750	330	736	301	756	345	744	382
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	184	785	238	550	259	743	260	719	260	719	262	693	245	761	244	733	258	722	245	708
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	503	1,072	627	1,205	648	1,079	658	1,066	646	1,062	634	1,066	631	1,223	605	1,108	668	1,068	646	1,047
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	702	1,129	713	1,149	754	1,085	750	1,061	751	1,057	744	1,059	737	1,139	736	1,130	753	1,076	745	1,083
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	653	673	669	781	692	834	685	811	689	798	686	809	675	797	677	782	693	823	680	816



I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	25	49	27	48	29	47	27	47	27	48	27	46	28	46	26	2	27	48	27	49
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	995	1,424	1,102	1,412	1,069	1,060	1,051	981	1,063	1,035	1,046	1,002	1,165	1,405	1,323	57	1,061	1,023	1,075	1,047
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	332	333	369	314	377	318	361	323	357	323	358	322	389	316	427	12	364	320	364	316
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	388	429	421	431	393	412	399	414	410	418	408	400	417	444	468	92	404	409	407	393
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	306	159	306	159	309	150	302	153	307	155	307	157	300	190	292	59	305	164	307	146
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	7	12	7	10	7	10	7	10	6	10	7	10	7	10	7	3	8	10	7	10
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	276	409	360	416	389	450	392	449	389	471	385	450	340	436	261	284	396	454	346	348
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,688	2,283	1,914	2,424	2,054	2,613	2,035	2,557	2,039	2,480	2,054	2,541	1,917	2,455	1,781	1,432	2,068	2,713	1,800	2,378
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	828	829	819	867	860	848	870	879	879	870	888	858	794	853	788	775	867	832	1,028	802
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	833	954	947	1,043	1,135	1,033	1,081	1,092	1,107	1,094	1,073	1,087	1,120	1,098	758	998	1,114	1,050	1,063	941
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	1,213	1,329	1,149	1,399	960	1,663	1,098	1,659	982	1,659	959	1,643	933	1,397	899	1,210	973	1,696	994	1,579
41 US 50 EB: 5th St Off-ramp	Diverge	671	1,101	573	1,007	602	1,001	615	1,008	619	1,038	612	1,036	562	1,006	564	877	612	1,014	620	975
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	435	586	480	580	503	671	530	612	522	701	521	683	510	607	496	595	529	722	494	615
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	3,260	2,893	3,396	2,751	3,169	2,762	3,214	2,866	3,185	2,903	3,170	2,916	3,139	2,805	3,152	2,605	3,247	2,907	3,143	2,871

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	899	451	930	493	932	364	943	354	946	335	928	358	923	449	923	274	928	366	911	313
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	385	1,127	446	982	497	889	501	855	497	799	515	826	488	1,045	471	1,052	501	884	473	816
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	790	1,458	920	1,543	948	1,285	959	1,250	936	1,270	933	1,249	923	1,466	853	1,303	950	1,284	965	1,262
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	1,342	1,122	1,365	1,156	1,362	954	1,386	921	1,368	868	1,352	919	1,359	1,142	1,379	1,122	1,398	958	1,373	959
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	901	589	888	688	903	721	899	680	887	656	917	678	909	677	895	690	897	722	923	683

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	19	37	20	38	21	38	21	37	15	38	20	37	21	38	21	9	21	40	21	34
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	1,005	1,243	1,225	1,330	1,102	1,024	1,081	987	812	986	1,081	1,001	1,204	1,283	1,355	206	1,090	1,032	1,094	774
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	345	214	417	225	378	213	373	208	280	200	362	195	413	211	430	62	372	211	382	162
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	610	534	627	539	611	533	620	514	523	512	607	508	620	516	658	231	617	526	614	450
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	375	208	385	185	366	203	367	194	315	186	363	189	366	243	386	93	360	203	364	168
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	9	9	10	8	10	7	10	6	9	7	10	6	10	8	9	4	11	7	9	7
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	375	508	506	552	555	589	559	566	527	536	593	566	500	566	422	438	543	581	484	543
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,854	2,717	2,168	2,755	2,306	2,925	2,360	2,823	2,078	2,757	2,333	2,764	2,169	2,743	2,112	1,905	2,334	3,085	2,102	2,655
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	866	994	841	935	862	980	863	903	823	901	886	904	850	951	852	878	845	970	1,030	879
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	1,243	1,211	1,328	1,241	1,353	1,266	1,310	1,167	1,277	1,152	1,394	1,143	1,347	1,371	1,279	1,202	1,357	1,255	1,371	1,154
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	1,402	1,450	1,071	1,457	1,205	1,749	1,174	1,632	1,158	1,556	1,178	1,571	1,088	1,496	1,038	1,270	1,156	1,713	1,115	1,521
41 US 50 EB: 5th St Off-ramp	Diverge	785	1,234	710	1,155	747	1,233	749	1,178	721	1,157	721	1,161	731	1,158	693	956	720	1,211	709	1,073
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	585	981	467	950	549	1,069	534	1,043	523	1,078	533	1,021	490	939	457	734	505	1,076	503	973
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	3,661	3,244	3,185	3,197	3,403	3,141	3,246	3,182	3,279	3,268	3,222	3,210	3,201	3,283	3,294	2,822	3,199	3,084	3,249	3,105

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	743	516	911	364	932	376	951	366	907	371	931	351	928	361	933	285	927	360	922	363
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	515	1,421	538	1,284	587	1,308	592	1,255	558	1,255	596	1,241	555	1,355	542	1,210	581	1,325	583	1,263
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	966	1,397	1,050	1,427	1,081	1,626	1,085	1,618	1,031	1,580	1,091	1,588	1,054	1,502	1,007	1,316	1,094	1,673	1,073	1,693
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	1,375	1,825	1,370	1,737	1,410	1,687	1,421	1,680	1,424	1,706	1,406	1,663	1,398	1,790	1,431	1,644	1,433	1,661	1,422	1,660
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	811	668	821	712	844	789	848	775	840	777	842	766	852	755	829	669	848	772	850	766

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	20	24	19	26	17	26	18	26	20	26	17	24	19	26	18	7	16	23	18	23
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	631	720	751	820	667	599	664	531	660	550	657	526	737	810	834	361	668	581	676	566
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	200	165	236	202	223	168	221	151	219	154	219	148	230	176	248	90	222	151	217	166
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	509	505	525	628	501	554	501	533	514	551	513	524	557	640	576	365	508	527	500	548
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	285	299	288	308	287	290	280	274	279	273	285	266	290	476	298	189	274	270	276	264
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	11	11	11	9	12	7	11	8	11	7	11	6	12	9	11	13	11	9	12	9
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	242	478	338	563	406	621	408	630	393	654	388	657	384	581	328	543	400	616	342	654
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,439	2,597	1,679	3,046	1,864	3,358	1,886	3,255	1,849	3,365	1,836	3,211	1,797	3,024	1,759	2,262	1,917	3,373	1,622	3,316
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	582	675	579	675	601	689	582	677	583	694	626	665	621	707	730	736	581	682	765	1,067
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	624	674	690	777	742	719	725	716	726	728	767	711	704	837	763	815	738	709	727	1,074
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	1,079	1,605	920	1,644	1,078	1,847	1,023	1,784	978	1,824	1,082	1,802	895	1,672	889	1,405	1,075	1,844	989	1,987
41 US 50 EB: 5th St Off-ramp	Diverge	394	751	413	767	444	778	447	767	407	789	431	777	394	769	383	651	447	770	420	892
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	559	843	536	791	618	955	618	937	542	904	601	833	486	797	501	683	602	928	586	1,044
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	3,350	3,396	3,435	3,308	3,597	3,267	3,485	3,287	3,212	3,409	3,430	3,338	3,048	3,390	3,321	2,888	3,553	3,231	3,471	3,120

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	479	554	455	182	467	386	470	388	458	408	465	375	459	382	461	272	464	365	462	408
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	361	956	436	1,238	487	1,118	492	1,099	490	1,167	493	1,063	473	1,069	468	942	489	1,085	460	1,101
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	592	1,182	729	1,494	759	1,454	765	1,446	755	1,503	734	1,474	744	1,512	713	1,438	760	1,470	747	1,505
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	929	1,736	928	1,832	972	1,720	967	1,706	962	1,757	947	1,712	957	1,828	974	1,744	987	1,727	964	1,724
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	665	581	655	631	688	670	681	659	686	665	674	649	672	660	678	630	684	664	682	666

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	632	639	536	653	693	637	703	637	686	633	698	639	718	637	477	350	694	634	695	615
103 US 50 WB: 10th St Off-ramp	Diverge	640	639	699	633	726	622	712	619	721	619	716	626	710	646	501	329	724	613	713	615
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,127	3,627	3,421	3,612	3,405	3,582	3,442	3,579	3,426	3,579	3,424	3,531	3,319	3,722	2,034	1,951	3,447	3,575	3,418	3,560
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	822	1,864	1,218	1,512	1,450	1,463	1,434	1,439	1,441	1,446	1,453	1,499	1,266	1,621	864	1,100	1,434	1,434	1,412	1,509
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,915	1,641	1,920	1,636	1,904	1,640	1,903	1,600	1,700	1,562	1,076	1,058	1,958	1,653	1,926	1,710
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,693	982	1,727	1,527																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	1,053	1,430	917	1,232	1,040	1,382	1,030	1,356	1,031	1,340	1,027	1,309	952	1,309	750	628	1,042	1,373	1,137	1,593
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	720	453	821	821	913	720	938	720	912	735	916	778	876	864	721	764	1,082	690	673	473
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	165	223	264	296	213	220	219	229	330	282	410	286	319	276	240	275	258	216	246	222
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	704	735	722	767	1,031	1,037	1,054	1,034	939	956	925	964	792	811	600	683	1,087	1,022	1,022	1,035
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	68	100																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	152	210																		
I-80 WB: Richards Blvd Off-ramp	Diverge			576	405	727	544	732	540	704	505	678	483	600	406	506	401	762	552	708	545
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	39	64																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	268	148	334	223	386	266	393	257	374	256	380	254	342	235	278	203	426	251	377	267
145 I-80 WB: SR 113 Off-ramp	Diverge	507	795	601	776	753	974	788	962	738	926	729	869	633	811	558	728	772	922	753	962
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	43	41	43	43	42	43	40	43	43	45	42	40	44	41	45	42	44	44	43	43
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	159	180	165	186	164	188	171	183	170	183	174	177	166	182	141	163	178	190	167	177

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	486	1,032	548	1,140	554	1,172	556	1,173	550	1,160	541	1,169	548	1,160	561	1,177	536	1,157	552	1,164
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	2,914	3,492	3,101	3,415	3,269	3,484	3,220	3,497	3,273	3,463	3,253	3,464	3,195	3,460	3,292	3,461	3,205	3,503	3,237	3,508
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	336	406	346	443	353	450	353	457	348	454	353	464	353	457	352	464	351	452	350	470
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,284	886	1,251	950	1,250	961	1,296	972	1,219	957	1,257	948	1,406	989	1,343	1,002	1,385	966	1,285	979
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	739	1,609	556	1,518	654	1,657	676	1,678	669	1,649	664	1,620	625	1,583	654	1,555	739	1,675	759	1,825
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				



I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	931	605	983	562	988	503	1,002	522	994	538	992	546	1,002	512	341	387	995	524	980	563
103 US 50 WB: 10th St Off-ramp	Diverge	1,176	695	1,243	632	1,255	627	1,270	637	1,273	667	1,263	677	1,280	606	392	449	1,264	651	1,242	689
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,015	3,160	3,269	2,918	3,257	2,695	3,338	2,706	3,340	2,854	3,338	2,842	3,380	2,676	1,329	2,058	3,293	2,806	3,241	2,958
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	1,373	1,972	1,572	1,520	1,630	1,502	1,640	1,515	1,638	1,584	1,641	1,543	1,670	1,453	596	1,283	1,619	1,539	1,622	1,566
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,779	1,839	1,776	1,831	1,779	1,849	1,762	1,787	1,686	1,660	803	1,306	1,772	1,899	1,751	1,972
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,599	1,281	1,662	1,728																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	1,341	1,624	1,194	1,404	1,301	1,545	1,300	1,567	1,287	1,510	1,292	1,463	1,248	1,457	812	1,288	1,303	1,587	1,411	1,643
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	861	400	826	739	877	782	901	770	903	747	903	740	853	756	621	668	1,007	763	724	420
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	244	273	394	371	390	283	406	300	440	359	508	308	499	392	387	374	380	259	367	300
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	774	893	735	920	1,045	1,302	1,075	1,291	1,018	1,224	990	1,280	804	974	614	903	1,089	1,311	1,066	1,327
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	226	94																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	247	200																		
I-80 WB: Richards Blvd Off-ramp	Diverge			748	411	806	574	890	580	812	570	790	503	715	423	555	398	924	607	798	566
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	83	64																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	332	195	407	258	476	327	499	321	467	309	484	299	418	266	354	244	520	314	490	320
145 I-80 WB: SR 113 Off-ramp	Diverge	755	866	830	843	1,016	1,001	1,001	1,024	942	1,007	979	950	863	867	718	771	996	973	989	1,049
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	52	43	48	42	52	37	51	39	47	37	50	37	47	39	47	38	54	41	46	39
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	197	167	194	166	205	173	200	167	198	175	205	171	197	167	166	153	201	176	203	168

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,012	1,174	987	1,279	845	1,332	1,049	1,325	845	1,319	927	1,321	1,105	1,337	1,011	1,351	1,099	1,328	885	1,323
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	3,507	3,467	3,128	3,421	2,884	3,507	3,456	3,490	2,873	3,505	3,057	3,495	3,553	3,492	3,192	3,555	3,534	3,505	2,911	3,506
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	759	463	628	558	562	531	683	542	574	547	624	554	739	548	722	562	765	564	554	565
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,499	1,221	1,324	1,261	1,287	1,276	1,393	1,266	1,239	1,258	1,317	1,259	1,449	1,318	1,377	1,215	1,517	1,279	1,256	1,293
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	1,571	1,848	1,071	1,717	1,184	1,898	1,284	1,905	1,192	1,864	1,192	1,859	1,191	1,776	1,028	1,614	1,387	1,901	1,393	2,034
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	960	928	944	758	961	660	941	597	950	709	948	635	1,021	616	572	443	952	548	951	668
103 US 50 WB: 10th St Off-ramp	Diverge	1,177	827	1,163	697	1,174	601	1,150	559	1,160	668	1,155	578	1,175	533	676	376	1,172	535	1,185	633
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,103	3,586	3,108	3,005	3,190	2,729	3,130	2,542	3,120	2,853	3,136	2,558	3,166	2,492	1,825	1,781	3,154	2,492	3,180	2,735
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	1,563	2,322	1,668	1,566	1,766	1,540	1,746	1,468	1,734	1,519	1,741	1,484	1,665	1,356	976	1,237	1,768	1,456	1,748	1,534
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,570	2,017	1,567	1,953	1,555	1,983	1,548	1,804	1,493	1,647	1,024	1,437	1,551	1,936	1,603	2,244
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,390	1,459	1,502	1,841																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	1,172	1,386	1,130	1,127	1,166	1,211	1,143	1,174	1,174	1,191	1,156	1,134	1,148	1,130	983	1,023	1,153	1,189	1,291	1,390
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	815	400	837	710	888	665	880	642	885	683	856	675	839	721	655	629	999	637	672	432
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	178	428	346	544	283	407	298	438	365	485	479	553	371	497	377	499	268	431	308	426
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	851	1,089	793	1,112	1,119	1,491	1,101	1,487	1,035	1,409	993	1,397	849	1,136	646	998	1,055	1,493	1,090	1,484
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	306	139																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	351	226																		
I-80 WB: Richards Blvd Off-ramp	Diverge			1,166	441	1,312	602	1,336	604	1,263	573	1,255	525	1,161	448	830	432	1,318	601	1,329	611
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	151	63																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	424	182	474	258	555	311	569	301	563	303	550	292	494	263	406	251	498	298	543	304
145 I-80 WB: SR 113 Off-ramp	Diverge	1,053	1,081	1,097	1,036	1,184	1,239	1,253	1,232	1,186	1,184	1,159	1,139	1,108	1,045	920	947	1,224	1,180	1,186	1,222
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	41	35	39	32	40	30	38	29	37	31	39	33	39	30	41	32	36	31	39	29
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	153	199	159	198	140	194	145	192	145	195	141	194	144	189	129	165	135	194	140	197

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,153	1,345	829	1,448	828	1,488	962	1,505	839	1,482	828	1,480	1,060	1,493	971	1,508	1,000	1,504	834	1,484
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	3,378	3,375	2,462	3,368	2,462	3,467	2,764	3,475	2,523	3,471	2,528	3,459	2,958	3,433	2,784	3,469	2,840	3,480	2,508	3,490
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	800	515	623	588	615	602	665	615	644	605	623	584	730	600	706	514	610	613	635	602
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,441	1,182	1,196	1,284	1,245	1,325	1,319	1,326	1,269	1,311	1,248	1,259	1,412	1,346	1,329	1,142	1,158	1,341	1,280	1,344
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	1,583	1,718	1,159	1,740	1,366	1,865	1,405	1,875	1,371	1,792	1,323	1,789	1,331	1,834	1,214	1,527	1,273	1,871	1,620	2,114
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	759	904	742	812	733	784	729	722	711	811	721	698	789	720	605	499	718	771	728	681
103 US 50 WB: 10th St Off-ramp	Diverge	816	868	788	767	789	737	775	677	790	786	793	667	785	640	603	435	796	707	785	674
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,193	3,666	3,041	3,448	3,025	3,211	2,992	2,957	2,976	3,429	2,965	2,909	3,041	2,800	1,970	1,954	3,002	3,122	3,007	3,056
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	1,332	1,919	1,335	1,599	1,440	1,457	1,395	1,380	1,424	1,552	1,421	1,381	1,282	1,359	997	1,102	1,429	1,455	1,407	1,480
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,363	1,489	1,339	1,424	1,335	1,551	1,319	1,390	1,214	1,226	934	1,125	1,306	1,505	1,349	1,543
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,315	1,120	1,193	1,442																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	859	1,223	745	985	750	1,063	777	1,001	737	1,086	760	953	740	940	672	820	737	1,039	829	1,199
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	676	413	731	743	779	634	772	606	774	648	788	662	742	717	621	801	958	608	577	426
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
123 I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
124 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	174	321	298	398	218	317	228	314	322	397	432	386	291	356	271	485	258	313	261	310
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	740	1,024	715	989	1,020	1,345	1,031	1,294	933	1,261	890	1,221	788	983	630	1,020	1,060	1,362	1,003	1,314
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	151	127																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	312	229																		
I-80 WB: Richards Blvd Off-ramp	Diverge			1,140	425	1,287	590	1,287	572	1,252	554	1,211	501	1,157	401	869	490	1,363	578	1,295	566
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	134	68																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	326	142	421	204	467	233	489	218	469	227	461	226	426	204	362	223	489	223	462	237
145 I-80 WB: SR 113 Off-ramp	Diverge	810	871	931	856	1,075	1,013	1,105	972	1,066	969	1,043	916	996	840	905	875	1,156	974	1,081	990
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	41	32	42	31	43	31	45	32	42	31	42	27	42	31	42	33	41	34	40	33
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	117	139	110	140	114	141	119	145	117	142	117	138	115	135	106	147	120	141	114	139

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	695	1,096	971	1,195	965	1,231	1,059	1,243	1,017	1,238	1,030	1,226	1,011	1,222	1,155	1,249	909	1,245	964	1,244
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	2,766	3,023	3,398	3,216	3,584	3,323	3,868	3,325	3,784	3,314	3,767	3,287	3,678	3,296	4,013	3,239	3,335	3,328	3,545	3,319
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	448	417	557	481	598	497	630	505	610	505	609	508	618	503	630	581	594	515	588	508
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,052	869	1,170	996	1,257	1,005	1,278	1,021	1,220	1,000	1,228	1,001	1,382	1,066	1,312	1,270	1,373	1,019	1,241	1,035
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	974	1,048	931	1,035	1,149	1,123	1,132	1,130	1,142	1,096	1,129	1,094	1,090	1,117	1,027	1,502	1,229	1,110	1,315	1,260
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9		
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
1 I-80 EB: Pedrick Rd On-ramp	Merge	B / 17	C / 25	B / 17	C / 24	B / 17	C / 23	B / 17	C / 23	B / 18	C / 23	B / 17	C / 23	B / 17	C / 23	B / 17	F / 55	B / 17	C / 23	B / 18	C / 22	
2 I-80 EB: Pedrick Rd to Lane Add	Basic	B / 20	D / 28	C / 20	C / 27	C / 20	C / 27	C / 20	C / 27	C / 20	C / 27	C / 20	C / 26	B / 20	C / 27	B / 19	F / 67	C / 20	C / 26	C / 21	C / 26	
3 I-80 EB: Lane Add to Kidwell Rd	Basic	B / 15	C / 21	B / 15	B / 20	B / 15	B / 20	B / 15	C / 20	B / 15	C / 20	B / 15	B / 19	B / 15	B / 20	B / 14	F / 68	B / 15	B / 19	B / 15	B / 19	
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	A / 10	B / 15	A / 10	B / 14	A / 10	B / 14	A / 10	B / 14	A / 10	B / 14	A / 10	B / 13	A / 10	B / 14	A / 9	F / 85	A / 10	B / 13	B / 10	B / 13	
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B / 14	C / 20	B / 15	B / 19	B / 15	B / 19	B / 15	B / 19	B / 15	B / 20	B / 15	B / 19	B / 15	B / 19	B / 14	F / 97	B / 15	B / 19	B / 15	B / 19	
6 I-80 EB: Kidwell Rd to SR 113	Weave	B / 12	B / 16	B / 12	B / 16	B / 12	B / 16	B / 12	B / 16	B / 12	B / 16	B / 12	B / 15	B / 12	B / 15	B / 12	F / 72	B / 12	B / 15	B / 12	B / 15	
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B / 12	B / 15	B / 12	B / 20	B / 13	B / 16	B / 13	B / 16	B / 13	B / 16	B / 13	B / 15	B / 12	C / 22	B / 11	F / 125	B / 13	B / 15	B / 13	B / 15	
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B / 11	B / 15	B / 11	E / 39	B / 11	B / 15	B / 12	B / 15	B / 11	B / 15	B / 11	B / 15	B / 11	F / 45	B / 10	F / 88	B / 11	B / 15	B / 11	B / 15	
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B / 12	B / 14	B / 12	F / 85	B / 12	C / 21	B / 12	B / 15	B / 12	B / 15	B / 12	B / 16	B / 12	F / 79	B / 11	F / 105	B / 12	B / 15	B / 12	B / 15	
10 I-80 EB: SR 113 On-ramp	Basic	B / 10	B / 15	A / 10	F / 86	B / 11	F / 69	B / 11	F / 51	B / 11	C / 27	B / 11	D / 31	B / 10	F / 89	A / 9	F / 102	B / 11	F / 45	B / 11	E / 40	
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B / 11	C / 24	B / 11	F / 64	B / 12	F / 64	B / 12	F / 61	B / 12	D / 34	B / 12	E / 38	B / 11	F / 68	B / 10	F / 93	B / 12	F / 54	B / 12	F / 44	
12 I-80 EB: Old Davis Rd On-ramp	Merge	A / 6	F / 58	A / 6	F / 48	A / 6	F / 59	A / 5	F / 57	A / 5	E / 37	A / 5	E / 40	A / 5	F / 57	A / 6	F / 116	A / 5	F / 47	A / 6	F / 44	
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B / 12	F / 62	B / 12	F / 74	B / 13	F / 73	B / 13	F / 71	B / 13	F / 63	B / 13	F / 65	B / 12	F / 75	B / 11	F / 117	B / 13	F / 63	B / 13	F / 62	
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B / 15	F / 61	B / 15	F / 73											B / 14	F / 83					
I-80 EB: Lane Drop to Richards Blvd	Basic					B / 16	F / 58	B / 16	F / 56	B / 16	F / 54	B / 16	F / 55	B / 15	F / 67			B / 16	F / 54	B / 16	F / 56	
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	C / 20	F / 64	B / 20	F / 64											B / 20	F / 100					
16 I-80 EB: Richards Blvd Off-ramp	Diverge	C / 22	F / 65	C / 22	F / 65	B / 16	F / 72	B / 16	F / 68	B / 16	F / 70	B / 16	F / 72	B / 15	F / 86	B / 19	F / 99	B / 16	F / 68	B / 16	F / 70	
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	B / 19	F / 68	B / 19	F / 69	B / 19	F / 68	B / 19	F / 68	B / 19	F / 67	B / 19	F / 70	B / 18	F / 71	C / 24	F / 111	B / 19	F / 70	B / 19	F / 68	
18 I-80 EB: Richards Blvd On-ramp	Merge	B / 17	F / 62	B / 17	F / 63	B / 16	F / 66	B / 15	F / 66	B / 16	F / 65	B / 16	F / 65	B / 17	F / 64	C / 21	F / 98	B / 16	F / 68	B / 16	F / 67	
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	B / 20	F / 66	B / 20	F / 67	B / 19	F / 69	B / 18	F / 69	B / 19	F / 69	B / 19	F / 70	B / 20	F / 68	C / 24	F / 97	B / 19	F / 69	B / 19	F / 69	
20 I-80 EB: Mace Blvd Off-ramp	Diverge	B / 13	F / 45	B / 13	F / 45	B / 12	F / 45	B / 12	F / 45	B / 12	F / 46	B / 12	F / 46	B / 13	F / 45	B / 16	F / 50	B / 12	F / 45	B / 12	F / 45	
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	B / 19	F / 64	B / 19	F / 64	B / 18	F / 63	B / 17	F / 63	B / 18	F / 64	B / 18	F / 63	B / 19	F / 64	C / 23	F / 100	B / 18	F / 63	B / 18	F / 64	
22 I-80 EB: Mace Blvd SB On-ramp	Merge	B / 18	F / 73	B / 18	F / 75	B / 17	F / 85	B / 16	F / 85	B / 17	F / 88	B / 17	F / 89	B / 19	F / 83	C / 27	F / 151	B / 17	F / 87	B / 17	F / 86	
23 I-80 EB: Mace Blvd NB On-ramp	Merge	C / 20	F / 47	C / 21	F / 47	B / 19	F / 50	B / 19	F / 50	B / 19	F / 50	B / 19	F / 50	C / 21	F / 48	C / 25	F / 141	B / 19	F / 50	B / 19	F / 50	
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	C / 23	C / 27	C / 23	E / 35	C / 22	C / 27	C / 21	C / 27	C / 22	C / 27	C / 21	C / 27	C / 23	D / 33	C / 27	F / 91	C / 22	C / 27	C / 22	C / 27	
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C / 22	D / 32	C / 22	F / 46	B / 20	C / 27	B / 19	D / 28	C / 20	C / 27	B / 20	C / 26	C / 23	F / 46	C / 27	F / 93	B / 20	C / 27	C / 20	C / 27	
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	C / 23	F / 46	C / 23	F / 50	C / 21	C / 27	C / 19	C / 28	C / 21	C / 28	C / 21	C / 27	C / 23	F / 50	C / 27	F / 93	C / 21	C / 27	C / 21	D / 29	
27 I-80 EB: County Rd 32B On-ramp	Merge	C / 21	F / 52	C / 22	F / 52	B / 20	D / 30	B / 19	D / 33	B / 20	E / 37	C / 20	D / 30	C / 22	F / 52	D / 29	F / 130	B / 19	D / 31	B / 20	E / 36	
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	C / 24	D / 29	C / 24	D / 29	C / 22	D / 31	C / 22	D / 30	C / 22	D / 30	C / 22	D / 29	C / 24	D / 29	D / 29	F / 113	C / 22	D / 31	C / 23	E / 38	
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	C / 27	D / 30	C / 24	D / 31	C / 22	F / 49	C / 22	D / 34	C / 22	D / 31	C / 22	D / 33	C / 24	D / 30	D / 30	F / 116	C / 22	E / 40	C / 23	F / 54	
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	C / 24	C / 27	C / 23	C / 28	C / 22	F / 51	C / 22	D / 31	C / 22	D / 31	C / 22	D / 30	C / 23	C / 28			C / 21	E / 36	C / 23	F / 55	
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															D / 29	F / 119					
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															B / 20	F / 109					
31 I-80 EB: Enterprise Blvd to US 50	Weave	B / 13	B / 17	B / 14	B / 17	B / 17	F / 64	B / 17	D / 30	B / 17	C / 25	B / 17	C / 22	B / 17	C / 22	B / 15	F / 88	C / 20	F / 49	B / 16	F / 56	
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B / 13	B / 16	B / 14	C / 20											B / 16	F / 110					
US 50 EB: I-80 Off to On-ramp	Basic					B / 18	F / 95	B / 18	F / 53	B / 18	F / 45	B / 18	E / 42	B / 19	F / 50			B / 18	F / 79	B / 17	F / 99	
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	B / 17	C / 26	B / 18	D / 31											C / 24	F / 111					
34 US 50 EB: I-80 to Harbor Blvd	Weave	B / 14	D / 32	B / 14	F / 44	B / 14	F / 102	B / 14	F / 96	B / 14	F / 90	B / 14	F / 59	B / 14	F / 81	B / 16	F / 107	B / 14	F / 101	B / 14	F / 105	
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	B / 14	F / 56	B / 14	F / 59	B / 14	F / 90	B / 14	F / 89	B / 14	F / 89	B / 14	F / 78	B / 14	F / 80	B / 16	F / 93	B / 14	F / 90	B / 13	F / 89	
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	B / 14	F / 59	B / 14	F / 51	B / 14	F / 63	B / 14	F / 62	B / 15	F / 61	B / 14	F / 60	B / 15	F / 58	B / 16	F / 61	B / 14	F / 64	B / 14	F / 65	
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	C / 20	F / 60	B / 20	F / 54	C / 21	F / 72	C / 20	F / 71	C / 21	F / 69	C / 20	F / 69	C / 21	F / 59	C / 27	F / 75	C / 21	F / 73	C / 20	F / 75	
38 US 50 EB: Jefferson Blvd On-ramp	Merge	C / 20	F / 46	C / 21	E / 43	C / 22	F / 53	C / 21	F / 52	C / 22	F / 52	C / 21	F / 52	C / 21	F / 51	C / 25	F / 63	B / 19	F / 54	C / 21	F / 56	
39 US 50 EB: S River Rd On-ramp	Merge	B / 18	F / 58	B / 18	F / 60	B / 18	D / 32	B / 18	D / 31	B / 18	D / 30	B / 18	D / 30	B / 17	D / 31	C / 26	F / 80	B / 18	E / 37	B / 18	E / 41	
40 US 50 EB: I-5 Off-ramp	Basic	B / 19	F / 51	B / 19	F / 55	C / 24	E / 38	C / 24	D / 32	C / 25	D / 32	C / 24	D / 35	C / 25	D / 34	D / 30	F / 48	C / 25	F / 56	C / 25	F / 55	
41 US 50 EB: 5th St Off-ramp	Diverge	B / 14	C / 27	B / 14	D / 32	D / 29	F / 46	D / 29	D / 35	D / 29	D / 33	C / 28	F / 52	D / 28	F / 46	C / 23	C / 23	D / 28	F / 83	D / 29	F / 52	
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	B / 18	F / 43	C / 20	F / 51																	
US 50 EB: 5th St Off to I-5 On-ramp	Basic					D / 31	F / 47	D / 29	E / 43	D / 29	E / 41	C / 27	F / 49	D / 30	E / 42	C / 24	B / 19	D / 30	F / 59	D / 28	D / 34	
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	C / 25	E / 42																			
US 50 EB: Lane Drop to HOV Lane Add	Basic			D / 31	F / 47																	
US 50 EB: HOV Lane Add to I-5 On	Basic			D / 31	D / 32																	
44 US 50 EB: I-5 to 15th St	Weave	D / 28	F / 56	D / 32	F / 53	D / 33	F / 57	D / 34	F / 62	D / 32	F / 75	D / 32	F / 73	D / 33	F / 56	D / 30	C / 20	D / 33	F / 57	D / 32	F / 57	
45 US 50 EB: 15th St to 11th St	Basic	D / 29	F / 48	D / 30	F / 47	D / 32	F / 50	D / 34	F / 52	D / 34	F / 53	D / 33	F / 53	D / 32	F / 50	D / 30	C / 27	D / 31	F / 50	D / 31	F / 50	
46 US 50 EB: 11th St On-ramp	Merge	D / 32	F / 86	E / 36	F / 85	E / 38	F / 94	E / 40	F / 95	E / 40	F / 95	E / 39	F / 95	E / 38	F / 97	E / 36	F / 56	E / 36	F / 96	E / 37	F / 93	
47 US 50 EB: 16th St to SR 51/SR 99	Weave	C / 24	C / 24	C / 23	C / 23	C / 23	C / 23	C / 23	C / 23	C / 24	C / 23	C / 24	C / 23	C / 23	C / 23	C / 23	C / 24	C / 23	C / 23	C / 23	C / 23	C / 24

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9		
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
61 I-80 EB: US 50 Off to On-ramp	Basic	A / 11	C / 19	B / 13	C / 18	B / 14	C / 21	B / 14	C / 22	B / 14	C / 22	B / 14	C / 22	B / 13	C / 18			B / 11	B / 16	B / 12	C / 21	
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic													B / 13	B / 11							
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic													B / 12	A / 11							
62 I-80 EB: US 50 On-ramp	Basic/Merge	B / 16	C / 21	B / 17	C / 20	B / 17	C / 22	B / 17	C / 22	B / 17	C / 22	B / 17	C / 22	B / 17	C / 20	C / 20	B / 16	B / 16	B / 16	C / 19	B / 17	C / 23
63 I-80 EB: US 50 to Reed Ave	Basic	B / 15	C / 21	B / 16	C / 19	B / 16	C / 21	B / 16	C / 21	B / 17	C / 21	B / 16	C / 21	B / 16	C / 19	C / 23	C / 20	B / 16	C / 19	B / 16	D / 30	
64 I-80 EB: Reed Ave Off-ramp	Diverge	B / 16	C / 22	B / 17	C / 20	B / 17	C / 21	B / 17	C / 22	B / 17	C / 25	B / 17	C / 21	B / 18	C / 20	C / 22	C / 20	B / 17	C / 21	B / 17	D / 33	
65 I-80 EB: Reed Ave Off to On-ramp	Basic	A / 10	C / 19	A / 11	B / 17	A / 10	C / 18	A / 10	C / 25	A / 10	D / 33	A / 10	D / 35	A / 11	B / 18	B / 14	B / 16	A / 10	D / 31	A / 10	F / 47	
66 I-80 EB: Reed Ave On-ramp	Merge	B / 11	D / 26	B / 12	C / 25	A / 11	F / 61	A / 11	F / 93	A / 11	F / 92	A / 11	F / 101	B / 12	D / 27	B / 16	D / 33	A / 11	F / 92	B / 11	F / 106	
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 12	C / 26	B / 13	C / 24											B / 17	D / 28					
I-80 EB: Reed Ave to W El Camino Ave	Basic					B / 13	F / 78	B / 13	F / 92	B / 13	F / 90	B / 13	F / 92	B / 13	C / 26			B / 12	F / 90	B / 13	F / 91	
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 12	C / 25	B / 13	C / 23											B / 11	B / 18					
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 12	D / 26	B / 12	C / 23	B / 12	F / 88	B / 12	F / 88	B / 12	F / 90	B / 12	F / 89	B / 13	C / 25	A / 9	B / 16	B / 12	F / 89	B / 12	F / 91	
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	A / 10	C / 20	A / 11	C / 19	A / 11	F / 96	A / 11	F / 96	B / 11	F / 97	B / 11	F / 96	B / 11	C / 19	A / 10	B / 14	A / 10	F / 96	A / 11	F / 98	
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	A / 10	B / 16	A / 11	B / 17	A / 11	F / 71	A / 11	F / 72	A / 11	F / 72	B / 11	F / 72	A / 11	C / 20	A / 10	B / 13	A / 11	F / 72	A / 11	F / 72	
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	A / 10	B / 17	A / 9	B / 14	A / 7	F / 59	A / 7	F / 58	A / 7	F / 58	A / 7	F / 58	A / 7	C / 19	A / 9	B / 12	A / 7	F / 58	A / 7	F / 59	
73 I-80 EB: W El Camino Ave to I-5	Basic	A / 11	C / 18	B / 11	C / 18	B / 12	F / 72	B / 12	F / 71	B / 12	F / 71	B / 12	F / 71	B / 12	D / 34	A / 11	B / 15	B / 11	F / 72	B / 11	F / 72	
74 I-80 EB: I-5 Off-ramp	Basic	A / 11	C / 18	B / 11	C / 19	B / 12	F / 52	B / 12	F / 51	B / 12	F / 51	B / 12	F / 50	B / 12	D / 34	A / 11	B / 15	B / 11	F / 51	B / 11	F / 51	
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	A / 10	C / 20	A / 10	C / 20	A / 11	F / 50	A / 11	F / 50	A / 11	F / 49	B / 11	F / 49	A / 11	E / 42	A / 10	B / 15	A / 11	F / 50	A / 11	F / 51	
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	B / 15	F / 55	B / 16	E / 45	B / 16	F / 90	B / 16	F / 90	B / 17	F / 88	B / 17	F / 89	B / 16	F / 85	B / 15	D / 33	B / 16	F / 90	B / 16	F / 90	
77 I-80 EB: I-5 SB On-ramp	Merge	B / 18	F / 69	C / 18	F / 48	C / 19	F / 74	C / 19	F / 76	C / 19	F / 73	C / 19	F / 73	C / 19	F / 75	C / 18	E / 41	C / 19	F / 74	C / 19	F / 73	
78 I-80 EB: I-5 to Truxel Rd	Weave	C / 20	E / 42	C / 19	E / 37	C / 20	E / 39	C / 20	E / 39	C / 20	E / 38	C / 20	E / 40	C / 20	E / 42	C / 20	D / 33	C / 20	E / 38	C / 20	E / 39	
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	C / 21	D / 28	C / 20	D / 29	C / 21	D / 28	C / 21	D / 31	C / 21	D / 29	C / 21	D / 32	C / 21	D / 28	C / 21	D / 27	C / 21	D / 28	C / 21	D / 32	
80 I-80 EB: Truxel Rd SB On-ramp	Basic	B / 16	C / 22	B / 15	C / 22	B / 16	D / 27	B / 16	D / 33	B / 16	D / 27	B / 16	D / 31	B / 16	C / 22	B / 16	C / 21	B / 16	C / 22	B / 16	D / 29	
81 I-80 EB: Truxel Rd NB On-ramp	Merge	B / 15	C / 21	B / 15	C / 21	B / 16	D / 34	B / 16	E / 42	B / 16	D / 34	B / 16	E / 38	B / 16	D / 27	B / 16	C / 22	B / 16	D / 30	B / 16	E / 36	
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	C / 18	E / 38	C / 18	D / 34	C / 19	E / 41	C / 19	F / 50	C / 19	E / 44	C / 19	F / 46	C / 19	F / 46	C / 19	D / 33	C / 19	F / 47	C / 19	E / 44	
83 I-80 EB: Northgate Blvd Off-ramp	Basic	C / 18	E / 39	B / 18	E / 38	C / 19	E / 38	C / 19	E / 40	C / 19	E / 39	C / 19	E / 39	C / 19	E / 38	C / 19	D / 33	C / 19	E / 40	C / 19	E / 39	



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9		
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
1 I-80 EB: Pedrick Rd On-ramp	Merge	C/23	C/22	C/23	C/22	C/24	C/22	C/24	C/22	C/24	C/22	C/24	C/22	C/24	C/22	C/24	F/135	C/24	C/23	C/23	C/24	
2 I-80 EB: Pedrick Rd to Lane Add	Basic	C/27	C/25	C/27	C/26	C/28	C/26	C/27	C/26	C/27	C/26	C/28	C/26	C/27	C/25	C/27	F/127	C/28	C/26	C/27	C/27	
3 I-80 EB: Lane Add to Kidwell Rd	Basic	B/20	B/19	B/20	B/19	C/20	B/19	C/20	B/19	C/20	B/19	C/20	B/19	C/20	B/19	B/20	F/115	C/20	B/19	C/20	B/20	
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	B/13	B/13	B/14	B/13	B/14	B/13	B/14	B/13	B/14	B/13	B/14	B/13	B/14	B/13	B/14	F/130	B/14	B/13	B/14	B/14	
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B/19	B/18	B/19	B/19	B/20	B/19	B/20	B/19	B/20	B/19	B/20	B/19	B/20	B/19	B/19	F/117	B/20	B/19	B/20	B/19	
6 I-80 EB: Kidwell Rd to SR 113	Weave	B/15	B/15	B/16	C/27	B/16	B/15	B/16	B/15	B/16	B/15	B/16	B/15	B/16	B/15	B/16	D/28	B/15	F/45	B/16	B/15	B/16
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B/15	B/13	B/15	F/80	B/15	C/20	B/15	B/18	B/15	B/15	B/15	B/15	B/15	B/15	B/15	F/83	B/14	F/76	B/15	B/20	B/15
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B/15	B/13	B/14	F/97	B/15	F/50	B/15	E/37	B/15	B/14	B/15	C/23	B/14	F/98	B/14	F/70	B/15	E/39	B/15	F/50	
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B/13	B/12	B/13	F/91	B/13	F/88	B/14	F/70	B/13	E/35	B/14	F/57	B/13	F/94	B/12	F/65	B/13	F/62	B/13	F/78	
10 I-80 EB: SR 113 On-ramp	Basic	B/13	C/25	B/12	F/85	B/13	F/87	B/13	F/87	B/13	F/74	B/13	F/78	B/12	F/88	B/11	F/54	B/13	F/78	B/13	F/91	
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B/14	E/38	B/13	F/64	B/14	F/67	B/14	F/67	B/14	F/66	B/14	F/66	B/13	F/68	B/12	E/40	B/14	F/69	B/14	F/70	
12 I-80 EB: Old Davis Rd On-ramp	Merge	A/9	F/85	A/9	F/47	A/8	F/59	A/8	F/59	A/8	F/59	A/7	F/59	A/7	F/56	A/9	F/125	A/8	F/55	A/7	F/57	
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B/15	F/66	B/15	F/76	B/16	F/75	B/16	F/74	B/16	F/73	B/15	F/75	B/14	F/76	B/13	F/84	B/16	F/69	B/16	F/73	
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B/19	F/62	B/19	F/74											B/17	F/81					
I-80 EB: Lane Drop to Richards Blvd	Basic					B/20	F/60	B/20	F/59	B/20	F/59	B/19	F/61	B/18	F/67			B/20	F/59	B/20	F/62	
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	C/26	F/65	C/26	F/64											C/25	F/98					
16 I-80 EB: Richards Blvd Off-ramp	Diverge	C/27	F/66	C/28	F/67	B/19	F/73	B/19	F/73	B/19	F/74	B/19	F/75	B/18	F/88	C/23	F/103	B/19	F/74	B/19	F/82	
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	C/23	F/69	C/22	F/71	C/22	F/72	C/22	F/71	C/22	F/70	C/22	F/71	C/21	F/72	C/28	F/112	C/22	F/72	C/22	F/74	
18 I-80 EB: Richards Blvd On-ramp	Merge	C/21	F/63	C/21	F/65	B/20	F/70	B/19	F/69	B/19	F/68	B/19	F/68	C/21	F/65	D/28	F/105	B/20	F/69	B/19	F/75	
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	C/26	F/66	C/25	F/67	C/23	F/70	C/22	F/70	C/23	F/69	C/22	F/70	C/23	F/68	F/60	F/98	C/23	F/70	C/22	F/75	
20 I-80 EB: Mace Blvd Off-ramp	Diverge	C/24	F/45	C/25	F/46	B/15	F/46	B/15	F/46	B/15	F/46	B/15	F/46	B/16	F/46	E/41	F/51	B/15	F/46	B/15	F/47	
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	F/46	F/64	F/48	F/65	C/21	F/64	C/21	F/64	C/21	F/64	C/20	F/63	C/22	F/65	F/67	F/101	C/21	F/64	C/21	F/70	
22 I-80 EB: Mace Blvd SB On-ramp	Merge	F/49	F/73	F/48	F/78	C/21	F/91	C/20	F/88	C/20	F/89	C/21	F/89	C/25	F/85	F/55	F/153	C/21	F/91	C/21	F/105	
23 I-80 EB: Mace Blvd NB On-ramp	Merge	C/26	F/49	D/28	F/51	C/24	F/51	C/23	F/51	C/24	F/50	C/23	F/50	C/25	F/49	C/27	F/141	C/24	F/51	C/24	F/73	
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	D/28	E/40	D/29	E/41	C/26	D/31	C/26	C/27	C/26	C/28	C/26	C/27	C/27	E/39	D/29	F/89	C/26	D/29	C/26	F/54	
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C/28	F/47	D/28	F/46	C/24	D/35	C/24	D/28	C/25	D/29	C/24	C/26	C/27	F/46	D/29	F/92	C/24	D/31	C/24	F/60	
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	D/28	F/51	D/29	F/50	C/26	E/39	C/25	D/30	C/26	D/31	C/25	C/26	C/27	F/50	D/29	F/92	C/26	D/31	C/25	F/64	
27 I-80 EB: County Rd 32B On-ramp	Merge	D/30	F/52	D/31	F/52	C/27	F/52	C/26	E/41	C/26	E/41	D/29	D/34	D/29	F/52	E/36	F/129	C/27	E/41	C/26	F/90	
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	D/31	D/29	D/31	D/29	D/29	F/64	D/28	F/63	D/29	F/58	D/29	F/55	D/30	D/29	D/32	F/111	D/29	F/61	D/28	F/83	
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	E/38	D/30	D/32	D/30	D/29	F/76	D/29	F/81	D/30	F/83	D/29	F/77	D/30	D/31	D/34	F/111	D/29	F/80	D/29	F/89	
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	D/31	C/27	D/29	C/27	C/28	F/69	C/28	F/72	D/28	F/74	C/28	F/71	D/28	C/28			C/26	F/69	C/28	F/83	
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															D/32	F/108					
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															C/21	F/98					
31 I-80 EB: Enterprise Blvd to US 50	Weave	B/16	B/17	B/17	B/16	C/20	F/84	C/20	F/67	C/20	F/63	C/20	F/60	C/20	D/32	B/16	F/74	C/24	F/90	B/19	F/76	
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B/18	E/39	B/16	C/26											B/17	F/108					
US 50 EB: I-80 Off to On-ramp	Basic					C/21	F/96	C/21	F/81	C/21	F/60	C/21	F/48	C/21	F/62			C/21	F/96	C/20	F/105	
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	D/32	F/60	C/22	E/40											C/26	F/110					
34 US 50 EB: I-80 to Harbor Blvd	Weave	F/49	F/66	B/19	F/52	B/19	F/102	B/19	F/101	B/19	F/97	B/19	F/73	B/18	F/86	C/20	F/106	B/19	F/103	B/19	F/105	
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	F/55	F/79	B/19	F/62	B/19	F/89	B/19	F/89	B/19	F/88	B/19	F/83	B/19	F/85	C/21	F/91	B/19	F/89	B/19	F/90	
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	E/40	F/57	B/19	F/53	C/21	F/61	B/18	F/60	B/19	F/60	B/18	F/60	B/18	F/58	C/22	F/58	B/18	F/61	C/20	F/69	
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	F/53	F/66	C/24	F/58	E/37	F/73	C/23	F/72	C/28	F/70	C/22	F/70	D/30	F/61	D/33	F/71	D/33	F/74	E/36	F/81	
38 US 50 EB: Jefferson Blvd On-ramp	Merge	F/60	F/51	C/25	F/43	F/49	F/57	C/27	F/57	D/35	F/52	C/24	F/53	F/59	F/52	E/36	F/61	E/36	F/54	F/51	F/66	
39 US 50 EB: S River Rd On-ramp	Merge	F/72	F/76	C/26	F/61	F/58	F/45	C/27	F/47	E/35	D/31	C/21	E/35	F/55	D/29	E/40	F/79	F/49	E/35	F/56	F/64	
40 US 50 EB: I-5 Off-ramp	Basic	F/49	F/66	E/35	F/63	F/49	F/58	E/36	F/65	E/39	D/33	D/32	E/43	F/65	D/32	E/42	F/52	F/49	F/46	F/52	F/81	
41 US 50 EB: 5th St Off-ramp	Diverge	D/33	E/37	D/31	E/37	F/53	F/86	F/45	F/94	F/53	F/48	E/42	F/60	F/85	F/44	D/29	D/32	F/60	F/73	F/59	F/58	
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	F/46	F/56	F/45	F/54																	
US 50 EB: 5th St Off to I-5 On-ramp	Basic					F/51	F/66	E/42	F/68	F/53	F/56	E/40	F/52	F/65	F/43	D/30	B/20	F/56	F/61	F/54	D/31	
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	F/56	F/55																			
US 50 EB: Lane Drop to HOV Lane Add	Basic			F/55	F/53																	
US 50 EB: HOV Lane Add to I-5 On	Basic			F/44	E/42																	
44 US 50 EB: I-5 to 15th St	Weave	E/38	F/56	E/35	F/52	E/39	F/57	E/40	F/60	E/40	F/70	E/40	F/67	E/39	F/56	E/37	C/23	E/39	F/57	E/40	F/56	
45 US 50 EB: 15th St to 11th St	Basic	E/37	F/48	D/32	F/46	D/34	F/50	E/38	F/52	E/37	F/53	E/37	F/52	E/36	F/50	E/35	E/35	D/34	F/50	D/35	F/50	
46 US 50 EB: 11th St On-ramp	Merge	F/45	F/97	E/41	F/92	F/53	F/110	F/55	F/97	F/56	F/100	F/58	F/99	F/56	F/107	F/57	F/116	F/51	F/99	F/56	F/99	
47 US 50 EB: 16th St to SR 51/SR 99	Weave	C/26	F/50	C/22	F/51	C/23	F/61	C/23	F/51	C/23	F/54	C/23	F/51	C/23	F/61	C/23	F/63	C/23	F/53	C/23	F/50	

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	B / 14	C / 19	B / 16	C / 20	B / 18	F / 86	B / 17	F / 89	B / 18	F / 92	B / 17	F / 96	B / 16	C / 20			B / 14	F / 88	B / 15	F / 67
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic													B / 15	B / 13						
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic													B / 14	B / 12						
62 I-80 EB: US 50 On-ramp	Basic/Merge	C / 19	E / 42	C / 20	C / 23	C / 20	F / 98	C / 20	F / 102	C / 20	F / 106	C / 20	F / 105	C / 20	E / 41	C / 23	C / 19	C / 18	F / 104	C / 20	F / 100
63 I-80 EB: US 50 to Reed Ave	Basic	C / 18	F / 62	C / 19	D / 30	C / 19	F / 100	C / 19	F / 104	C / 19	F / 106	C / 19	F / 105	C / 19	F / 63	D / 27	C / 24	C / 18	F / 104	C / 19	F / 102
64 I-80 EB: Reed Ave Off-ramp	Diverge	C / 19	F / 54	C / 21	D / 32	C / 20	F / 67	C / 19	F / 68	C / 20	F / 69	C / 20	F / 68	C / 21	F / 58	D / 27	C / 24	C / 19	F / 68	C / 20	F / 68
65 I-80 EB: Reed Ave Off to On-ramp	Basic	B / 13	F / 49	B / 13	D / 32	B / 13	F / 64	B / 13	F / 68	B / 13	F / 68	B / 13	F / 68	B / 13	F / 50	B / 16	C / 23	B / 12	F / 67	B / 13	F / 66
66 I-80 EB: Reed Ave On-ramp	Merge	B / 15	D / 31	B / 17	D / 28	B / 15	F / 116	B / 14	F / 122	B / 15	F / 121	B / 15	F / 120	B / 16	D / 32	C / 21	E / 45	B / 15	F / 118	B / 16	F / 119
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 16	D / 29	B / 18	D / 27											C / 22	D / 32				
I-80 EB: Reed Ave to W El Camino Ave	Basic					B / 17	F / 90	B / 16	F / 95	B / 16	F / 97	B / 17	F / 97	B / 18	D / 34			B / 16	F / 94	B / 17	F / 95
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 16	D / 28	B / 17	D / 26											B / 14	C / 20				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 16	D / 30	B / 17	D / 28	B / 16	F / 90	B / 16	F / 92	B / 17	F / 90	B / 17	F / 91	B / 17	E / 41	B / 13	C / 18	B / 16	F / 91	B / 16	F / 91
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	B / 13	C / 20	B / 14	C / 20	B / 13	F / 97	B / 13	F / 100	B / 14	F / 98	B / 14	F / 99	B / 14	E / 44	B / 12	B / 15	B / 13	F / 99	B / 14	F / 100
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	B / 13	B / 17	B / 14	B / 17	B / 14	F / 75	B / 14	F / 75	B / 14	F / 76	B / 14	F / 75	B / 14	F / 51	B / 13	B / 13	B / 14	F / 76	B / 14	F / 75
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	B / 16	C / 20	B / 13	B / 16	A / 11	F / 64	A / 11	F / 63	A / 11	F / 65	A / 10	F / 63	B / 11	F / 52	B / 12	B / 13	A / 11	F / 64	A / 11	F / 64
73 I-80 EB: W El Camino Ave to I-5	Basic	B / 16	D / 28	B / 16	C / 21	B / 16	F / 72	B / 16	F / 73	B / 16	F / 74	B / 16	F / 72	B / 17	F / 66	B / 15	B / 15	B / 16	F / 73	B / 17	F / 73
74 I-80 EB: I-5 Off-ramp	Basic	B / 16	D / 32	B / 16	C / 23	B / 16	F / 54	B / 16	F / 55	B / 16	F / 54	B / 16	F / 51	B / 16	F / 49	B / 15	B / 16	B / 16	F / 53	B / 16	F / 54
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	B / 16	E / 44	B / 15	D / 29	B / 15	F / 51	B / 15	F / 52	B / 16	F / 52	B / 15	F / 51	B / 15	F / 50	B / 14	B / 13	B / 15	F / 51	B / 15	F / 51
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	C / 23	F / 85	C / 24	F / 62	C / 25	F / 91	D / 30	F / 93	D / 33	F / 93	C / 24	F / 92	C / 25	F / 90	C / 25	C / 21	C / 24	F / 90	D / 27	F / 92
77 I-80 EB: I-5 SB On-ramp	Merge	D / 32	F / 73	E / 36	F / 59	E / 39	F / 78	E / 39	F / 84	E / 41	F / 89	D / 33	F / 81	E / 38	F / 75	E / 38	D / 30	E / 38	F / 79	E / 37	F / 82
78 I-80 EB: I-5 to Truxel Rd	Weave	D / 31	E / 41	D / 29	F / 50	D / 30	F / 54	D / 29	F / 63	D / 30	F / 65	D / 30	F / 61	D / 29	F / 53	D / 30	D / 34	D / 30	F / 53	D / 31	F / 57
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	D / 31	E / 37	D / 29	F / 60	D / 30	F / 69	D / 30	F / 81	D / 30	F / 80	D / 30	F / 78	D / 30	F / 68	D / 30	C / 26	D / 31	F / 65	D / 31	F / 73
80 I-80 EB: Truxel Rd SB On-ramp	Basic	C / 24	E / 44	C / 23	F / 74	C / 24	F / 76	C / 23	F / 83	C / 24	F / 82	C / 24	F / 82	C / 23	F / 74	C / 23	C / 20	C / 24	F / 77	C / 24	F / 79
81 I-80 EB: Truxel Rd NB On-ramp	Merge	C / 24	F / 51	C / 24	F / 79	C / 24	F / 76	C / 24	F / 78	C / 24	F / 77	C / 24	F / 77	C / 24	F / 77	C / 24	D / 30	C / 24	F / 75	C / 25	F / 77
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	D / 28	F / 57	D / 27	F / 61	D / 27	F / 61	D / 27	F / 62	D / 27	F / 62	D / 27	F / 61	D / 27	F / 61	D / 27	E / 45	D / 28	F / 61	D / 28	F / 61
83 I-80 EB: Northgate Blvd Off-ramp	Basic	D / 30	F / 51	D / 30	F / 51	D / 30	F / 50	D / 30	F / 51	D / 32	F / 51	D / 31	F / 51	D / 30	F / 50	D / 31	F / 47	D / 31	F / 50	D / 33	F / 50

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9			
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
1 I-80 EB: Pedrick Rd On-ramp	Merge	C/24	C/22	C/24	C/23	C/25	C/23	C/24	C/23	C/22	C/23	C/24	C/23	C/25	D/28	C/26	F/142	C/25	C/23	C/24	F/77		
2 I-80 EB: Pedrick Rd to Lane Add	Basic	C/28	C/25	D/28	C/27	C/28	C/27	C/28	C/27	C/24	C/27	C/27	C/27	D/28	D/34	D/28	F/126	D/28	C/27	C/28	F/82		
3 I-80 EB: Lane Add to Kidwell Rd	Basic	C/20	B/19	C/21	B/20	C/21	B/20	C/21	B/20	B/18	B/20	C/20	B/20	C/21	D/31	C/21	F/123	C/21	B/20	C/20	F/76		
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	B/14	B/13	B/14	B/16	B/14	B/13	B/14	B/13	B/12	B/14	B/14	B/14	B/14	F/45	B/14	F/141	B/14	B/14	B/14	F/103		
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B/20	B/18	C/20	E/40	C/20	C/21	C/20	B/19	B/18	C/22	B/20	C/23	C/20	F/52	C/20	F/122	C/20	B/19	B/20	F/97		
6 I-80 EB: Kidwell Rd to SR 113	Weave	B/16	B/15	B/16	F/54	B/16	D/31	B/16	D/31	B/14	D/29	B/16	E/36	B/16	F/66	B/16	F/64	B/16	C/26	B/16	F/78		
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B/15	B/13	B/15	F/107	B/15	F/76	B/15	F/67	B/14	F/49	B/15	F/90	B/15	F/106	B/14	F/95	B/15	F/51	B/15	F/112		
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B/15	B/13	B/14	F/101	B/15	F/95	B/15	F/92	B/13	F/75	B/15	F/89	B/15	F/103	B/14	F/82	B/15	F/65	B/15	F/105		
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B/14	B/12	B/13	F/93	B/13	F/94	B/13	F/96	B/12	F/87	B/13	F/92	B/13	F/95	B/12	F/86	B/13	F/85	B/13	F/103		
10 I-80 EB: SR 113 On-ramp	Basic	B/13	B/10	B/12	F/85	B/13	F/88	B/13	F/89	B/12	F/89	B/13	F/86	B/12	F/88	B/12	F/83	B/13	F/90	B/13	F/96		
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B/14	B/17	B/13	F/65	B/14	F/68	B/14	F/67	B/13	F/67	B/14	F/66	B/13	F/68	B/12	F/75	B/14	F/70	B/14	F/70		
12 I-80 EB: Old Davis Rd On-ramp	Merge	A/9	E/40	A/9	F/46	A/8	F/58	A/8	F/59	A/7	F/60	A/8	F/58	A/7	F/55	A/9	F/130	A/8	F/54	A/7	F/57		
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B/15	F/43	B/15	F/75	B/16	F/74	B/16	F/77	B/14	F/83	B/15	F/77	B/15	F/79	B/14	F/99	B/16	F/68	B/16	F/80		
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B/19	F/50	B/19	F/73											B/18	F/86						
I-80 EB: Lane Drop to Richards Blvd	Basic					C/20	F/60	B/20	F/61	B/18	F/65	B/19	F/62	B/18	F/71					B/20	F/59	B/20	F/69
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	C/27	F/57	C/25	F/63											C/25	F/105						
16 I-80 EB: Richards Blvd Off-ramp	Diverge	D/32	F/61	D/28	F/65	B/20	F/74	B/19	F/75	B/18	F/81	B/19	F/77	B/18	F/97	C/24	F/101	B/19	F/73	B/19	F/91		
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	C/22	F/69	C/21	F/70	C/21	F/72	C/21	F/73	B/19	F/75	C/21	F/73	C/20	F/77	E/38	F/121	C/21	F/70	C/20	F/80		
18 I-80 EB: Richards Blvd On-ramp	Merge	C/20	F/64	B/20	F/65	B/19	F/71	B/18	F/73	B/17	F/75	B/18	F/71	B/20	F/71	F/61	F/93	B/18	F/70	B/18	F/84		
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	C/23	F/66	C/23	F/67	C/22	F/69	C/21	F/72	C/20	F/73	C/21	F/72	C/22	F/75	F/73	F/92	C/22	F/70	C/21	F/78		
20 I-80 EB: Mace Blvd Off-ramp	Diverge	B/16	F/45	B/16	F/45	B/14	F/45	B/14	F/46	B/14	F/46	B/14	F/46	B/15	F/46	E/41	F/51	B/14	F/46	B/14	F/48		
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	C/24	F/65	C/22	F/66	B/19	F/66	B/19	F/69	B/18	F/69	B/19	F/67	C/20	F/72	F/67	F/95	B/19	F/67	B/19	F/71		
22 I-80 EB: Mace Blvd SB On-ramp	Merge	D/30	F/73	C/27	F/76	B/19	F/90	B/19	F/96	B/18	F/100	B/19	F/97	C/21	F/106	F/54	F/135	B/19	F/91	B/19	F/116		
23 I-80 EB: Mace Blvd NB On-ramp	Merge	C/26	F/50	C/25	F/58	C/23	F/58	C/22	F/71	C/22	F/70	C/22	F/64	C/23	F/77	C/28	F/107	C/23	F/63	C/22	F/87		
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	C/27	E/42	C/27	F/48	C/25	E/41	C/24	F/55	C/24	F/53	C/24	F/47	C/26	F/54	E/39	F/69	C/25	F/49	C/25	F/59		
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C/27	F/46	C/27	F/52	C/23	F/50	C/22	F/63	C/23	F/61	C/23	F/51	C/26	F/61	F/69	F/77	C/23	F/58	C/22	F/64		
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	C/27	F/50	D/28	F/54	C/24	F/54	C/24	F/63	C/24	F/63	C/25	F/55	C/26	F/61	F/84	F/79	C/24	F/62	C/24	F/65		
27 I-80 EB: County Rd 32B On-ramp	Merge	C/28	F/52	D/31	F/55	C/24	F/76	C/24	F/94	C/25	F/88	D/33	F/80	C/28	F/61	F/56	F/99	C/24	F/85	C/24	F/92		
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	D/32	D/29	D/30	D/29	C/27	F/79	C/26	F/84	C/27	F/81	D/29	F/82	D/29	D/29	D/35	F/87	C/27	F/82	C/26	F/85		
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	F/49	D/31	D/33	D/31	C/28	F/82	C/28	F/88	D/28	F/87	E/36	F/91	D/31	D/31	E/37	F/85	C/27	F/86	C/27	F/90		
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	D/30	C/26	C/28	C/28	C/25	F/73	C/25	F/78	C/25	F/76	C/27	F/78	C/27	C/27			C/24	F/72	C/25	F/83		
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															D/32	F/90						
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															C/22	F/78						
31 I-80 EB: Enterprise Blvd to US 50	Weave	B/15	B/17	B/16	B/16	B/19	F/66	B/19	F/73	B/18	F/67	B/19	F/73	B/19	C/21	B/16	F/50	C/22	F/61	B/17	F/83		
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B/16	E/42	B/15	B/16											B/16	F/103						
US 50 EB: I-80 Off to On-ramp	Basic					B/19	F/63	B/19	B/16	B/19	B/15	B/20	C/21	B/19	C/28			B/19	F/43	B/18	F/102		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	C/24	F/61	B/20	C/24											C/24	F/100						
34 US 50 EB: I-80 to Harbor Blvd	Weave	E/35	F/67	B/17	C/24	B/19	F/92	B/17	D/30	B/17	B/16	B/17	C/24	B/17	E/41	B/19	F/101	B/17	F/74	B/17	F/107		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	F/44	F/83	B/17	C/26	C/22	F/89	B/17	E/43	B/17	B/18	B/17	C/23	B/17	F/48	B/19	F/92	B/17	F/80	B/19	F/92		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	E/37	F/61	B/17	E/35	C/24	F/63	B/16	F/48	B/16	C/21	B/16	C/22	B/19	F/44	B/20	F/59	C/20	F/59	C/22	F/78		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	F/52	F/69	D/30	F/50	F/45	F/78	D/28	F/70	C/24	D/32	C/26	D/34	E/39	F/52	D/32	F/79	E/42	F/73	F/44	F/82		
38 US 50 EB: Jefferson Blvd On-ramp	Merge	F/61	F/55	D/33	F/45	F/55	F/61	D/34	F/62	D/28	D/34	E/40	E/36	F/66	F/50	E/41	F/67	F/44	F/56	F/65	F/68		
39 US 50 EB: S River Rd On-ramp	Merge	F/73	F/82	F/65	F/70	F/66	F/59	F/47	F/65	D/30	D/29	F/54	C/28	F/60	D/32	F/59	F/93	F/86	F/46	F/84	F/80		
40 US 50 EB: I-5 Off-ramp	Basic	F/55	F/58	F/53	F/58	F/48	F/67	E/37	F/71	E/39	E/39	E/35	E/37	F/64	E/36	E/40	F/51	F/51	F/58	F/52	F/77		
41 US 50 EB: 5th St Off-ramp	Diverge	D/33	D/33	E/38	D/30	F/51	F/92	F/44	F/86	F/47	F/49	E/37	F/47	F/81	F/53	D/29	C/26	F/53	F/82	F/55	F/58		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	F/52	F/53	E/39	F/47																		
US 50 EB: 5th St Off to I-5 On-ramp	Basic					F/48	F/72	E/40	F/67	F/45	E/42	E/37	E/43	F/65	F/50	C/28	B/17	F/48	F/65	F/51	D/29		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	F/59	F/60																				
US 50 EB: Lane Drop to HOV Lane Add	Basic			F/49	F/53																		
US 50 EB: HOV Lane Add to I-5 On	Basic			E/41	F/46																		
44 US 50 EB: I-5 to 15th St	Weave	E/35	F/52	E/39	F/50	E/39	F/59	E/39	F/58	E/39	F/57	E/39	F/56	E/38	F/51	E/36	E/40	E/38	F/56	E/39	F/53		
45 US 50 EB: 15th St to 11th St	Basic	D/33	F/45	D/30	E/43	D/32	F/46	D/34	F/47	D/33	F/49	D/33	F/49	D/32	F/45	D/32	E/40	D/33	F/47	D/31	F/46		
46 US 50 EB: 11th St On-ramp	Merge	E/42	F/99	F/55	F/92	F/55	F/101	F/59	F/97	F/53	F/98	F/54	F/97	F/57	F/101	F/55	F/107	F/53	F/101	F/52	F/99		
47 US 50 EB: 16th St to SR 51/SR 99	Weave	C/23	F/52	C/21	E/40	C/21	F/57	C/21	F/44	C/20	F/46	B/19	F/47	B/20	F/55	B/20	F/61	C/20	F/55	B/19	F/48		

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	B / 16	E / 38	C / 19	C / 26	C / 20	F / 86	C / 20	F / 86	C / 19	F / 89	C / 20	F / 84	C / 19	E / 39			B / 17	F / 93	B / 18	F / 61
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic															B / 18	B / 17				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic															B / 17	B / 16				
62 I-80 EB: US 50 On-ramp	Basic/Merge	B / 17	F / 63	C / 18	E / 38	C / 18	F / 96	C / 19	F / 97	C / 18	F / 99	C / 18	F / 96	C / 18	F / 47	C / 22	B / 18	B / 17	F / 98	C / 18	F / 93
63 I-80 EB: US 50 to Reed Ave	Basic	B / 17	F / 74	B / 18	F / 54	C / 18	F / 99	C / 18	F / 99	B / 18	F / 100	C / 18	F / 98	B / 18	F / 64	C / 25	C / 24	B / 17	F / 98	B / 18	F / 100
64 I-80 EB: Reed Ave Off-ramp	Diverge	C / 18	F / 60	C / 19	F / 54	C / 19	F / 66	C / 19	F / 66	C / 18	F / 66	C / 19	F / 65	C / 19	F / 55	C / 25	C / 24	B / 18	F / 65	C / 18	F / 66
65 I-80 EB: Reed Ave Off to On-ramp	Basic	B / 13	F / 51	B / 13	F / 48	B / 12	F / 62	B / 12	F / 62	B / 12	F / 63	B / 13	F / 61	B / 13	F / 47	B / 16	C / 25	B / 12	F / 60	B / 12	F / 62
66 I-80 EB: Reed Ave On-ramp	Merge	B / 15	D / 34	B / 15	D / 31	B / 14	F / 108	B / 14	F / 110	B / 14	F / 112	B / 14	F / 104	B / 15	E / 38	C / 20	F / 46	B / 14	F / 102	B / 14	F / 110
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 16	D / 30	B / 16	D / 28											C / 22	D / 33				
I-80 EB: Reed Ave to W El Camino Ave	Basic					B / 15	F / 85	B / 15	F / 84	B / 16	F / 87	B / 16	F / 82	B / 16	E / 42			B / 15	F / 83	B / 16	F / 86
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 16	D / 31	B / 16	D / 27											B / 14	C / 21				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 16	E / 36	B / 16	D / 30	B / 15	F / 81	B / 16	F / 83	B / 16	F / 86	B / 16	F / 81	B / 16	F / 47	B / 12	C / 19	B / 15	F / 81	B / 16	F / 83
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	B / 13	C / 19	B / 13	C / 19	B / 12	F / 93	B / 12	F / 94	B / 13	F / 94	B / 13	F / 92	B / 13	F / 50	B / 11	B / 14	B / 12	F / 93	B / 13	F / 94
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	B / 13	B / 16	B / 13	B / 16	B / 12	F / 75	B / 13	F / 76	B / 13	F / 75	B / 13	F / 75	B / 13	F / 55	B / 12	B / 13	B / 13	F / 76	B / 13	F / 76
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	B / 14	C / 21	B / 12	B / 15	A / 10	F / 64	A / 10	F / 64	A / 10	F / 64	A / 10	F / 64	A / 10	F / 52	B / 12	B / 13	A / 10	F / 64	A / 10	F / 65
73 I-80 EB: W El Camino Ave to I-5	Basic	B / 14	D / 30	B / 15	C / 21	B / 14	F / 73	B / 15	F / 73	B / 15	F / 73	B / 15	F / 72	B / 15	F / 66	B / 14	B / 14	B / 15	F / 73	B / 15	F / 74
74 I-80 EB: I-5 Off-ramp	Basic	B / 14	D / 30	B / 15	C / 24	B / 14	F / 52	B / 15	F / 51	B / 15	F / 51	B / 15	F / 51	B / 15	F / 48	B / 14	B / 15	B / 15	F / 52	B / 15	F / 52
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	B / 13	E / 35	B / 13	D / 28	B / 13	F / 50	B / 13	F / 52	B / 15	F / 52	B / 14	F / 51	B / 13	F / 50	B / 13	B / 12	B / 13	F / 50	B / 13	F / 51
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	C / 19	F / 68	C / 21	F / 66	C / 21	F / 93	C / 25	F / 92	D / 33	F / 93	C / 21	F / 92	C / 22	F / 92	C / 21	C / 19	C / 21	F / 93	C / 22	F / 92
77 I-80 EB: I-5 SB On-ramp	Merge	D / 29	F / 63	D / 29	F / 60	D / 31	F / 75	E / 37	F / 78	E / 40	F / 78	D / 27	F / 79	D / 34	F / 75	E / 35	C / 25	D / 33	F / 76	D / 34	F / 74
78 I-80 EB: I-5 to Truxel Rd	Weave	C / 24	E / 39	C / 24	F / 46	C / 25	F / 52	C / 25	F / 62	C / 25	F / 58	C / 24	F / 57	C / 24	F / 49	C / 24	D / 28	C / 25	F / 51	C / 25	F / 56
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	C / 23	E / 43	C / 23	F / 61	C / 24	F / 70	C / 24	F / 84	C / 24	F / 82	C / 24	F / 82	C / 23	F / 70	C / 23	C / 22	C / 24	F / 67	C / 24	F / 80
80 I-80 EB: Truxel Rd SB On-ramp	Basic	C / 20	E / 45	C / 19	F / 69	C / 20	F / 78	C / 20	F / 82	C / 20	F / 83	C / 20	F / 82	C / 20	F / 79	C / 20	C / 18	C / 20	F / 79	C / 21	F / 83
81 I-80 EB: Truxel Rd NB On-ramp	Merge	C / 19	F / 51	C / 20	F / 72	C / 21	F / 79	C / 21	F / 81	C / 21	F / 81	C / 21	F / 80	C / 21	F / 80	C / 21	C / 22	C / 21	F / 79	C / 22	F / 80
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	C / 23	F / 55	C / 23	F / 60	C / 24	F / 61	C / 24	F / 61	C / 24	F / 61	C / 25	F / 61	C / 24	F / 61	C / 24	D / 32	C / 24	F / 61	C / 24	F / 61
83 I-80 EB: Northgate Blvd Off-ramp	Basic	C / 24	F / 50	C / 24	F / 49	C / 25	F / 48	C / 25	F / 49	D / 26	F / 50	D / 28	F / 50	C / 25	F / 49	C / 25	E / 37	C / 26	F / 50	D / 27	F / 49

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	B / 16	B / 18	B / 18	B / 19	B / 18	C / 25	B / 18	F / 47	B / 18	D / 31	B / 18	F / 70	B / 18	F / 53	B / 17	F / 134	B / 18	B / 20	B / 18	F / 98
2 I-80 EB: Pedrick Rd to Lane Add	Basic	B / 19	C / 20	C / 21	C / 22	C / 21	D / 31	C / 21	F / 58	C / 21	E / 41	C / 21	F / 83	C / 21	F / 67	C / 20	F / 122	C / 21	D / 28	C / 21	F / 100
3 I-80 EB: Lane Add to Kidwell Rd	Basic	B / 14	B / 15	B / 15	B / 16	B / 16	C / 28	B / 15	F / 56	B / 15	F / 45	B / 15	F / 75	B / 15	F / 66	B / 15	F / 109	B / 15	D / 29	B / 15	F / 89
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	A / 9	B / 10	A / 10	B / 11	A / 10	D / 30	B / 10	F / 72	B / 10	F / 67	B / 10	F / 106	A / 10	F / 104	A / 10	F / 134	B / 10	E / 37	B / 10	F / 127
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B / 14	B / 15	B / 15	D / 30	B / 15	D / 34	B / 15	F / 79	B / 15	F / 79	B / 15	F / 90	B / 15	F / 87	B / 15	F / 113	B / 15	F / 52	B / 15	F / 99
6 I-80 EB: Kidwell Rd to SR 113	Weave	B / 11	B / 12	B / 12	F / 55	B / 12	F / 47	B / 12	F / 73	B / 12	F / 70	B / 12	F / 70	B / 12	F / 76	B / 12	F / 74	B / 12	F / 62	B / 12	F / 78
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B / 12	B / 12	B / 12	F / 106	B / 13	F / 73	B / 13	F / 102	B / 13	F / 102	B / 13	F / 99	B / 12	F / 100	B / 12	F / 121	B / 13	F / 100	B / 13	F / 107
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B / 11	B / 11	B / 11	F / 105	B / 11	F / 94	B / 12	F / 113	B / 12	F / 117	B / 12	F / 121	B / 11	F / 112	B / 11	F / 102	B / 12	F / 119	B / 12	F / 122
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B / 11	B / 11	B / 11	F / 96	B / 12	F / 94	B / 12	F / 95	B / 12	F / 99	B / 12	F / 97	B / 11	F / 95	B / 11	F / 106	B / 12	F / 98	B / 12	F / 100
10 I-80 EB: SR 113 On-ramp	Basic	A / 9	A / 10	A / 10	F / 91	B / 10	F / 95	B / 10	F / 93	B / 11	F / 94	B / 10	F / 95	B / 10	F / 90	A / 9	F / 102	B / 10	F / 96	B / 11	F / 96
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B / 10	B / 11	B / 11	F / 69	B / 11	F / 70	B / 11	F / 69	B / 11	F / 68	B / 11	F / 67	B / 11	F / 70	B / 10	F / 92	B / 11	F / 71	B / 11	F / 70
12 I-80 EB: Old Davis Rd On-ramp	Merge	A / 6	B / 12	A / 6	F / 46	A / 6	F / 59	A / 6	F / 60	A / 6	F / 60	A / 5	F / 61	A / 6	F / 54	A / 7	F / 129	A / 6	F / 54	A / 6	F / 54
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B / 11	B / 18	B / 12	F / 71	B / 12	F / 77	B / 12	F / 81	B / 12	F / 83	B / 12	F / 86	B / 12	F / 77	B / 11	F / 117	B / 12	F / 75	B / 12	F / 77
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B / 14	C / 22	B / 15	F / 68											B / 14	F / 88				
I-80 EB: Lane Drop to Richards Blvd	Basic					B / 16	F / 60	B / 16	F / 64	B / 16	F / 65	B / 15	F / 68	B / 16	F / 69			B / 16	F / 65	B / 16	F / 66
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	B / 19	C / 27	B / 20	F / 55											B / 19	F / 101				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	C / 20	D / 29	C / 22	F / 54	B / 15	F / 74	B / 15	F / 80	B / 15	F / 81	B / 15	F / 90	B / 15	F / 90	B / 19	F / 96	B / 15	F / 84	B / 15	F / 88
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	B / 16	D / 31	B / 17	F / 61	B / 17	F / 70	B / 17	F / 74	B / 17	F / 76	B / 17	F / 79	B / 17	F / 71	C / 22	F / 118	B / 17	F / 77	B / 17	F / 78
18 I-80 EB: Richards Blvd On-ramp	Merge	B / 15	D / 32	B / 16	F / 59	B / 15	F / 73	B / 15	F / 77	B / 15	F / 77	B / 15	F / 81	B / 17	F / 65	C / 23	F / 86	B / 15	F / 76	B / 15	F / 81
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	B / 17	F / 49	B / 18	F / 63	B / 18	F / 72	B / 18	F / 76	B / 18	F / 76	B / 17	F / 78	B / 19	F / 67	F / 48	F / 84	B / 18	F / 74	B / 18	F / 77
20 I-80 EB: Mace Blvd Off-ramp	Diverge	B / 12	E / 42	B / 12	E / 43	B / 12	F / 44	B / 12	F / 46	B / 12	F / 46	B / 11	F / 45	B / 13	F / 44	E / 39	F / 48	B / 12	F / 46	B / 12	F / 46
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	B / 16	F / 64	B / 17	F / 64	B / 16	F / 69	B / 16	F / 73	B / 16	F / 72	B / 16	F / 70	B / 18	F / 66	F / 66	F / 84	B / 16	F / 70	B / 16	F / 72
22 I-80 EB: Mace Blvd SB On-ramp	Merge	B / 16	F / 67	B / 16	F / 66	B / 17	F / 95	B / 16	F / 107	B / 16	F / 105	B / 16	F / 107	B / 18	F / 75	F / 53	F / 104	B / 17	F / 100	B / 17	F / 108
23 I-80 EB: Mace Blvd NB On-ramp	Merge	B / 18	F / 48	B / 19	F / 48	C / 20	F / 70	B / 20	F / 80	B / 19	F / 77	B / 18	F / 76	C / 22	F / 52	C / 28	F / 70	C / 20	F / 75	B / 20	F / 78
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	C / 20	E / 40	C / 21	E / 40	C / 22	F / 52	C / 21	F / 57	C / 21	F / 57	C / 20	F / 58	C / 24	E / 43	D / 29	F / 47	C / 22	F / 58	C / 22	F / 50
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C / 20	F / 44	C / 20	F / 44	C / 20	F / 60	B / 19	F / 59	B / 19	F / 64	B / 19	F / 67	C / 23	F / 46	D / 34	F / 55	B / 20	F / 61	B / 20	F / 52
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	C / 21	F / 48	C / 21	F / 47	C / 21	F / 62	C / 21	F / 62	C / 21	F / 65	C / 20	F / 67	C / 24	F / 50	E / 41	F / 59	C / 21	F / 64	C / 21	F / 55
27 I-80 EB: County Rd 32B On-ramp	Merge	B / 19	F / 51	B / 19	F / 50	B / 20	F / 88	B / 19	F / 87	B / 19	F / 93	B / 20	F / 98	C / 22	F / 52	E / 39	F / 75	B / 20	F / 87	B / 19	F / 75
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	C / 22	D / 29	C / 22	D / 29	C / 23	F / 81	C / 22	F / 81	C / 22	F / 84	C / 22	F / 84	C / 25	D / 29	D / 34	F / 75	C / 22	F / 82	C / 22	F / 73
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	C / 26	D / 30	C / 22	D / 32	C / 23	F / 81	C / 22	F / 84	C / 23	F / 83	C / 22	F / 82	C / 25	D / 33	E / 39	F / 74	C / 23	F / 85	C / 23	F / 71
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	C / 22	C / 27	B / 20	D / 29	C / 21	F / 72	C / 21	F / 74	C / 21	F / 72	C / 20	F / 73	C / 23	D / 30			C / 20	F / 70	C / 21	F / 69
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															D / 32	F / 81				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															C / 21	F / 69				
31 I-80 EB: Enterprise Blvd to US 50	Weave	B / 12	B / 15	B / 13	B / 16	B / 17	F / 57	B / 16	F / 58	B / 16	F / 62	B / 16	F / 57	B / 17	C / 21	B / 16	F / 54	B / 20	F / 47	B / 15	F / 70
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B / 12	B / 10	B / 12	B / 12											B / 17	F / 99				
US 50 EB: I-80 Off to On-ramp	Basic					B / 17	B / 15	B / 17	B / 14	C / 27	B / 15	B / 17	B / 14	C / 22	B / 16			C / 23	B / 14	B / 16	F / 88
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	B / 16	B / 14	B / 16	B / 15											D / 31	F / 98				
34 US 50 EB: I-80 to Harbor Blvd	Weave	B / 13	B / 12	B / 15	B / 13	C / 21	B / 12	C / 21	B / 12	F / 46	B / 12	B / 18	B / 12	E / 42	B / 13	C / 26	F / 88	C / 28	B / 12	B / 14	F / 107
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	B / 13	B / 12	C / 21	B / 13	B / 19	B / 12	C / 24	B / 12	E / 40	B / 12	C / 25	B / 12	F / 84	B / 13	E / 35	F / 92	D / 30	B / 12	B / 19	F / 91
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	B / 14	C / 20	C / 26	B / 15	C / 23	B / 14	C / 25	B / 14	D / 32	B / 14	C / 21	B / 14	F / 43	B / 15	D / 33	F / 74	D / 30	B / 14	C / 28	F / 80
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	B / 18	F / 45	F / 49	C / 24	F / 51	B / 20	F / 53	B / 19	F / 47	B / 20	E / 35	B / 19	F / 64	B / 20	F / 63	F / 82	F / 59	B / 19	F / 55	F / 78
38 US 50 EB: Jefferson Blvd On-ramp	Merge	C / 21	E / 42	F / 51	D / 29	F / 62	C / 22	F / 67	C / 21	F / 61	C / 22	F / 48	C / 22	F / 73	C / 22	F / 66	F / 70	F / 50	C / 22	F / 64	F / 65
39 US 50 EB: S River Rd On-ramp	Merge	C / 21	F / 68	F / 91	E / 42	F / 87	C / 22	F / 87	C / 20	F / 88	C / 21	F / 67	C / 20	F / 97	C / 20	F / 71	F / 98	F / 90	C / 21	F / 96	F / 73
40 US 50 EB: I-5 Off-ramp	Basic	C / 24	F / 48	F / 70	E / 36	F / 45	C / 24	F / 48	C / 22	F / 45	C / 24	F / 46	C / 23	F / 54	C / 22	F / 46	F / 49	F / 47	C / 23	F / 47	F / 64
41 US 50 EB: 5th St Off-ramp	Diverge	B / 16	B / 14	F / 50	B / 13	E / 43	C / 24	E / 43	C / 22	E / 40	C / 22	F / 44	C / 22	F / 65	C / 22	D / 30	B / 18	F / 45	C / 23	F / 44	F / 50
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	B / 19	B / 12	E / 42	B / 13																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					E / 39	B / 18	E / 38	B / 18	E / 38	B / 19	F / 43	B / 18	F / 59	B / 19	C / 28	B / 14	E / 41	B / 18	E / 39	C / 23
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	C / 28	B / 17																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			F / 57	B / 18																
US 50 EB: HOV Lane Add to I-5 On	Basic			F / 48	B / 18																
44 US 50 EB: I-5 to 15th St	Weave	D / 28	F / 48	E / 39	F / 48	E / 38	F / 50	E / 38	F / 50	E / 38	F / 48	E / 39	F / 51	E / 40	E / 41	E / 37	B / 16	E / 37	F / 50	E / 38	C / 25
45 US 50 EB: 15th St to 11th St	Basic	C / 28	F / 43	C / 28	E / 42	D / 30	F / 44	D / 32	F / 45	C / 26	F / 46	D / 31	F / 47	C / 23	E / 42	C / 27	B / 17	D / 30	E / 43	D / 29	D / 30
46 US 50 EB: 11th St On-ramp	Merge	E / 37	F / 84	E / 43	F / 79	F / 48	F / 88	F / 50	F / 85	E / 41	F / 86	F / 50	F / 89	E / 36	F / 90	F / 44	C / 25	F / 49	F / 88	F / 43	F / 63
47 US 50 EB: 16th St to SR 51/SR 99	Weave	B / 20	B / 18	B / 18	B / 18	B / 19	B / 18	B / 19	B / 18	B / 17	B / 18	B / 18	B / 18	B / 16	B / 18	B / 17	B / 16	B / 19	B / 18	B / 19	B / 18

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	B / 12	D / 33	B / 15	D / 28	B / 16	F / 72	B / 17	F / 77	B / 16	F / 72	B / 16	F / 76	B / 15	E / 37			B / 14	F / 89	B / 15	F / 72
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic															B / 16	C / 21				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic															B / 16	C / 25				
62 I-80 EB: US 50 On-ramp	Basic/Merge	B / 13	E / 41	B / 14	E / 38	B / 15	F / 85	B / 15	F / 87	B / 15	F / 85	B / 15	F / 87	B / 15	E / 41	C / 18	D / 27	B / 14	F / 92	B / 15	F / 85
63 I-80 EB: US 50 to Reed Ave	Basic	B / 13	F / 49	B / 14	F / 50	B / 15	F / 89	B / 15	F / 90	B / 15	F / 88	B / 15	F / 90	B / 14	F / 46	C / 21	E / 38	B / 14	F / 92	B / 14	F / 88
64 I-80 EB: Reed Ave Off-ramp	Diverge	B / 13	D / 35	B / 14	F / 51	B / 15	F / 64	B / 15	F / 64	B / 14	F / 60	B / 14	F / 64	B / 15	E / 38	C / 21	E / 39	B / 14	F / 66	B / 14	F / 63
65 I-80 EB: Reed Ave Off to On-ramp	Basic	A / 10	D / 30	A / 11	F / 59	B / 11	F / 67	B / 11	F / 68	A / 11	F / 65	B / 11	F / 67	B / 11	E / 39	B / 16	F / 53	A / 11	F / 68	A / 11	F / 67
66 I-80 EB: Reed Ave On-ramp	Merge	B / 13	E / 42	B / 14	F / 67	B / 13	F / 112	B / 13	F / 112	B / 13	F / 107	B / 13	F / 109	B / 14	F / 52	C / 20	F / 65	B / 13	F / 112	B / 13	F / 110
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 13	D / 30	B / 14	D / 32											C / 21	D / 34				
I-80 EB: Reed Ave to W El Camino Ave	Basic					B / 15	F / 84	B / 14	F / 84	B / 14	F / 80	B / 15	F / 82	B / 15	D / 31			B / 14	F / 84	B / 14	F / 83
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 13	D / 29	B / 14	D / 31													B / 14	C / 21		
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 13	D / 32	B / 14	D / 34	B / 14	F / 80	B / 14	F / 81	B / 15	F / 78	B / 15	F / 79	B / 15	D / 34	B / 12	C / 18	B / 14	F / 80	B / 14	F / 79
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	A / 11	C / 20	B / 11	C / 21	B / 11	F / 93	B / 12	F / 92	B / 12	F / 89	B / 12	F / 90	B / 12	D / 27	B / 11	B / 16	B / 11	F / 92	B / 12	F / 90
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	A / 10	B / 17	A / 10	B / 17	A / 10	F / 71	A / 10	F / 72	A / 11	F / 70	A / 11	F / 71	A / 10	D / 27	A / 10	B / 14	A / 10	F / 70	A / 10	F / 71
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	A / 10	B / 17	A / 9	B / 15	A / 7	F / 56	A / 7	F / 58	A / 7	F / 55	A / 7	F / 57	A / 7	D / 26	A / 8	B / 13	A / 6	F / 58	A / 7	F / 58
73 I-80 EB: W El Camino Ave to I-5	Basic	A / 10	B / 18	A / 11	C / 18	B / 11	F / 69	B / 11	F / 70	B / 11	F / 68	B / 11	F / 70	B / 11	E / 45	A / 11	B / 15	B / 11	F / 69	B / 11	F / 70
74 I-80 EB: I-5 Off-ramp	Basic	A / 10	C / 18	A / 11	C / 19	B / 11	F / 48	B / 11	F / 51	B / 11	F / 48	B / 11	F / 50	B / 11	E / 38	A / 11	B / 15	B / 11	F / 49	B / 11	F / 49
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	A / 10	B / 17	A / 10	B / 17	A / 11	F / 51	A / 11	F / 50	A / 11	F / 48	A / 11	F / 49	A / 11	E / 38	A / 10	B / 13	A / 11	F / 50	A / 11	F / 51
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	B / 14	C / 25	B / 15	E / 38	B / 16	F / 93	B / 16	F / 91	B / 16	F / 90	B / 16	F / 90	B / 16	F / 75	B / 16	C / 20	B / 16	F / 93	B / 16	F / 93
77 I-80 EB: I-5 SB On-ramp	Merge	C / 18	D / 31	C / 18	E / 42	C / 20	F / 71	C / 19	F / 70	C / 19	F / 70	C / 19	F / 70	C / 19	F / 62	C / 19	C / 25	C / 19	F / 72	C / 19	F / 71
78 I-80 EB: I-5 to Truxel Rd	Weave	C / 18	D / 26	B / 17	C / 25	C / 18	C / 25	C / 18	C / 25	C / 19	C / 25	C / 18	C / 25	C / 18	C / 26	C / 18	C / 22	C / 19	C / 25	C / 19	C / 25
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	C / 19	C / 23	B / 18	C / 22	C / 19	C / 21	C / 19	C / 21	C / 19	C / 22	C / 19	C / 21	C / 19	C / 22	C / 19	C / 19	C / 19	C / 21	C / 19	C / 21
80 I-80 EB: Truxel Rd SB On-ramp	Basic	B / 15	C / 19	B / 15	B / 17	B / 16	B / 17	B / 16	B / 17	B / 15	B / 18	B / 15	B / 17	B / 15	B / 18	B / 15	B / 16	B / 15	B / 17	B / 16	B / 17
81 I-80 EB: Truxel Rd NB On-ramp	Merge	B / 14	B / 16	B / 14	B / 16	B / 14	B / 16	B / 14	B / 16	B / 14	B / 17	B / 14	B / 16	B / 14	B / 16	B / 15	B / 15	B / 14	B / 16	B / 15	B / 16
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	B / 17	C / 21	B / 16	C / 20	B / 18	C / 21	B / 18	C / 22	B / 18	C / 22	B / 17	C / 20	B / 17	C / 21	B / 18	C / 19	B / 18	C / 21	B / 18	C / 20
83 I-80 EB: Northgate Blvd Off-ramp	Basic	B / 17	C / 22	B / 16	C / 21	B / 17	C / 23	B / 18	C / 23	B / 17	C / 24	B / 17	C / 21	B / 17	C / 23	B / 18	C / 20	B / 18	C / 23	B / 18	C / 22

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	E / 35	E / 38	F / 47	D / 30	F / 64	E / 42	F / 60	F / 49	F / 55	F / 46	F / 57	F / 58	F / 53	D / 26	F / 148	F / 142	F / 55	F / 52	F / 58	F / 58
102 US 50 WB: SR 51 to 16th St	Weave	D / 31	E / 40	D / 30	E / 41	D / 34	F / 48	D / 32	F / 54	D / 31	F / 51	D / 33	F / 57	E / 39	D / 30	F / 98	F / 132	D / 33	F / 54	D / 33	F / 60
103 US 50 WB: 10th St Off-ramp	Diverge	D / 29	F / 53	E / 35	F / 60	D / 29	F / 65	D / 29	F / 70	D / 30	F / 69	D / 30	F / 71	F / 50	E / 37	F / 122	F / 127	D / 31	F / 68	D / 30	F / 79
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 25	F / 51	C / 26	F / 64	D / 27	F / 65	D / 27	F / 73	D / 27	F / 69	D / 26	F / 68	F / 51	E / 41	F / 121	F / 123	D / 27	F / 72	D / 27	F / 74
105 US 50 WB: 15th St to I-5	Weave	C / 22	E / 37	C / 22	F / 49	C / 25	F / 62	C / 25	F / 64	C / 25	F / 62	C / 25	F / 61	F / 54	F / 51	F / 88	F / 72	C / 25	F / 64	C / 25	F / 62
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 19	B / 18	D / 34	C / 19	C / 21	C / 19	C / 21	C / 18	C / 21	C / 19	C / 21	C / 19	F / 80	C / 20	F / 126	F / 97	C / 21	C / 19	C / 21	C / 19
107 US 50 WB: 5th St On-ramp	Merge	B / 17	B / 14	F / 49	B / 14	C / 22	B / 12	C / 22	B / 12	C / 22	B / 12	C / 21	B / 13	F / 97	B / 14	F / 103	F / 92	C / 21	B / 12	C / 21	B / 13
108 US 50 WB: I-5 On-ramp	Merge	C / 23	B / 18	F / 68	B / 18	D / 32	B / 17	D / 31	B / 18	D / 32	B / 17	D / 31	B / 18	F / 90	C / 19	F / 119	F / 51	D / 32	B / 17	D / 30	C / 18
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	D / 33	C / 24	F / 73	C / 24	D / 32	C / 23	D / 31	C / 23	D / 33	C / 24	D / 31	C / 24	F / 82	C / 24	F / 114	C / 19	D / 32	C / 23	D / 32	C / 24
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	D / 32	B / 20	F / 61	C / 24	D / 32	C / 22	D / 31	C / 22	D / 31	C / 23	D / 31	C / 23	F / 84	C / 24	F / 109	C / 20	D / 32	C / 23	D / 32	C / 23
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	C / 22	B / 13	F / 67	C / 19																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					D / 27	C / 20	C / 25	C / 20	C / 26	C / 20	C / 25	C / 20	F / 67	C / 21	F / 77	B / 12	D / 27	C / 20	D / 27	C / 20
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	C / 24	B / 17	F / 77	C / 20																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 19	B / 13	F / 65	B / 16																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 19	B / 13	F / 64	B / 16																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 17	B / 13	F / 90	B / 14	D / 32	C / 18	C / 22	B / 18	F / 49	C / 18	C / 23	B / 18	F / 92	C / 19	F / 96	A / 11	E / 41	C / 18	F / 47	B / 18
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 14	B / 12	F / 85	B / 13	E / 35	B / 16	B / 18	B / 15	F / 47	B / 16	D / 27	B / 15	F / 61	B / 16	F / 53	A / 9	E / 37	B / 16	E / 43	B / 16
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	B / 10	B / 12	F / 74	B / 12	B / 17	A / 10	A / 8	A / 9	C / 23	A / 9	B / 14	A / 9	D / 26	A / 9	F / 56	A / 8	C / 20	A / 9	C / 20	A / 11
118 US 50 WB: I-80 EB Off-ramp	Basic	B / 15	B / 13	F / 77	B / 13	E / 38	B / 16	C / 22	B / 16	E / 41	B / 16	D / 34	B / 15	E / 42	B / 17	F / 70	A / 10	E / 40	B / 16	E / 39	B / 16
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	C / 27	A / 10	F / 93	B / 11	F / 48	B / 14	D / 32	B / 13	F / 49	B / 14	E / 42	B / 13	F / 50	B / 15	F / 141	A / 10	F / 49	B / 14	F / 46	B / 13
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	F / 71	B / 14	F / 105	B / 15	F / 47	C / 21	E / 40	C / 20	F / 46	C / 21	E / 43	C / 20	F / 47	C / 23	F / 125	B / 15	F / 48	C / 21	F / 49	C / 19
121 I-80 WB: US 50 to W Capitol Ave	Weave	F / 60	B / 16	F / 69	B / 17	F / 60	D / 26	F / 57	C / 26	F / 59	C / 26	F / 59	C / 26	F / 61	C / 24	F / 52	C / 18	F / 62	C / 21	F / 61	C / 23
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 56	B / 17	F / 55	C / 19											F / 52	C / 21				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 67	C / 26	F / 67	C / 25	F / 66	C / 26	F / 67	C / 25	F / 68	C / 25			F / 72	C / 22	F / 67	C / 25
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 71	C / 23	F / 69	C / 25											F / 71	D / 32				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 56	C / 22	F / 54	C / 22	F / 55	C / 21	F / 56	C / 20	F / 53	C / 22	F / 56	C / 21	F / 55	C / 21	F / 54	D / 31	F / 58	C / 19	F / 54	C / 21
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 46	C / 25	E / 44	D / 26	F / 45	D / 26	F / 46	C / 24	F / 45	C / 26	F / 46	C / 25	E / 44	D / 26	E / 45	D / 33	F / 47	C / 24	E / 45	D / 27
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 33	C / 24	D / 33	C / 26	D / 33	C / 25	D / 33	C / 25	D / 33	C / 25	D / 33	C / 25	D / 33	C / 25	D / 33	D / 27	D / 35	C / 25	D / 33	C / 25
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 33	C / 24	E / 35	C / 26	D / 34	C / 25	D / 34	C / 25	E / 36	C / 26	E / 36	C / 26	E / 35	D / 26	D / 35	D / 28	E / 38	C / 25	E / 36	C / 25
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 32	C / 23	D / 33	C / 24	D / 32	C / 24	D / 33	C / 24	D / 32	C / 24	D / 31	C / 24	D / 31	C / 24	D / 32	C / 25	E / 36	C / 24	D / 32	C / 24
129 I-80 WB: County Rd 32A On-ramp	Merge	D / 29	B / 19	D / 32	C / 22	D / 30	C / 22	D / 31	C / 22	D / 30	C / 22	D / 29	C / 22	D / 29	C / 22	D / 31	C / 24	D / 35	C / 22	D / 31	C / 22
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 32	C / 24	D / 32	C / 24	D / 33	C / 25	D / 34	C / 22	D / 33	C / 25	D / 32	C / 24	D / 32	C / 24	D / 33	D / 26	E / 36	C / 25	D / 33	C / 25
131 I-80 WB: Mace Blvd Off-ramp	Diverge	C / 21	B / 16	C / 21	B / 16	C / 22	B / 17	C / 22	B / 17	C / 22	B / 17	C / 21	B / 17	C / 21	B / 16	C / 22	B / 17	C / 24	B / 17	C / 22	B / 17
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 27	B / 19	D / 28	C / 20	D / 27	C / 20	D / 27	C / 19	D / 27	C / 20	D / 27	C / 20	D / 27	C / 19	D / 27	C / 21	D / 29	C / 20	D / 27	C / 19
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 14	A / 10	C / 21	B / 16	C / 21	B / 16	C / 21	B / 15	C / 21	B / 16	C / 20	B / 16	C / 21	B / 16	C / 20	B / 16	C / 22	B / 16	C / 21	B / 16
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 16	C / 22	B / 16	C / 22	B / 16	C / 22	B / 16	C / 22	B / 16	C / 21	B / 16	C / 21	B / 16	C / 20	B / 16	C / 23	B / 16	C / 22	B / 16
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	C / 21																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 29	C / 22	D / 29	C / 22	D / 29	C / 21	D / 29	C / 22	D / 28	C / 22	D / 28	C / 22	D / 30	C / 24	D / 31	C / 22	D / 29	C / 22
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 28	C / 22																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	D / 28	C / 21																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	D / 28	C / 21																		
I-80 WB: Richards Blvd Off-ramp	Diverge			D / 30	C / 22	D / 31	C / 23	D / 32	C / 22	D / 32	C / 23	D / 30	C / 23	D / 30	C / 23	D / 32	C / 26	D / 35	C / 23	D / 31	C / 23
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 27	B / 20																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 25	C / 20	C / 25	C / 19	C / 25	C / 19	C / 25	C / 19	C / 24	C / 19	C / 25	C / 20	C / 25	C / 21	D / 27	C / 19	C / 25	C / 19
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 27	B / 20																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	D / 28	C / 21																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 21	B / 17																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	B / 18	C / 21	C / 19	C / 21	C / 18	C / 21	C / 19	C / 21	C / 19	C / 20	C / 19	B / 17	B / 15	C / 22	C / 18	C / 21	C / 18
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 21	B / 17	C / 20	B / 18	C / 23	C / 19	C / 24	C / 19	C / 23	C / 20	C / 23	C / 19	C / 20	B / 18	B / 17	B / 15	C / 25	C / 19	C / 23	C / 19
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 14	B / 12	B / 13	B / 12	B / 18	B / 16	C / 18	B / 16	B / 18	B / 16	B / 18	B / 15	B / 16	B / 15	B / 12	B / 12	C / 19	B / 16	B / 17	B / 16
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 12	B / 10	B / 15	B / 13	B / 17	B / 14	B / 17	B / 14	B / 16	B / 14	B / 17	B / 14	B / 15	B / 13	B / 12	A / 11	B / 18	B / 16	B / 16	B / 14
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 17	B / 13	B / 16	B / 13	C / 18	B / 14	C / 19	B / 14	B / 18	B / 14	B / 18	B / 15	B / 16	B / 13	B / 13	B / 11	C / 19	B / 14	B / 18	B / 14
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 13	A / 10	B / 13	B / 11	B / 16	B / 14	B / 17	B / 13	B / 16	B / 14	B / 16	B / 14	B / 15	B / 13	B / 11	A / 11	B / 17	B / 13	B / 16	B / 13
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 17	B / 13	B / 16	B / 14	C / 18	B / 15	C / 19	B / 14	C / 18	B / 15	C / 18	B / 15	B / 16	B / 14	B / 13	B / 12	C / 20	B / 14	C / 18	B / 14
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 17	B / 13	B / 16	B / 14	B / 17	B / 14	B / 17	B / 14	B / 17	B / 15	B / 17	B / 14	B / 16	B / 14	B / 14	B / 13	C / 18	B / 14	B / 17	B / 14
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	C / 20	B / 16	C / 19	B / 17	C / 21	B / 18	C / 21	B / 18	C / 21	B / 18	C / 21	B / 18	C / 20	B / 18	B / 18	B / 16	C / 22	B / 17	C /	

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	D / 30	C / 25	D / 29	C / 24	D / 31	C / 26	D / 31	C / 26	D / 32	C / 26	D / 31	C / 26	D / 29	C / 25	D / 29	C / 25	D / 31	C / 26	D / 30	C / 25
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	D / 34	C / 27	D / 35	C / 27	E / 37	C / 28	E / 40	D / 28	E / 37	C / 28	E / 37	D / 28	E / 35	C / 27	D / 34	C / 27	E / 37	D / 28	E / 36	C / 28
163 I-80 WB: Truxel Rd NB On-ramp	Basic	C / 27	C / 22	D / 28	C / 21	E / 38	C / 22	E / 35	C / 22	D / 32	C / 22	D / 30	C / 23	D / 29	C / 22	D / 28	C / 21	D / 30	C / 22	D / 29	C / 22
164 I-80 WB: Truxel Rd to I-5	Weave	C / 24	B / 19	C / 25	B / 19	D / 30	C / 21	D / 32	C / 21	D / 30	C / 20	D / 29	C / 21	C / 27	B / 20	C / 27	B / 19	D / 29	C / 20	C / 28	C / 20
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	C / 20	B / 15	C / 21	B / 14	C / 21	B / 16	C / 21	B / 16	C / 23	B / 16	C / 22	B / 16	C / 21	B / 15	E / 42	B / 15	C / 22	B / 15	C / 21	B / 15
166 I-80 WB: I-5 NB On-ramp	Merge	B / 17	B / 13	B / 18	B / 13	B / 18	B / 15	B / 18	B / 15	C / 20	B / 15	B / 19	B / 15	B / 18	B / 14	F / 61	B / 14	B / 19	B / 14	B / 18	B / 14
167 I-80 WB: I-5 to W El Camino Ave	Weave	C / 21	B / 16	D / 32	B / 15	D / 34	B / 17	C / 25	B / 18	D / 31	B / 18	D / 32	B / 18	C / 22	B / 16	F / 80	B / 16	C / 24	B / 17	D / 29	B / 17
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	C / 24	B / 17	F / 69	B / 18	F / 64	C / 20	E / 38	C / 21	F / 55	C / 20	F / 53	C / 20	D / 29	B / 19	F / 109	B / 18	D / 29	C / 20	F / 48	B / 20
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	B / 18	B / 16	F / 71	B / 18	F / 76	C / 20	E / 40	C / 20	F / 61	B / 20	F / 61	B / 19	D / 34	B / 19	F / 91	B / 18	D / 32	C / 20	F / 55	B / 20
170 I-80 WB: W El Camino EB On-ramp	Merge	B / 18	B / 16	F / 65	B / 17	F / 87	C / 22	F / 50	C / 22	F / 74	C / 22	F / 71	C / 21	F / 44	C / 21	F / 64	B / 18	E / 38	C / 22	F / 64	C / 21
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	C / 24	B / 17	F / 64	B / 18									F / 52	C / 23						
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 93	C / 23	F / 71	C / 23	F / 86	C / 24	F / 84	C / 24	F / 56	C / 24			D / 33	C / 23	F / 79	C / 23
172 I-80 WB: Lane Drop to Reed Ave	Basic	D / 32	C / 22	F / 80	C / 24									F / 69	D / 33						
173 I-80 WB: Reed Ave Off-ramp	Diverge	D / 32	C / 25	F / 89	C / 28	F / 92	C / 26	F / 85	C / 26	F / 94	C / 27	F / 93	C / 26	F / 64	C / 27	E / 36	E / 43	D / 32	C / 26	F / 89	C / 25
174 I-80 WB: Reed Ave Off to On-ramp	Basic	C / 22	B / 17	F / 109	B / 18	F / 107	B / 18	F / 102	B / 18	F / 107	B / 18	F / 107	B / 18	F / 79	B / 18	C / 22	C / 22	C / 23	B / 18	F / 106	B / 17
175 I-80 WB: Reed Ave On-ramp	Merge	B / 19	C / 22	F / 101	C / 24	F / 90	C / 20	F / 89	C / 20	F / 92	C / 20	F / 91	B / 20	F / 81	C / 21	C / 22	D / 34	C / 20	C / 23	F / 91	B / 20
176 I-80 WB: Reed Ave to US 50	Basic	C / 24	C / 24	F / 101	C / 24	F / 84	C / 21	F / 85	C / 21	F / 85	C / 21	F / 85	C / 20	F / 79	B / 19	B / 19	C / 26	E / 36	C / 24	F / 85	B / 20
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	C / 25	C / 25	F / 71	C / 23	F / 72	B / 20	F / 71	C / 21	F / 71	B / 20	F / 71	B / 19	F / 68	B / 18	B / 18	C / 26	E / 41	C / 22	F / 72	B / 19
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	C / 21	B / 13	F / 61	B / 15	F / 69	B / 18	F / 66	B / 18	F / 67	B / 17	F / 67	B / 17	F / 66	B / 15	B / 16	B / 14			F / 73	B / 15
I-80 WB: US 50 Off to On-ramp	Basic																	F / 72	B / 20		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	F / 46	C / 23	F / 89	C / 22	F / 84	C / 28	F / 78	C / 27	F / 82	C / 26	F / 82	C / 26	F / 82	C / 23	C / 25	C / 22			F / 86	C / 24



I-80/US 50 Managed Lanes  
LOS / Delay - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	F / 92	F / 122	F / 59	F / 115	F / 62	F / 111	F / 61	F / 113	F / 60	F / 108	F / 61	F / 111	F / 60	F / 108	F / 143	F / 144	F / 59	F / 116	F / 60	F / 112
102 US 50 WB: SR 51 to 16th St	Weave	E / 39	F / 87	D / 34	F / 95	D / 34	F / 95	E / 35	F / 94	E / 35	F / 89	E / 35	F / 89	E / 36	F / 96	F / 121	F / 128	D / 34	F / 93	E / 36	F / 92
103 US 50 WB: 10th St Off-ramp	Diverge	C / 28	F / 105	D / 32	F / 108	D / 27	F / 111	D / 28	F / 109	D / 28	F / 101	D / 27	F / 106	D / 32	F / 111	F / 136	F / 124	D / 27	F / 115	D / 27	F / 111
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 22	F / 88	C / 22	F / 95	C / 22	F / 92	C / 23	F / 92	C / 23	F / 88	C / 23	F / 93	D / 34	F / 94	F / 135	F / 121	C / 22	F / 91	C / 22	F / 94
105 US 50 WB: 15th St to I-5	Weave	B / 20	F / 45	C / 21	F / 55	C / 21	F / 71	C / 22	F / 72	C / 23	F / 67	C / 22	F / 68	F / 48	F / 71	F / 124	F / 66	C / 22	F / 72	C / 22	F / 68
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 17	B / 16	E / 41	B / 18	C / 18	B / 14	C / 18	B / 15	C / 19	B / 16	C / 19	B / 14	F / 80	B / 14	F / 141	F / 98	C / 18	C / 19	C / 18	B / 15
107 US 50 WB: 5th St On-ramp	Merge	B / 17	B / 14	F / 57	B / 13	C / 22	A / 11	C / 22	A / 11	C / 23	B / 12	C / 23	A / 11	F / 96	A / 11	F / 133	F / 94	C / 22	B / 15	C / 22	B / 12
108 US 50 WB: I-5 On-ramp	Merge	C / 24	C / 27	F / 67	C / 20	E / 38	C / 21	D / 32	C / 20	E / 38	C / 23	E / 39	C / 19	F / 86	C / 19	F / 148	F / 62	E / 37	C / 23	E / 35	C / 20
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	C / 26	C / 24	F / 67	C / 23	D / 29	C / 24	D / 28	C / 20	D / 29	C / 24	D / 28	C / 22	F / 78	C / 23	F / 152	C / 21	D / 29	D / 29	D / 28	C / 23
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtway	Basic	C / 26	B / 19	F / 76	C / 21	D / 27	C / 21	D / 26	C / 22	D / 28	C / 22	D / 27	C / 21	F / 82	C / 21	F / 133	C / 21	D / 27	C / 25	D / 27	C / 21
111 US 50 WB: Tower Bridge Gtway On-ramp	Merge	B / 18	B / 15	F / 87	C / 19																
US 50 WB: Tower Bridge Gtway to Harbor Blvd	Weave					C / 24	C / 22	C / 22	C / 22	C / 24	C / 21	C / 23	C / 20	F / 68	C / 20	F / 81	B / 16	C / 25	C / 23	C / 25	C / 21
112 US 50 WB: Tower Bridge Gtway to Lane Add	Basic	C / 20	B / 18	F / 93	C / 20																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 16	B / 14	F / 75	B / 16																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 16	B / 14	F / 67	B / 16																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 14	B / 12	F / 99	B / 13	D / 31	C / 19	C / 20	C / 18	F / 47	C / 18	C / 23	B / 17	F / 92	B / 17	F / 103	B / 14	E / 40	C / 20	F / 50	B / 18
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 13	B / 12	F / 92	B / 12	D / 31	B / 17	C / 18	B / 16	E / 43	B / 16	C / 23	B / 15	F / 61	B / 16	F / 59	B / 14	D / 32	B / 17	E / 42	B / 16
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	B / 12	B / 14	F / 80	B / 13	B / 16	B / 11	A / 10	B / 11	C / 22	A / 11	B / 12	A / 10	D / 33	A / 10	F / 89	B / 13	B / 16	B / 11	C / 22	B / 11
118 US 50 WB: I-80 EB Off-ramp	Basic	C / 22	B / 15	F / 79	B / 13	D / 34	B / 17	C / 18	B / 17	E / 39	B / 17	D / 29	B / 16	E / 45	B / 16	F / 91	B / 15	D / 33	B / 17	E / 37	B / 17
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	F / 72	A / 9	F / 101	A / 10	E / 43	B / 14	C / 20	B / 14	F / 48	B / 14	E / 38	B / 13	F / 60	B / 14	F / 156	B / 17	E / 44	B / 15	E / 44	B / 15
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	F / 112	B / 12	F / 108	B / 13	F / 47	C / 22	D / 30	C / 21	F / 48	C / 22	E / 42	C / 20	F / 59	C / 22	F / 130	F / 46	F / 51	C / 22	F / 51	C / 21
121 I-80 WB: US 50 to W Capitol Ave	Weave	F / 73	B / 15	F / 73	B / 17	F / 68	D / 27	F / 63	D / 26	F / 67	D / 28	F / 63	C / 25	F / 72	C / 23	F / 53	F / 71	F / 66	C / 22	F / 70	C / 25
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 71	B / 17	F / 64	C / 22											F / 61	F / 48				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 82	D / 27	F / 81	C / 25	F / 80	D / 31	F / 80	D / 26	F / 83	C / 24			F / 80	C / 23	F / 81	D / 32
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 88	C / 25	F / 82	D / 31											F / 88	F / 62				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 76	D / 30	F / 66	D / 31	F / 68	D / 27	F / 68	C / 24	F / 67	D / 32	F / 67	C / 25	F / 67	C / 23	F / 67	F / 59	F / 66	C / 22	F / 68	D / 34
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 51	D / 33	F / 48	D / 32	F / 49	D / 31	F / 49	D / 29	F / 49	D / 34	F / 49	D / 29	F / 49	D / 28	F / 48	F / 46	F / 49	D / 26	F / 48	E / 35
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 32	C / 25	D / 33	D / 26	D / 32	C / 26	D / 32	D / 26	D / 33	D / 26	D / 33	D / 26	D / 33	C / 26	D / 32	D / 29	D / 34	C / 26	D / 32	D / 26
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 32	C / 25	D / 34	D / 26	D / 32	D / 26	D / 33	D / 26	D / 33	D / 28	E / 36	D / 27	D / 34	D / 26	D / 34	D / 26	E / 36	D / 27	D / 33	D / 27
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 31	C / 24	D / 31	C / 24	D / 31	C / 25	D / 31	C / 25	D / 31	C / 25	D / 31	C / 24	D / 30	C / 23	D / 31	D / 26	D / 34	C / 25	D / 31	C / 25
129 I-80 WB: County Rd 32A On-ramp	Merge	D / 28	B / 19	D / 28	C / 22	D / 28	C / 23	D / 29	C / 22	D / 28	C / 23	D / 28	C / 22	D / 28	C / 22	D / 29	C / 25	D / 32	C / 23	D / 28	C / 23
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 31	C / 24	D / 31	C / 25	D / 32	C / 26	D / 33	C / 25	D / 32	C / 26	D / 32	C / 26	D / 31	C / 24	D / 32	D / 27	E / 35	D / 26	D / 32	D / 26
131 I-80 WB: Mace Blvd Off-ramp	Diverge	C / 21	B / 16	C / 20	B / 16	C / 21	C / 18	C / 22	C / 18	C / 21	B / 18	C / 21	B / 18	C / 20	B / 16	C / 21	C / 18	C / 24	C / 18	C / 21	C / 18
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 27	B / 18	D / 27	C / 19	D / 27	C / 19	D / 27	C / 19	D / 26	C / 19	D / 27	C / 19	C / 26	C / 19	D / 27	C / 21	D / 29	C / 19	D / 26	C / 19
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 12	A / 9	C / 21	B / 15	C / 21	B / 15	C / 21	B / 15	C / 21	B / 15	C / 21	B / 15	C / 21	B / 15	C / 20	B / 15	C / 23	B / 15	C / 20	B / 15
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 15	C / 23	B / 16	C / 22	B / 16	C / 22	B / 15	C / 22	B / 16	C / 22	B / 16	C / 21	B / 16	C / 21	B / 16	C / 24	B / 16	C / 21	B / 16
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	C / 20																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 30	C / 21	D / 29	C / 21	D / 30	C / 21	D / 29	C / 21	D / 29	C / 21	D / 28	C / 21	D / 30	C / 24	D / 32	C / 22	D / 29	C / 21
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 29	C / 20																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	D / 29	B / 20																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	C / 28	B / 20																		
I-80 WB: Richards Blvd Off-ramp	Diverge			D / 33	C / 21	D / 32	C / 22	D / 32	C / 22	D / 31	C / 22	D / 32	C / 22	D / 30	C / 21	D / 32	C / 25	E / 36	C / 23	D / 32	C / 22
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 27	B / 19																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 25	C / 18	C / 25	C / 18	C / 25	B / 18	C / 25	C / 18	C / 25	C / 18	C / 24	C / 19	C / 26	C / 21	D / 26	C / 19	C / 25	C / 18
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 28	B / 19																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	D / 29	C / 21																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 21	B / 16																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	B / 17	C / 21	C / 18	C / 21	B / 18	C / 21	C / 18	C / 21	C / 18	C / 21	C / 19	B / 17	B / 15	C / 22	C / 18	C / 21	C / 18
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 21	B / 16	C / 20	B / 16	C / 23	C / 19	C / 24	C / 19	C / 23	C / 19	C / 23	C / 19	C / 21	B / 17	B / 17	B / 15	C / 25	C / 19	C / 23	C / 19
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 15	B / 12	B / 15	B / 12	C / 18	B / 16	C / 18	B / 16	B / 18	B / 16	C / 18	B / 16	B / 17	B / 15	B / 13	B / 12	C / 19	B / 16	C / 18	B / 16
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 13	B / 10	B / 15	B / 12	B / 17	B / 13	B / 17	B / 13	B / 16	B / 13	B / 17	B / 13	B / 15	B / 12	B / 12	A / 11	B / 18	B / 13	B / 17	B / 13
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 18	B / 12	B / 16	B / 12	B / 18	B / 13	C / 19	B / 13	B / 18	B / 14	C / 18	B / 14	B / 16	B / 13	B / 13	B / 11	C / 20	B / 13	B / 18	B / 13
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 13	B / 10	B / 13	B / 11	B / 16	B / 14	B / 16	B / 14	B / 16	B / 14	B / 16	B / 14	B / 15	B / 14	B / 12	B / 12	B / 18	B / 13	B / 16	B / 13
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 18	B / 13	B / 17	B / 13	C / 18	B / 14	C / 19	B / 14	C / 18	B / 15	C / 18	B / 15	B / 16	B / 14	B / 14	B / 12	C / 20	B / 14	C / 18	B / 14
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 18	B / 14	B / 16	B / 14	B / 17	B / 14	B / 17	B / 14	B / 17	B / 14	B / 17	B / 14	B / 16	B / 14	B / 15	B / 13	C / 18	B / 14	B / 17	B / 14
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	C / 21	B / 16	C / 20	B / 17	C / 21	B / 18	C / 22	B / 17	C / 21	B / 18	C / 21	B / 18	C / 19	B / 17	C / 19	B / 1				

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 2  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	E / 39	C / 27	F / 81	C / 26	F / 98	C / 27	F / 59	C / 27	F / 102	C / 27	F / 90	C / 27	E / 42	C / 26	F / 83	C / 27	E / 40	C / 27	F / 93	C / 27
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	F / 47	C / 28	F / 84	C / 28	F / 108	D / 28	F / 61	D / 29	F / 104	D / 29	F / 92	D / 28	F / 48	D / 28	F / 89	D / 28	F / 48	D / 29	F / 95	D / 29
163 I-80 WB: Truxel Rd NB On-ramp	Basic	F / 45	C / 22	F / 83	C / 22	F / 102	C / 23	F / 61	C / 23	F / 99	C / 23	F / 93	C / 22	F / 47	C / 22	F / 90	C / 22	F / 49	C / 23	F / 94	C / 23
164 I-80 WB: Truxel Rd to I-5	Weave	E / 39	B / 20	F / 68	C / 20	F / 79	C / 21	F / 47	C / 21	F / 80	C / 21	F / 75	C / 21	F / 46	C / 20	F / 69	C / 20	E / 39	C / 21	F / 75	C / 21
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	C / 20	B / 15	F / 85	B / 15	F / 90	B / 16	F / 61	B / 16	F / 101	B / 16	F / 94	B / 16	F / 45	B / 15	F / 102	B / 15	C / 21	B / 16	F / 90	B / 16
166 I-80 WB: I-5 NB On-ramp	Merge	B / 17	B / 14	F / 102	B / 15	F / 110	B / 16	F / 81	B / 16	F / 116	B / 16	F / 109	B / 16	F / 53	B / 15	F / 112	B / 15	B / 19	B / 16	F / 109	B / 16
167 I-80 WB: I-5 to W El Camino Ave	Weave	C / 21	B / 17	F / 99	B / 17	F / 101	B / 19	F / 82	B / 19	F / 99	B / 19	F / 96	B / 19	F / 65	B / 18	F / 98	B / 18	C / 23	B / 19	F / 97	B / 19
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	C / 23	B / 19	F / 115	B / 20	F / 99	C / 22	F / 85	C / 22	F / 97	C / 22	F / 97	C / 22	F / 83	C / 20	F / 111	E / 36	C / 26	C / 22	F / 95	C / 22
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	B / 19	B / 17	F / 101	C / 20	F / 118	C / 22	F / 102	C / 22	F / 116	C / 22	F / 115	C / 22	F / 93	C / 21	F / 92	F / 67	D / 30	C / 22	F / 120	C / 22
170 I-80 WB: W El Camino EB On-ramp	Merge	B / 19	B / 17	F / 86	B / 18	F / 107	C / 23	F / 96	C / 23	F / 108	C / 23	F / 107	C / 23	F / 90	C / 23	F / 67	F / 65	E / 38	C / 23	F / 108	C / 23
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	C / 25	B / 19	F / 71	B / 20									F / 51	F / 49						
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 97	C / 25	F / 93	C / 25	F / 95	C / 25	F / 97	C / 25	F / 78	C / 27			E / 39	C / 25	F / 97	C / 25
172 I-80 WB: Lane Drop to Reed Ave	Basic	D / 35	C / 25	F / 81	C / 26									F / 68	F / 79						
173 I-80 WB: Reed Ave Off-ramp	Diverge	D / 33	D / 31	F / 91	E / 39	F / 95	D / 33	F / 93	E / 35	F / 98	D / 32	F / 96	D / 33	F / 81	E / 41	E / 35	F / 73	F / 47	D / 34	F / 96	E / 37
174 I-80 WB: Reed Ave Off to On-ramp	Basic	C / 22	B / 18	F / 109	B / 19	F / 113	B / 18	F / 111	B / 18	F / 114	B / 18	F / 112	B / 18	F / 106	B / 19	C / 21	F / 70	F / 56	B / 18	F / 114	B / 17
175 I-80 WB: Reed Ave On-ramp	Merge	C / 22	C / 23	F / 101	C / 24	F / 92	C / 20	F / 91	C / 20	F / 93	C / 20	F / 93	C / 20	F / 92	C / 21	C / 23	F / 89	F / 60	C / 23	F / 92	B / 19
176 I-80 WB: Reed Ave to US 50	Basic	C / 26	D / 28	F / 100	C / 24	F / 83	C / 21	F / 86	C / 21	F / 84	C / 20	F / 84	C / 20	F / 80	B / 19	B / 20	F / 86	F / 68	C / 24	F / 84	B / 20
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	D / 31	D / 33	F / 70	C / 25	F / 72	B / 20	F / 70	C / 20	F / 69	B / 20	F / 70	B / 19	F / 68	B / 17	C / 20	F / 74	F / 68	C / 22	F / 72	B / 19
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	E / 36	B / 13	F / 65	B / 14	F / 74	B / 17	F / 66	B / 17	F / 71	B / 16	F / 70	B / 17	F / 73	B / 14	B / 15	F / 94			F / 78	B / 15
I-80 WB: US 50 Off to On-ramp	Basic																	F / 94	B / 19		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	F / 74	C / 22	F / 96	C / 22	F / 90	C / 26	F / 88	D / 28	F / 90	D / 33	F / 90	D / 29	F / 93	C / 22	C / 24	F / 107			F / 93	C / 26

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	F / 86	F / 104	F / 55	F / 104	F / 58	F / 116	F / 49	F / 114	F / 53	F / 109	F / 55	F / 115	F / 55	F / 109	F / 102	F / 151	F / 54	F / 116	F / 58	F / 119
102 US 50 WB: SR 51 to 16th St	Weave	E / 40	F / 73	D / 33	F / 84	D / 33	F / 101	D / 33	F / 103	D / 32	F / 87	D / 33	F / 99	D / 34	F / 102	F / 109	F / 131	D / 33	F / 100	D / 33	F / 99
103 US 50 WB: 10th St Off-ramp	Diverge	C / 27	F / 86	D / 33	F / 91	D / 27	F / 111	D / 27	F / 114	D / 28	F / 108	D / 27	F / 112	D / 28	F / 111	F / 120	F / 122	D / 29	F / 116	D / 27	F / 114
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 22	F / 82	C / 21	F / 90	C / 22	F / 97	C / 22	F / 94	C / 22	F / 95	C / 22	F / 96	C / 21	F / 95	F / 131	F / 115	C / 22	F / 94	C / 22	F / 98
105 US 50 WB: 15th St to I-5	Weave	B / 20	F / 50	B / 18	F / 55	C / 21	F / 73	C / 21	F / 71	C / 21	F / 69	C / 21	F / 71	C / 22	F / 73	F / 104	F / 74	C / 21	F / 71	C / 21	F / 70
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 17	E / 36	C / 19	C / 19	B / 18	B / 16	B / 18	B / 13	C / 18	B / 14	C / 18	B / 12	C / 20	B / 12	F / 135	F / 99	B / 18	B / 13	C / 18	B / 14
107 US 50 WB: 5th St On-ramp	Merge	B / 18	E / 42	D / 31	B / 14	C / 22	A / 11	C / 21	A / 10	C / 24	A / 11	C / 21	A / 10	D / 33	A / 9	F / 131	F / 99	C / 23	A / 10	C / 22	A / 11
108 US 50 WB: I-5 On-ramp	Merge	C / 27	F / 54	F / 60	C / 20	E / 38	C / 22	D / 34	C / 21	E / 41	C / 20	E / 35	C / 21	F / 67	C / 18	F / 143	F / 63	E / 42	C / 21	E / 36	C / 22
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	C / 27	D / 29	F / 67	D / 28	D / 29	C / 23	D / 29	C / 22	D / 29	C / 22	D / 29	C / 22	F / 69	C / 20	F / 142	C / 23	D / 28	C / 22	D / 28	C / 23
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	C / 23	C / 21	F / 75	C / 24	C / 25	C / 21	C / 25	C / 20	C / 25	C / 21	C / 26	C / 20	F / 88	C / 20	F / 127	C / 24	C / 25	C / 20	C / 25	C / 22
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	B / 17	B / 17	F / 84	C / 20																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					C / 22	C / 22	C / 21	C / 21	C / 21	C / 21	C / 22	C / 20	F / 70	C / 19	F / 80	B / 16	C / 25	C / 21	C / 21	C / 23
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	B / 19	B / 20	F / 92	C / 21																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 15	B / 16	F / 75	B / 17																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 15	B / 15	F / 68	B / 16																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 13	B / 13	F / 101	B / 13	C / 20	B / 18	C / 19	B / 17	C / 20	B / 18	C / 20	B / 17	F / 90	B / 17	F / 103	B / 14	D / 34	B / 18	C / 20	B / 17
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 12	B / 13	F / 95	B / 12	B / 17	B / 16	B / 17	B / 15	B / 17	B / 16	B / 17	B / 15	F / 60	B / 15	F / 63	B / 13	D / 26	B / 16	B / 18	B / 15
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	B / 12	B / 13	F / 86	B / 12	A / 9	A / 9	A / 8	A / 9	A / 9	A / 9	A / 9	A / 9	D / 31	A / 9	F / 89	B / 12	B / 15	A / 9	A / 10	A / 11
118 US 50 WB: I-80 EB Off-ramp	Basic	D / 29	B / 15	F / 96	B / 13	C / 20	B / 17	B / 18	B / 16	C / 20	B / 16	C / 18	B / 16	E / 44	B / 16	F / 95	B / 14	D / 30	B / 16	C / 21	B / 16
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	F / 83	B / 11	F / 100	B / 11	C / 23	B / 15	C / 18	B / 14	D / 27	B / 14	C / 20	B / 14	F / 60	B / 15	F / 153	E / 36	F / 45	B / 14	C / 24	B / 13
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	F / 108	B / 16	F / 106	B / 15	E / 37	C / 22	D / 30	C / 21	E / 38	C / 22	D / 33	C / 21	F / 57	C / 22	F / 119	F / 58	F / 61	C / 22	E / 37	C / 20
121 I-80 WB: US 50 to W Capitol Ave	Weave	F / 72	E / 41	F / 74	C / 18	F / 64	D / 26	F / 58	C / 24	F / 64	C / 26	F / 61	C / 24	F / 71	C / 22	F / 67	F / 76	F / 62	C / 20	F / 67	C / 26
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 66	F / 60	F / 63	D / 27											F / 58	F / 53				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 76	E / 39	F / 76	D / 32	F / 78	E / 35	F / 76	D / 27	F / 82	C / 23			F / 68	C / 22	F / 79	E / 41
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 84	F / 66	F / 82	E / 39											F / 84	F / 70				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 69	F / 62	F / 66	E / 44	F / 63	F / 47	F / 63	E / 37	F / 64	E / 39	F / 63	D / 30	F / 67	C / 25	F / 64	F / 64	F / 58	C / 24	F / 65	F / 46
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 51	F / 49	F / 48	E / 43	F / 48	E / 43	F / 47	E / 40	F / 48	E / 39	F / 48	E / 36	F / 49	D / 33	F / 47	F / 48	F / 47	D / 32	F / 48	E / 43
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 32	C / 26	D / 33	D / 28	D / 32	D / 27	D / 32	D / 27	D / 32	D / 27	D / 32	D / 27	D / 33	D / 26	D / 32	D / 29	D / 33	D / 27	D / 31	D / 27
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 32	C / 27	D / 34	D / 29	D / 32	D / 28	D / 33	D / 28	D / 33	D / 28	D / 33	D / 28	D / 34	D / 28	D / 35	D / 30	D / 33	D / 28	D / 32	D / 28
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 31	C / 24	D / 31	C / 24	D / 30	C / 25	D / 31	C / 25	D / 30	C / 25	D / 30	C / 24	D / 31	C / 23	D / 30	C / 26	D / 32	C / 25	D / 30	C / 25
129 I-80 WB: County Rd 32A On-ramp	Merge	C / 26	C / 20	D / 28	C / 22	D / 28	C / 23	D / 28	C / 22	D / 28	C / 22	D / 28	C / 22	D / 28	C / 21	D / 28	C / 24	D / 28	C / 22	D / 27	C / 23
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 31	C / 24	D / 31	C / 25	D / 31	D / 26	D / 32	C / 26	D / 31	C / 26	D / 31	C / 25	D / 31	C / 24	D / 31	D / 27	D / 33	D / 26	D / 31	C / 26
131 I-80 WB: Mace Blvd Off-ramp	Diverge	B / 20	B / 16	C / 20	B / 17	C / 21	C / 19	C / 21	C / 18	C / 21	C / 18	C / 20	B / 18	C / 21	B / 16	C / 20	B / 18	C / 21	C / 18	C / 21	C / 18
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 25	B / 18	C / 26	B / 18	C / 25	C / 18	C / 25	B / 18	C / 25	B / 18	C / 25	B / 18	C / 26	B / 17	C / 26	C / 20	C / 26	C / 18	C / 25	B / 18
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 13	A / 10	C / 23	B / 14	C / 21	B / 15	C / 21	B / 15	C / 21	B / 15	C / 21	B / 14	C / 21	B / 14	C / 21	B / 15	C / 22	B / 15	C / 21	B / 15
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 15	C / 23	B / 15	C / 21	B / 15	C / 22	B / 15	C / 21	B / 15	C / 22	B / 15	C / 22	B / 14	C / 21	B / 16	C / 23	B / 16	C / 21	B / 15
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	B / 20																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 30	C / 20	D / 30	C / 21	D / 32	C / 21	D / 32	C / 21	D / 31	C / 20	D / 30	C / 19	D / 32	C / 24	E / 37	C / 21	D / 30	C / 21
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 30	C / 20																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	C / 27	B / 19																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	C / 28	B / 19																		
I-80 WB: Richards Blvd Off-ramp	Diverge			E / 41	C / 21	E / 41	C / 22	E / 44	C / 21	E / 42	C / 22	E / 42	C / 21	E / 40	C / 20	E / 39	C / 24	E / 45	C / 22	E / 44	C / 21
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 25	B / 18																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 23	B / 18	C / 21	B / 17	C / 22	B / 17	C / 22	B / 18	C / 21	B / 17	C / 22	B / 17	C / 23	C / 20	C / 20	B / 18	C / 21	B / 17
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 27	B / 19																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	C / 27	C / 20																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 20	B / 16																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	B / 17	C / 20	C / 18	C / 20	B / 18	C / 20	C / 18	C / 20	C / 18	C / 20	C / 18	B / 16	B / 15	C / 19	B / 18	C / 19	B / 18
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 20	B / 16	C / 20	B / 17	C / 21	C / 18	C / 22	C / 18	C / 21	C / 18	C / 21	C / 18	C / 19	B / 17	B / 16	B / 15	C / 20	C / 18	C / 21	B / 18
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 15	B / 12	B / 15	B / 13	B / 17	B / 16	C / 18	B / 16	B / 18	B / 16	B / 18	B / 16	B / 17	B / 15	B / 13	B / 12	B / 17	B / 16	B / 17	B / 16
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 12	B / 10	B / 13	B / 12	B / 14	B / 13	B / 15	B / 13	B / 14	B / 13	B / 14	B / 13	B / 13	B / 12	A / 11	A / 11	B / 14	B / 13	B / 14	B / 12
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 14	B / 11	B / 13	B / 11	B / 14	B / 12	B / 15	B / 12	B / 14	B / 12	B / 14	B / 12	B / 13	B / 11	A / 11	A / 11	B / 13	B / 11	B / 14	B / 12
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 11	A / 9	A / 11	B / 11	B / 13	B / 12	B / 13	B / 12	B / 13	B / 12	B / 13	B / 12	B / 13	B / 12	A / 10	B / 11	B / 12	B / 11	B / 13	B / 12
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 15	B / 12	B / 14	B / 13	B / 14	B / 13	B / 15	B / 13	B / 15	B / 13	B / 15	B / 13	B / 14	B / 12	B / 11	B / 12	B / 14	B / 12	B / 15	B / 13
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 15	B / 13	B / 14	B / 14	B / 15	B / 13	B / 15	B / 13	B / 15	B / 13	B / 15	B / 13	B / 15	B / 13	B / 12	B / 14	B / 14	B / 13	B / 15	B / 13
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	B / 18	B / 16	B / 17	B / 17	C / 18	B / 16	C / 18	B / 16	C / 19	B / 16	C / 19	B / 16	C / 18	B / 17	B / 16	B / 17	B			

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 3  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	E / 42	C / 25	F / 105	C / 25	F / 100	C / 26	F / 92	C / 26	F / 97	C / 26	F / 105	C / 26	F / 87	C / 26	F / 94	C / 26	F / 100	C / 26	F / 98	C / 26
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	F / 50	C / 26	F / 105	C / 26	F / 103	C / 27	F / 98	C / 27	F / 100	C / 27	F / 108	C / 27	F / 90	C / 27	F / 96	C / 26	F / 100	C / 27	F / 99	C / 27
163 I-80 WB: Truxel Rd NB On-ramp	Basic	F / 48	C / 21	F / 103	C / 21	F / 100	C / 22	F / 95	C / 22	F / 98	C / 22	F / 103	C / 22	F / 92	C / 21	F / 95	C / 21	F / 97	C / 22	F / 98	C / 22
164 I-80 WB: Truxel Rd to I-5	Weave	E / 40	B / 19	F / 84	B / 19	F / 81	C / 20	F / 74	C / 20	F / 80	B / 20	F / 85	C / 20	F / 72	B / 19	F / 76	C / 23	F / 78	B / 20	F / 80	B / 20
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	C / 21	B / 14	F / 105	B / 14	F / 91	B / 16	F / 94	B / 16	F / 100	B / 16	F / 100	B / 16	F / 93	B / 15	F / 111	F / 55	F / 77	B / 15	F / 93	B / 16
166 I-80 WB: I-5 NB On-ramp	Merge	B / 18	B / 13	F / 115	B / 14	F / 110	B / 16	F / 106	B / 16	F / 109	B / 16	F / 112	B / 16	F / 108	B / 15	F / 113	F / 90	F / 96	B / 15	F / 110	B / 16
167 I-80 WB: I-5 to W El Camino Ave	Weave	C / 21	B / 16	F / 109	B / 16	F / 95	B / 18	F / 94	B / 18	F / 94	B / 18	F / 96	B / 18	F / 95	B / 17	F / 99	F / 110	F / 92	B / 18	F / 96	B / 18
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	C / 22	B / 18	F / 117	B / 18	F / 93	C / 21	F / 93	C / 21	F / 93	C / 21	F / 94	C / 21	F / 96	B / 19	F / 116	F / 131	F / 101	C / 21	F / 94	C / 21
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	C / 22	B / 16	F / 108	B / 20	F / 109	C / 22	F / 106	C / 21	F / 104	C / 21	F / 111	C / 21	F / 106	C / 21	F / 95	F / 131	F / 116	C / 22	F / 108	C / 22
170 I-80 WB: W El Camino EB On-ramp	Merge	C / 22	B / 16	F / 98	B / 18	F / 97	C / 23	F / 97	C / 22	F / 96	C / 22	F / 106	C / 22	F / 95	C / 22	F / 70	F / 104	F / 104	C / 22	F / 98	C / 23
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	D / 30	B / 18	F / 75	B / 19									F / 51	F / 69						
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 88	C / 24	F / 89	C / 24	F / 87	C / 25	F / 96	C / 24	F / 79	C / 25			F / 103	C / 24	F / 88	C / 24
172 I-80 WB: Lane Drop to Reed Ave	Basic	E / 40	C / 23	F / 85	C / 25									F / 68	F / 98						
173 I-80 WB: Reed Ave Off-ramp	Diverge	D / 35	D / 28	F / 100	D / 32	F / 93	D / 34	F / 90	D / 34	F / 91	D / 32	F / 98	D / 31	F / 82	E / 35	E / 36	F / 88	F / 100	D / 34	F / 93	D / 32
174 I-80 WB: Reed Ave Off to On-ramp	Basic	D / 34	B / 17	F / 104	B / 18	F / 114	B / 17	F / 112	B / 17	F / 112	B / 17	F / 118	B / 17	F / 105	B / 17	C / 23	F / 120	F / 127	B / 17	F / 114	B / 17
175 I-80 WB: Reed Ave On-ramp	Merge	E / 42	B / 20	F / 104	C / 23	F / 92	B / 19	F / 92	B / 19	F / 92	B / 19	F / 95	B / 19	F / 92	B / 20	C / 25	F / 109	F / 101	C / 22	F / 92	B / 19
176 I-80 WB: Reed Ave to US 50	Basic	F / 51	C / 22	F / 101	C / 23	F / 84	B / 19	F / 84	B / 19	F / 83	B / 19	F / 85	B / 19	F / 80	B / 18	C / 21	F / 99	F / 95	C / 23	F / 84	B / 19
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	F / 54	C / 26	F / 70	C / 26	F / 67	B / 19	F / 67	B / 19	F / 65	B / 18	F / 70	B / 18	F / 64	B / 16	C / 21	F / 76	F / 90	C / 21	F / 69	B / 18
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	F / 51	B / 19	F / 70	B / 13	F / 75	B / 15	F / 72	B / 15	F / 71	B / 14	F / 81	B / 15	F / 74	B / 13	B / 14	F / 96			F / 78	B / 13
I-80 WB: US 50 Off to On-ramp	Basic																	F / 112	B / 17		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	F / 81	D / 30	F / 101	B / 19	F / 92	C / 23	F / 88	C / 23	F / 92	C / 22	F / 96	C / 23	F / 92	B / 20	D / 28	F / 109			F / 95	C / 21

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	F / 69	F / 72	D / 32	F / 101	D / 31	F / 104	D / 26	F / 104	C / 25	F / 102	D / 27	F / 107	D / 31	F / 91	F / 124	F / 137	D / 28	F / 105	D / 28	F / 114
102 US 50 WB: SR 51 to 16th St	Weave	E / 38	E / 41	D / 27	F / 77	D / 27	F / 79	C / 25	F / 93	C / 25	F / 79	C / 25	F / 91	D / 28	F / 77	F / 101	F / 125	D / 26	F / 94	C / 26	F / 95
103 US 50 WB: 10th St Off-ramp	Diverge	D / 29	C / 26	D / 32	F / 89	C / 26	F / 78	D / 27	F / 101	D / 27	F / 83	D / 27	F / 100	D / 28	F / 90	F / 110	F / 116	D / 26	F / 101	D / 26	F / 109
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 25	C / 26	C / 22	F / 83	C / 22	F / 72	C / 22	F / 88	C / 22	F / 78	C / 22	F / 88	C / 22	F / 89	F / 115	F / 108	C / 22	F / 82	C / 22	F / 95
105 US 50 WB: 15th St to I-5	Weave	C / 22	D / 28	B / 18	F / 50	C / 21	F / 60	C / 20	F / 66	C / 20	F / 59	C / 20	F / 67	C / 24	F / 70	F / 66	F / 71	C / 20	F / 63	C / 20	F / 69
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 19	D / 32	C / 19	B / 18	B / 18	B / 16	B / 17	B / 16	B / 18	B / 18	B / 17	B / 14	F / 68	B / 15	F / 122	F / 96	B / 18	B / 17	B / 17	B / 18
107 US 50 WB: 5th St On-ramp	Merge	B / 18	D / 31	E / 42	B / 14	C / 19	B / 12	C / 19	B / 11	C / 19	B / 13	C / 19	A / 11	F / 95	A / 11	F / 103	F / 90	C / 19	B / 12	C / 19	B / 13
108 US 50 WB: I-5 On-ramp	Merge	C / 26	E / 40	F / 86	B / 18	D / 29	B / 16	D / 27	B / 16	D / 29	B / 17	D / 28	B / 15	F / 100	B / 15	F / 119	F / 50	E / 38	B / 16	D / 30	B / 17
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	D / 30	C / 26	F / 87	C / 22	D / 28	C / 20	D / 26	C / 19	D / 27	C / 21	D / 28	C / 18	F / 90	B / 18	F / 111	C / 20	E / 41	C / 20	D / 29	C / 21
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	D / 28	B / 20	F / 92	C / 19	D / 27	B / 18	C / 26	B / 17	D / 27	C / 19	D / 26	B / 17	F / 100	B / 16	F / 113	C / 20	F / 48	B / 18	D / 33	C / 18
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	B / 20	B / 12	F / 95	B / 16																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					D / 33	B / 16	C / 21	B / 15	D / 30	B / 17	C / 22	B / 16	F / 74	B / 14	F / 83	B / 13	F / 55	B / 16	E / 42	B / 16
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	C / 22	B / 16	F / 102	B / 17																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 18	B / 13	F / 79	B / 13																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 18	B / 13	F / 66	B / 13																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 17	B / 11	F / 95	A / 10	F / 81	B / 14	C / 23	B / 13	F / 87	B / 15	D / 33	B / 13	F / 92	B / 12	F / 119	A / 11	F / 91	B / 14	F / 86	B / 14
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 14	B / 11	F / 92	A / 10	F / 59	B / 12	D / 29	B / 11	F / 61	B / 13	E / 43	B / 12	F / 61	B / 11	F / 62	A / 10	F / 61	B / 12	F / 60	B / 12
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	A / 9	B / 10	F / 86	A / 9	D / 26	A / 8	B / 13	A / 7	D / 27	A / 8	C / 22	A / 7	D / 26	A / 7	F / 62	A / 9	D / 27	A / 7	D / 27	A / 8
118 US 50 WB: I-80 EB Off-ramp	Basic	B / 16	B / 12	F / 103	A / 10	E / 43	B / 13	D / 34	B / 12	E / 43	B / 13	E / 41	B / 12	E / 43	B / 12	F / 92	B / 12	E / 44	B / 12	E / 43	B / 13
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	C / 24	A / 9	F / 97	A / 9	F / 57	B / 12	F / 51	A / 11	F / 58	B / 12	F / 54	B / 11	F / 57	A / 11	F / 163	D / 27	F / 61	B / 11	F / 54	A / 10
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	E / 37	B / 13	F / 103	B / 12	F / 55	B / 17	F / 53	B / 16	F / 52	C / 19	F / 52	B / 17	F / 51	B / 17	F / 124	D / 33	F / 58	B / 17	F / 56	B / 16
121 I-80 WB: US 50 to W Capitol Ave	Weave	E / 40	B / 18	F / 72	B / 14	F / 66	C / 20	F / 65	C / 18	F / 65	C / 20	F / 65	C / 19	F / 67	B / 17	F / 72	F / 65	F / 69	B / 16	F / 69	B / 17
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 48	C / 27	F / 60	B / 15											F / 55	F / 49				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 76	C / 21	F / 76	C / 20	F / 76	C / 22	F / 76	C / 20	F / 76	C / 18			F / 79	B / 18	F / 79	C / 19
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 68	E / 36	F / 76	C / 20											F / 79	F / 62				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 61	D / 33	F / 67	C / 19	F / 62	C / 20	F / 62	B / 17	F / 62	C / 19	F / 62	B / 17	F / 63	B / 16	F / 61	F / 57	F / 65	B / 17	F / 65	B / 17
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 49	D / 32	F / 47	C / 24	F / 48	C / 25	F / 47	C / 21	F / 48	C / 24	F / 48	C / 22	F / 48	C / 20	F / 47	F / 46	F / 49	C / 21	F / 47	C / 22
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 32	C / 24	D / 33	C / 23	D / 33	C / 23	D / 33	C / 22	D / 33	C / 23	D / 33	C / 22	D / 33	C / 21	D / 33	D / 29	D / 34	C / 22	D / 32	C / 21
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 32	C / 26	D / 35	C / 24	D / 33	C / 24	E / 35	C / 22	D / 34	C / 24	D / 35	C / 23	D / 34	C / 22	D / 35	C / 22	E / 36	C / 22	D / 33	C / 22
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 31	C / 23	D / 31	C / 20	D / 32	C / 22	D / 32	C / 20	D / 31	C / 21	D / 30	C / 20	D / 31	C / 19	D / 31	C / 25	D / 33	C / 21	D / 31	C / 20
129 I-80 WB: County Rd 32A On-ramp	Merge	D / 30	C / 23	D / 29	C / 18	D / 29	C / 20	D / 29	C / 18	D / 28	C / 20	D / 27	B / 18	D / 29	C / 18	D / 30	C / 24	D / 31	C / 19	D / 28	B / 18
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 31	C / 23	D / 32	C / 21	D / 33	C / 23	D / 33	C / 21	D / 32	C / 23	D / 31	C / 21	D / 32	C / 20	D / 32	C / 26	D / 34	C / 22	D / 32	C / 21
131 I-80 WB: Mace Blvd Off-ramp	Diverge	C / 20	B / 16	C / 21	B / 14	C / 22	B / 17	C / 21	B / 16	C / 21	B / 16	C / 21	B / 15	C / 20	B / 14	C / 22	B / 17	C / 23	B / 15	C / 21	B / 16
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 27	B / 17	D / 27	B / 16	D / 27	B / 16	D / 27	B / 15	D / 27	B / 16	D / 26	B / 15	D / 27	B / 15	D / 26	C / 18	D / 28	B / 15	D / 27	B / 15
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 15	A / 8	C / 22	B / 13	C / 22	B / 13	C / 22	B / 13	C / 22	B / 13	C / 21	B / 12	C / 22	B / 12	C / 21	B / 14	C / 26	B / 12	C / 22	B / 12
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 15	C / 23	B / 13	C / 23	B / 14	C / 23	B / 13	C / 22	B / 14	C / 22	B / 12	C / 23	B / 13	C / 21	B / 14	D / 26	B / 13	C / 23	B / 13
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	B / 19																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 31	B / 18	D / 33	C / 19	E / 35	B / 17	E / 35	C / 18	D / 32	B / 17	D / 31	B / 17	D / 33	C / 21	E / 44	B / 17	E / 35	B / 17
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 29	B / 20																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	D / 29	B / 19																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	D / 29	B / 19																		
I-80 WB: Richards Blvd Off-ramp	Diverge			E / 38	C / 18	F / 49	C / 20	F / 46	C / 18	F / 47	C / 19	E / 45	B / 18	E / 42	B / 18	E / 39	C / 22	F / 53	B / 18	F / 51	C / 18
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 27	B / 17																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 23	B / 16	C / 23	B / 16	C / 24	B / 15	C / 24	B / 16	C / 23	B / 14	C / 23	B / 15	C / 24	B / 18	C / 25	B / 15	C / 23	B / 15
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 27	B / 18																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	D / 28	B / 19																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 21	B / 15																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	B / 15	C / 21	B / 16	C / 21	B / 15	C / 21	B / 16	C / 20	B / 15	C / 20	B / 16	B / 17	B / 13	C / 22	B / 15	C / 20	B / 15
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 21	B / 15	C / 19	B / 14	C / 23	B / 16	C / 24	B / 15	C / 23	B / 16	C / 23	B / 15	C / 20	B / 14	B / 17	B / 13	C / 25	B / 15	C / 23	B / 16
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 15	B / 11	B / 14	B / 11	C / 18	B / 15	C / 19	B / 14	B / 18	B / 14	B / 18	B / 14	B / 17	B / 13	B / 13	B / 11	C / 19	B / 14	C / 18	B / 14
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 13	A / 10	B / 14	A / 10	B / 16	B / 11	B / 17	A / 11	B / 16	B / 11	B / 16	A / 11	B / 15	A / 10	B / 12	A / 9	B / 17	A / 14	B / 16	A / 11
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 17	B / 10	B / 14	A / 10	B / 17	A / 11	B / 18	A / 10	B / 17	A / 11	B / 17	A / 10	B / 15	A / 10	B / 12	A / 9	B / 18	A / 10	B / 17	A / 10
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 13	A / 8	B / 12	A / 9	B / 15	A / 10	B / 16	A / 10	B / 15	A / 11	B / 15	A / 10	B / 14	A / 10	A / 11	A / 9	B / 16	A / 10	B / 15	A / 10
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 17	B / 11	B / 15	A / 11	B / 17	B / 11	B / 18	A / 11	B / 17	B / 11	B / 17	A / 11	B / 16	A / 10	B / 12	A / 10	C / 18	A / 11	B / 17	A / 11
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 17	B / 12	B / 14	B / 11	B / 16	B / 12	B / 16	B / 11	B / 16	B / 12	B / 16	B / 12	B / 15	B / 11	B / 13	A / 11	B / 16	B / 11	B / 16	B / 11
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	B / 19	B / 14	B / 18	B / 14	C / 19	B / 15	C / 20	B / 14	C / 19	B / 15	C / 19	B / 14	C / 18	B / 14	B / 16	B / 14	C / 20	B / 14	C / 20	B / 14
151 I-80 WB: Kidwell Rd On-ramp	Merge	B / 14	B / 11	B / 14	B / 12	B / 15	B / 12	B / 16	B / 12	B / 15	B / 12	B / 15	B / 12	B / 14	B / 12	B / 13	B / 12	B / 16	B / 12	B / 15	B / 12
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	C / 21	B / 14	B / 18	B / 14	C / 21	B / 15	C / 22	B / 14	C / 21	B / 15	C / 21	B / 15	B / 19	B / 14	B / 16	B / 14	C / 22	B / 14	C / 21	B / 14
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	C / 27	B / 19	C / 24	B / 19	C / 27	B / 20	C / 28	B / 19	C / 27	B / 20	C / 27	B / 20	C / 25	B / 19	C / 21	B / 19	D / 28	B / 19	C / 27	B / 19
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	C / 26	B / 19	C / 24	C / 20	C / 27	C / 21	C / 28	C / 20	C / 27	C / 21	C / 27	C / 21	C / 25	B / 20	C / 22	C / 20	D / 28	C / 20	C / 27	C / 20

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 4  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	C / 21	C / 22	F / 91	C / 22	F / 95	C / 24	F / 75	C / 24	F / 89	C / 24	F / 83	C / 23	F / 72	C / 23	F / 76	E / 37	F / 83	C / 24	F / 94	C / 23
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	C / 23	C / 23	F / 90	C / 23	F / 96	C / 25	F / 75	C / 25	F / 86	C / 25	F / 83	C / 24	F / 78	C / 24	F / 79	F / 46	F / 84	C / 25	F / 96	C / 25
163 I-80 WB: Truxel Rd NB On-ramp	Basic	B / 19	B / 18	F / 93	B / 19	F / 94	C / 20	F / 77	C / 20	F / 88	C / 20	F / 83	B / 19	F / 80	B / 19	F / 83	F / 46	F / 83	C / 20	F / 96	B / 20
164 I-80 WB: Truxel Rd to I-5	Weave	B / 17	B / 16	F / 72	B / 18	F / 71	B / 19	F / 54	B / 19	F / 63	B / 19	F / 59	B / 18	F / 57	B / 18	F / 60	F / 47	F / 61	B / 19	F / 72	B / 18
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	B / 14	B / 11	F / 107	B / 13	F / 79	B / 14	F / 64	B / 14	F / 79	B / 14	F / 72	B / 13	F / 77	B / 13	F / 96	F / 73	F / 51	B / 13	F / 82	B / 13
166 I-80 WB: I-5 NB On-ramp	Merge	B / 12	B / 10	F / 111	B / 12	F / 100	B / 13	F / 74	B / 13	F / 91	B / 13	F / 79	B / 13	F / 92	B / 13	F / 102	F / 130	F / 64	B / 13	F / 97	B / 13
167 I-80 WB: I-5 to W El Camino Ave	Weave	B / 14	B / 12	F / 95	B / 14	F / 86	B / 15	F / 76	B / 15	F / 81	B / 15	F / 74	B / 15	F / 84	B / 14	F / 85	F / 113	F / 65	B / 15	F / 87	B / 15
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	B / 16	B / 14	F / 109	B / 15	F / 98	B / 17	F / 93	B / 17	F / 100	B / 17	F / 100	B / 17	F / 98	B / 16	F / 106	F / 122	F / 75	B / 17	F / 97	B / 17
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	B / 12	B / 13	F / 95	B / 16	F / 99	B / 17	F / 100	B / 17	F / 99	B / 17	F / 99	B / 17	F / 96	B / 17	F / 89	F / 114	F / 81	B / 17	F / 97	B / 17
170 I-80 WB: W El Camino EB On-ramp	Merge	B / 12	B / 13	F / 87	B / 15	F / 94	B / 18	F / 98	B / 18	F / 98	B / 18	F / 100	B / 18	F / 91	B / 18	F / 61	F / 96	F / 64	B / 18	F / 94	B / 18
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	B / 15	B / 13	F / 74	B / 15											F / 52	F / 63				
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 88	B / 20	F / 92	B / 20	F / 92	C / 20	F / 93	B / 20	F / 80	C / 21			F / 63	B / 20	F / 89	B / 19
172 I-80 WB: Lane Drop to Reed Ave	Basic	C / 21	B / 18	F / 85	C / 20											F / 69	F / 91				
173 I-80 WB: Reed Ave Off-ramp	Diverge	C / 22	C / 20	F / 100	C / 26	F / 93	C / 22	F / 95	C / 25	F / 95	C / 23	F / 98	C / 23	F / 84	C / 25	E / 36	F / 81	F / 63	C / 23	F / 93	C / 23
174 I-80 WB: Reed Ave Off to On-ramp	Basic	B / 16	B / 13	F / 112	B / 14	F / 113	B / 14	F / 114	B / 14	F / 114	B / 14	F / 115	B / 14	F / 108	B / 15	C / 23	F / 100	F / 89	B / 14	F / 115	B / 14
175 I-80 WB: Reed Ave On-ramp	Merge	B / 18	B / 14	F / 104	B / 16	F / 91	B / 14	F / 91	B / 14	F / 91	B / 14	F / 92	B / 13	F / 92	B / 14	C / 26	F / 98	F / 89	B / 16	F / 91	B / 14
176 I-80 WB: Reed Ave to US 50	Basic	C / 21	B / 16	F / 101	B / 17	F / 83	B / 15	F / 83	B / 15	F / 83	B / 14	F / 82	B / 15	F / 80	B / 14	D / 31	F / 89	F / 81	B / 17	F / 83	B / 15
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	C / 21	B / 16	F / 71	B / 17	F / 68	B / 15	F / 70	B / 15	F / 69	B / 14	F / 68	B / 14	F / 67	B / 13	F / 46	F / 74	F / 76	B / 16	F / 67	B / 14
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	B / 16	A / 9	F / 67	B / 11	F / 73	B / 13	F / 73	B / 13	F / 73	B / 12	F / 72	B / 13	F / 74	B / 11	F / 54	F / 93			F / 72	B / 11
I-80 WB: US 50 Off to On-ramp	Basic																	F / 89	B / 14		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	D / 33	B / 16	F / 96	B / 16	F / 89	B / 20	F / 89	B / 19	F / 89	B / 19	F / 89	B / 19	F / 89	B / 17	F / 87	F / 105			F / 91	B / 17

**Travel Time – Opening Year 2029**

Path	Type	6 to 7 AM									7 to 8 AM									
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.8	12.5	12.6	13.2	12.8	12.7	12.7	12.8	12.8	14.1	12.6	12.7
	GP	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	12.5	12.6	13.2	12.8	12.8	12.8	12.8	12.8	14.9	12.7	12.8
	ML	12.6	12.3	12.3	12.3	12.3	12.3	12.7	12.4	12.3	12.3	13.2	12.4	12.5	12.4	12.4	12.7	12.6	12.5	12.4
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	9.3	5.4	5.4	5.4	5.3	5.4	5.4	5.4	5.4	9.9	6.5	6.1	6.3	6.0	7.0	6.1	6.4	6.5	
	GP	9.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.9	6.9	6.2	6.6	6.1	7.1	6.3	6.7	6.8	
	ML	5.2	5.0	5.0	5.0	5.0	5.2	5.0	5.0	5.0	5.7	5.1	5.1	5.1	5.1	5.2	5.1	5.1	5.1	
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.4	5.3	5.1	5.5	5.2	5.2	5.3	5.2	5.3	5.5	5.2	
	GP	5.4	5.1	5.1	5.1	5.1	5.1	5.1	5.4	5.4	5.1	5.5	5.3	5.3	5.3	5.2	5.3	5.6	5.5	
	ML	5.2	5.1	5.1	5.2	5.2	5.3	5.2	5.3	5.1	5.3	5.2	5.2	5.2	5.2	5.3	5.2	5.3	5.2	

Path	Type	3 to 4 PM									4 to 5 PM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	26.6	19.5	18.6	17.7	18.0	27.6	61.8	18.5	18.6	34.6	28.2	25.4	23.5	24.4	35.7	137.3	25.8	30.9
	GP	26.6	22.8	21.7	20.5	21.0	27.8	106.0	21.7	22.0	34.6	34.6	30.3	28.2	29.1	35.9	194.8	31.7	42.0
	ML	26.6	15.6	15.1	14.2	14.3	19.8	50.4	14.8	14.7	34.6	21.3	19.8	17.8	18.7	26.8	115.6	19.5	21.7
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	9.4	10.8	9.8	9.8	9.6	10.6	14.6	10.8	11.4	11.2	12.9	11.7	10.7	10.6	12.3	14.2	12.8	14.1
	GP	9.7	14.6	12.6	12.5	11.6	11.0	21.6	14.4	16.1	11.6	17.5	15.1	13.2	12.7	12.7	19.3	17.3	20.4
	ML	8.2	5.9	5.7	5.7	5.6	5.4	8.4	5.9	6.0	9.7	6.5	6.1	6.0	5.9	5.9	7.0	6.4	7.1
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	5.8	10.0	10.5	10.7	11.0	6.7	5.8	10.6	11.3	6.6	16.0	17.3	18.3	17.9	9.6	5.9	16.5	16.7
	GP	5.9	13.3	14.2	13.9	14.2	7.5	5.9	14.7	16.2	7.1	23.2	25.1	25.9	24.7	11.2	6.1	24.4	24.8
	ML	5.4	6.3	6.4	6.4	6.5	5.5	5.3	6.6	6.6	5.8	8.3	8.9	9.3	9.1	6.0	5.3	7.6	8.5

**Travel Time – Opening Year 2029**

Path	Type	8 to 9 AM									9 to 10 AM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	12.9	12.7	12.7	12.7	12.8	12.8	15.7	12.6	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.6	12.5	12.6
	GP	12.9	12.8	12.7	12.7	12.8	12.8	18.0	12.7	12.7	12.6	12.7	12.6	12.6	12.6	12.7	14.1	12.5	12.7
	ML	12.9	12.4	12.4	12.4	12.4	12.7	12.7	12.4	12.4	12.6	12.3	12.4	12.3	12.3	12.7	12.5	12.4	12.3
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	9.5	7.4	6.6	6.2	6.6	7.8	6.4	7.8	7.9	9.3	7.5	7.9	8.2	7.2	11.3	7.8	8.7	8.3
	GP	9.5	8.0	7.0	6.4	6.9	8.0	6.6	8.7	8.8	9.3	8.3	9.0	9.9	7.9	11.5	8.9	10.4	9.6
	ML	5.9	5.2	5.1	5.0	5.1	5.3	5.1	5.2	5.2	8.1	5.2	5.3	5.3	5.1	5.5	5.3	5.4	5.3
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	5.4	5.2	5.2	5.3	5.2	5.2	5.5	5.4	5.2	5.4	5.2	5.2	5.2	5.2	5.2	5.4	5.4	5.2
	GP	5.5	5.3	5.3	5.3	5.2	5.3	5.6	5.5	5.2	5.4	5.2	5.2	5.2	5.2	5.2	5.5	5.4	5.2
	ML	5.3	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.2	5.3	5.2

Path	Type	5 to 6 PM									6 to 7 PM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	36.9	33.3	34.3	34.5	35.2	41.1	111.2	31.2	50.1	31.9	36.0	42.7	41.6	44.8	38.6	89.1	38.4	44.1
	GP	36.9	41.3	44.2	45.2	44.1	41.6	150.8	40.2	64.7	31.9	44.5	52.2	50.4	54.4	38.8	108.0	48.2	51.0
	ML	36.9	24.7	24.4	23.7	25.0	30.3	97.2	22.5	37.9	31.9	27.3	32.9	32.0	34.2	31.8	80.9	28.9	36.2
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	8.3	10.5	8.4	7.0	7.1	7.7	14.4	9.2	15.0	6.7	6.3	6.3	6.3	6.4	6.1	14.9	6.4	11.2
	GP	8.6	13.1	9.5	7.4	7.6	8.0	19.5	10.7	21.4	6.8	6.6	6.5	6.5	6.6	6.2	19.1	6.7	14.7
	ML	7.0	5.8	5.6	5.4	5.4	5.5	7.1	5.7	6.8	5.5	5.1	5.1	5.1	5.1	5.2	8.1	5.1	5.7
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	7.2	15.0	15.8	16.0	16.0	10.7	5.7	15.8	14.5	6.8	13.8	14.4	13.5	14.5	7.6	6.1	15.0	13.3
	GP	7.6	20.5	21.6	21.4	21.2	12.2	5.9	21.4	19.7	6.8	18.8	19.3	17.3	18.8	8.4	6.5	20.4	18.0
	ML	6.5	8.2	8.6	8.5	8.5	6.5	5.3	6.9	7.5	6.5	7.6	7.8	7.4	7.8	5.8	5.4	6.9	7.3



**Planning Time Index – Opening Year 2029**

Path	Type	6 to 7 AM									7 to 8 AM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.04	1.04	1.04	1.03	1.03	1.04	1.06	1.04	1.04	1.11	1.05	1.05	1.05	1.05	1.06	1.20	1.05	1.05
	GP	1.04	1.05	1.04	1.04	1.04	1.05	1.07	1.05	1.04	1.11	1.06	1.05	1.06	1.06	1.06	1.30	1.06	1.05
	ML	1.04	1.02	1.02	1.01	1.01	1.04	1.02	1.03	1.02	1.11	1.02	1.03	1.02	1.02	1.05	1.04	1.04	1.02
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.88	1.10	1.10	1.09	1.09	1.09	1.10	1.10	1.09	2.05	1.44	1.27	1.46	1.24	1.51	1.29	1.40	1.45
	GP	1.88	1.12	1.10	1.10	1.09	1.10	1.11	1.11	1.10	2.05	1.59	1.32	1.56	1.27	1.55	1.35	1.51	1.57
	ML	1.04	1.01	1.01	1.01	1.01	1.04	1.02	1.01	1.01	1.23	1.05	1.03	1.05	1.02	1.06	1.03	1.04	1.04
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.04	1.03	1.03	1.03	1.03	1.04	1.05	1.03	1.03	1.07	1.06	1.09	1.09	1.06	1.06	1.09	1.06	1.07
	GP	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.07	1.07	1.11	1.11	1.06	1.07	1.10	1.06	1.08
	ML	1.01	1.04	1.04	1.04	1.04	1.04	1.07	1.01	1.03	1.03	1.05	1.05	1.05	1.05	1.08	1.02	1.03	1.05

Path	Type	3 to 4 PM									4 to 5 PM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	2.36	1.72	1.62	1.59	1.65	2.54	5.62	1.66	1.65	3.03	2.59	2.28	2.06	2.23	3.15	11.59	2.41	3.09
	GP	2.36	1.98	1.89	1.85	1.92	2.55	8.72	1.96	1.99	3.03	3.26	2.71	2.49	2.65	3.18	16.02	3.00	4.51
	ML	2.36	1.39	1.32	1.28	1.31	1.86	4.56	1.33	1.33	3.03	1.89	1.80	1.64	1.74	2.41	9.66	1.83	2.07
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	2.33	2.33	2.19	2.11	2.09	2.41	3.10	2.37	2.46	2.86	2.80	2.45	2.42	2.42	2.87	2.98	2.76	3.01
	GP	2.39	3.24	3.03	2.78	2.66	2.53	4.36	3.36	3.58	2.94	3.89	3.24	3.14	3.10	3.00	3.90	3.72	4.38
	ML	2.09	1.23	1.18	1.18	1.14	1.10	1.80	1.24	1.26	2.56	1.37	1.24	1.25	1.22	1.45	1.36	1.56	1.56
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.19	2.10	2.20	2.25	2.26	1.45	1.16	2.30	2.41	1.50	3.29	3.61	3.75	3.60	2.23	1.19	3.47	3.59
	GP	1.25	2.93	3.07	3.01	2.99	1.69	1.20	3.35	3.74	1.71	4.83	5.34	5.35	5.01	2.67	1.23	5.15	5.31
	ML	1.06	1.28	1.26	1.29	1.29	1.09	1.04	1.35	1.33	1.24	1.71	1.85	1.92	1.82	1.25	1.03	1.54	1.90

**Planning Time Index – Opening Year**

Path	Type	8 to 9 AM									9 to 10 AM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.07	1.05	1.05	1.04	1.06	1.05	1.32	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.05	1.16	1.04	1.04
	GP	1.07	1.05	1.05	1.05	1.07	1.06	1.55	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.05	1.23	1.04	1.05
	ML	1.07	1.02	1.02	1.02	1.02	1.05	1.05	1.03	1.02	1.04	1.02	1.02	1.02	1.01	1.05	1.03	1.03	1.02
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.94	1.85	1.53	1.33	1.58	1.87	1.36	1.77	1.79	1.88	1.85	1.91	2.17	1.77	2.64	1.98	2.17	1.97
	GP	1.94	2.16	1.72	1.40	1.73	1.99	1.43	2.03	2.09	1.88	2.29	2.44	2.94	2.06	2.76	2.45	2.90	2.46
	ML	1.35	1.09	1.06	1.02	1.05	1.07	1.03	1.08	1.09	1.94	1.09	1.11	1.13	1.07	1.12	1.11	1.13	1.11
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.06	1.06	1.07	1.10	1.05	1.06	1.08	1.06	1.06	1.04	1.04	1.04	1.04	1.04	1.05	1.06	1.04	1.04
	GP	1.06	1.06	1.08	1.12	1.05	1.06	1.08	1.06	1.06	1.04	1.05	1.04	1.04	1.04	1.05	1.06	1.04	1.04
	ML	1.03	1.05	1.05	1.05	1.05	1.08	1.02	1.04	1.05	1.02	1.04	1.04	1.04	1.04	1.07	1.01	1.03	1.04

Path	Type	5 to 6 PM									6 to 7 PM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	3.18	3.04	3.12	3.43	3.24	3.58	9.83	2.89	4.59	2.84	3.76	3.86	3.92	4.09	3.27	8.16	3.59	4.14
	GP	3.18	3.78	4.13	4.29	4.06	3.61	12.40	3.65	5.92	2.84	4.72	4.85	4.86	5.14	3.29	8.89	4.68	4.86
	ML	3.18	2.30	2.22	2.41	2.35	2.69	8.56	2.15	3.51	2.84	2.95	3.02	3.05	3.12	2.70	7.38	2.72	3.40
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	2.09	2.47	1.84	1.52	1.60	1.72	3.02	2.19	3.14	1.54	1.30	1.29	1.29	1.31	1.30	3.12	1.30	2.48
	GP	2.14	3.27	2.16	1.63	1.77	1.80	3.93	2.70	4.60	1.58	1.36	1.34	1.35	1.37	1.34	3.84	1.37	3.42
	ML	1.81	1.25	1.14	1.10	1.10	1.13	1.51	1.17	1.41	1.30	1.03	1.03	1.03	1.03	1.06	1.77	1.03	1.20
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.68	3.07	3.16	3.25	3.21	2.82	1.14	3.16	3.01	1.44	2.77	2.92	2.77	2.94	1.89	1.27	3.05	2.71
	GP	1.81	4.27	4.41	4.43	4.31	3.24	1.18	4.27	4.10	1.45	3.81	3.94	3.61	3.88	2.16	1.39	4.26	3.72
	ML	1.46	1.66	1.70	1.73	1.71	1.51	1.03	1.36	1.60	1.40	1.51	1.56	1.48	1.56	1.23	1.07	1.39	1.47

**Travel Time Reliability Index – Opening Year 2029**

Path	Type	6 to 7 AM									7 to 8 AM									
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00
	GP	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.03	1.00	1.00
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.00	1.02	1.00	1.00	1.01	1.00	1.01	1.01	1.01	1.02	1.11	1.02	1.07	1.01	1.04	1.05	1.06	1.07	
	GP	1.00	1.02	1.00	1.01	1.01	1.00	1.00	1.01	1.01	1.02	1.15	1.02	1.09	1.01	1.04	1.06	1.09	1.09	
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.02	1.02	1.00	1.00	1.00	1.00	1.00	1.01	1.01	
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.01	1.00	1.00	1.01	1.00	1.00	
	GP	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01	1.00	1.01	1.01	1.00	1.00	
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Path	Type	3 to 4 PM									4 to 5 PM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.03	1.04	1.03	1.09	1.07	1.06	1.04	1.03	1.05	1.05	1.04	1.03	1.02	1.09	1.03	1.02	1.09	1.20
	GP	1.03	1.03	1.03	1.07	1.07	1.06	1.00	1.04	1.05	1.05	1.06	1.05	1.06	1.07	1.03	1.00	1.12	1.22
	ML	1.03	1.05	1.04	1.08	1.07	1.08	1.05	1.06	1.09	1.05	1.07	1.04	1.07	1.11	1.05	1.01	1.11	1.16
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.10	1.02	1.05	1.02	1.08	1.07	1.02	1.06	1.06	1.17	1.04	1.03	1.08	1.15	1.11	1.04	1.04	1.03
	GP	1.10	1.03	1.09	1.04	1.14	1.10	1.00	1.07	1.08	1.17	1.06	1.05	1.13	1.23	1.05	1.00	1.01	1.04
	ML	1.11	1.02	1.01	1.01	1.01	1.01	1.04	1.02	1.04	1.19	1.02	1.00	1.02	1.02	1.02	1.03	1.02	1.06
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.04	1.05	1.04	1.08	1.04	1.05	1.01	1.06	1.06	1.04	1.03	1.05	1.03	1.02	1.09	1.01	1.05	1.11
	GP	1.06	1.09	1.03	1.11	1.07	1.09	1.01	1.11	1.12	1.09	1.04	1.08	1.04	1.02	1.10	1.01	1.03	1.13
	ML	1.00	1.03	1.02	1.03	1.01	1.01	1.00	1.02	1.02	1.05	1.01	1.05	1.03	1.02	1.04	1.00	1.01	1.15

**Travel Time Reliability Index – Op**

Path	Type	8 to 9 AM									9 to 10 AM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00
	GP	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00
	ML	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.01	1.14	1.15	1.03	1.12	1.11	1.06	1.09	1.05	1.00	1.11	1.09	1.31	1.21	1.04	1.13	1.11	1.07
	GP	1.01	1.20	1.20	1.05	1.15	1.13	1.08	1.11	1.13	1.00	1.17	1.11	1.46	1.28	1.06	1.20	1.16	1.12
	ML	1.10	1.02	1.01	1.00	1.01	1.01	1.00	1.03	1.02	1.09	1.03	1.02	1.04	1.03	1.01	1.01	1.02	1.02
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.00	1.00	1.01	1.01	1.00	1.01	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	GP	1.00	1.00	1.01	1.02	1.00	1.01	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Path	Type	5 to 6 PM									6 to 7 PM								
		Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.03	1.09	1.06	1.18	1.11	1.02	1.04	1.04	1.03	1.08	1.09	1.03	1.06	1.06	1.01	1.05	1.06	1.12
	GP	1.03	1.06	1.03	1.19	1.07	1.03	1.00	1.08	1.08	1.08	1.19	1.03	1.07	1.07	1.01	1.00	1.03	1.17
	ML	1.03	1.10	1.08	1.17	1.05	1.04	1.04	1.07	1.03	1.08	1.10	1.03	1.06	1.06	1.01	1.05	1.07	1.10
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.23	1.07	1.03	1.05	1.05	1.11	1.02	1.12	1.02	1.03	1.01	1.01	1.00	1.01	1.05	1.04	1.01	1.09
	GP	1.22	1.08	1.05	1.07	1.05	1.08	1.00	1.12	1.02	1.03	1.01	1.01	1.00	1.02	1.05	1.00	1.00	1.12
	ML	1.28	1.03	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.00	1.03
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.08	1.03	1.01	1.04	1.04	1.23	1.01	1.02	1.04	1.09	1.02	1.02	1.01	1.03	1.16	1.04	1.04	1.03
	GP	1.08	1.04	1.03	1.04	1.05	1.22	1.02	1.02	1.06	1.08	1.01	1.02	1.02	1.04	1.13	1.05	1.05	1.04
	ML	1.15	1.03	1.01	1.05	1.02	1.16	1.00	1.01	1.09	1.12	1.02	1.02	1.01	1.03	1.09	1.01	1.03	1.03

**Average Travel Time – Opening Year 2029**

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	13.8	13.1	13.1	13.1	13.1	13.3	13.5	13.2	13.2	14.2	13.4	13.3	13.3	13.3	13.7	13.8	13.2	13.4
	GP	13.8	13.4	13.4	13.4	13.4	13.4	13.9	13.4	13.5	14.2	13.8	13.7	13.7	13.7	13.8	14.3	13.7	13.9
	ML	13.8	12.7	12.7	12.7	12.7	12.8	13.5	12.5	12.7	14.2	12.8	12.8	12.8	12.8	12.9	13.8	12.4	12.8
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	11.8	5.7	5.2	5.9	5.5	12.1	24.9	5.8	5.9	16.4	5.4	5.1	5.6	5.2	11.0	36.3	5.6	5.7
	GP	11.8	6.1	5.3	6.4	5.8	12.9	34.6	6.2	6.3	16.4	5.7	5.2	5.9	5.4	11.6	59.3	5.9	6.1
	ML	11.8	5.2	4.9	5.3	5.1	8.7	22.8	4.8	5.3	16.2	5.0	4.8	5.1	4.9	8.1	32.6	4.8	5.1
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	12.8	13.2	11.5	12.0	12.4	9.4	8.6	5.6	12.4	17.7	19.1	15.6	18.6	17.9	14.2	11.7	6.6	19.1
	GP	13.0	13.5	11.4	13.0	12.6	9.7	11.4	5.8	12.6	22.4	25.4	19.1	25.3	23.4	16.6	17.4	7.9	25.2
	ML	12.4	16.1	13.7	11.9	13.9	7.6	6.5	5.1	15.0	14.0	16.9	12.9	12.8	13.2	8.6	7.1	5.3	17.3
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	12.3	12.2	12.1	12.2	12.1	12.2	12.4	12.1	12.1	12.4	12.3	12.2	12.3	12.2	12.2	13.4	12.2	12.3
	GP	12.3	12.2	12.2	12.2	12.2	12.2	12.5	12.1	12.2	12.4	12.3	12.2	12.4	12.2	12.2	14.0	12.2	12.4
	ML	12.3	12.0	12.0	12.0	12.0	12.0	11.9	12.1	12.1	12.4	12.0	12.0	12.0	12.0	11.9	12.2	12.1	12.0
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	5.5	5.5	5.6	5.6	5.7	5.2	12.8	5.6	5.6	8.0	8.0	8.0	7.7	7.9	8.2	12.7	7.9	7.6
	GP	5.6	5.8	5.9	5.9	6.0	5.3	19.3	5.9	6.1	10.0	10.4	10.4	9.6	10.0	10.5	19.0	10.2	9.5
	ML	5.2	4.8	4.8	4.8	4.8	4.7	7.5	4.8	4.8	6.3	5.3	5.3	5.2	5.3	5.4	7.3	5.3	5.1
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	5.2	5.2	5.2	5.2	5.2	5.2	5.4	5.2	5.2	5.3	5.2	5.3	5.3	5.2	5.3	8.8	5.2	5.2
	GP	5.2	5.2	5.2	5.2	5.2	5.2	5.4	5.2	5.2	5.3	5.3	5.3	5.3	5.2	5.3	10.2	5.2	5.3
	ML	5.1	5.1	5.1	5.0	5.0	5.1	5.1	5.0	5.0	5.2	5.1	5.1	5.1	5.1	5.1	7.3	5.0	5.1

**Average Travel Time – Opening Yr**

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	14.3	13.4	13.2	13.4	13.3	13.7	13.9	13.2	13.4	14.1	13.4	13.5	13.5	13.4	13.7	13.9	13.8	13.6
	GP	14.3	13.8	13.6	13.8	13.7	13.9	14.4	13.6	13.9	14.1	13.9	13.9	13.9	13.8	13.8	14.5	14.4	14.1
	ML	14.3	12.8	12.8	12.8	12.7	12.9	13.9	12.3	12.9	14.1	12.9	12.9	12.8	12.8	12.9	13.9	12.5	13.0
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	15.4	5.2	5.1	5.2	5.1	11.2	29.1	5.9	5.3	16.9	6.2	5.4	6.1	5.6	13.3	25.4	7.3	6.5
	GP	15.4	5.3	5.1	5.3	5.2	11.9	43.6	6.3	5.4	16.9	6.9	5.7	6.7	6.0	14.4	38.5	8.3	7.3
	ML	15.2	4.9	4.8	4.9	4.8	8.2	26.3	4.9	4.9	16.9	5.6	5.0	5.5	5.1	9.4	23.2	5.5	5.8
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	21.4	18.6	17.6	17.8	18.8	16.9	12.3	16.4	18.2	20.5	16.4	15.6	15.8	15.7	15.5	12.0	10.0	16.8
	GP	28.1	25.6	23.3	24.4	25.8	21.8	18.0	27.9	25.1	25.4	21.7	18.4	20.4	19.6	18.2	16.5	12.9	22.2
	ML	16.2	12.7	13.3	10.0	12.1	9.1	7.4	8.5	12.0	16.0	11.0	13.5	9.9	11.3	8.6	8.2	5.7	11.4

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	12.6	12.4	12.2	12.3	12.2	12.2	13.7	12.2	12.3	12.1	12.0	12.0	12.0	12.0	12.0	13.0	12.0	12.0
	GP	12.6	12.5	12.3	12.4	12.3	12.2	14.7	12.2	12.4	12.1	12.0	12.0	12.0	12.0	12.0	13.4	12.0	12.0
	ML	12.6	12.0	12.0	12.0	12.0	11.9	12.3	12.1	12.0	12.1	11.8	11.8	11.8	11.8	11.8	12.2	11.9	11.8
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	7.8	8.3	8.5	7.9	8.5	8.7	14.8	8.5	8.0	6.7	6.8	7.5	6.5	7.8	7.8	12.8	7.1	7.5
	GP	9.3	10.8	11.3	9.9	11.4	11.8	21.7	11.6	10.3	7.8	8.3	9.4	7.6	10.0	9.9	18.4	8.7	9.4
	ML	6.2	5.4	5.4	5.3	5.5	5.7	7.9	5.4	5.3	5.6	5.0	5.1	5.0	5.3	5.4	7.3	5.0	5.2
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	5.2	5.2	5.2	5.2	5.2	5.2	15.7	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.1	12.9	5.1	5.1
	GP	5.2	5.2	5.3	5.2	5.2	5.2	24.4	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.1	19.3	5.1	5.1
	ML	5.2	5.0	5.1	5.0	5.0	5.0	10.5	5.0	5.0	5.1	5.0	5.0	5.0	5.0	5.0	7.1	5.0	5.0

**Planning Time Index – Opening Year 2029**

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.19	1.14	1.14	1.13	1.14	1.15	1.16	1.15	1.14	1.22	1.16	1.15	1.15	1.15	1.19	1.18	1.15	1.16
	GP	1.19	1.16	1.16	1.16	1.16	1.16	1.19	1.18	1.17	1.22	1.20	1.19	1.19	1.19	1.20	1.23	1.20	1.21
	ML	1.19	1.14	1.14	1.13	1.13	1.15	1.16	1.08	1.14	1.22	1.16	1.15	1.15	1.15	1.19	1.18	1.07	1.16
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	2.99	1.38	1.16	1.41	1.27	2.98	5.84	1.38	1.41	3.81	1.31	1.13	1.33	1.18	2.63	8.77	1.38	1.36
	GP	2.99	1.52	1.20	1.54	1.38	3.23	8.32	1.51	1.53	3.82	1.41	1.15	1.41	1.23	2.77	14.80	1.49	1.48
	ML	2.97	1.27	1.13	1.33	1.23	2.71	5.37	1.11	1.37	3.78	1.16	1.09	1.28	1.13	2.46	7.78	1.11	1.30
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	2.96	2.87	2.70	2.82	2.80	2.29	1.89	1.17	2.91	3.88	4.20	3.45	4.04	3.98	3.35	2.46	1.61	4.23
	GP	3.09	2.95	2.67	3.09	2.91	2.40	2.46	1.26	3.01	5.11	5.62	4.41	5.52	5.31	4.26	3.70	2.16	5.72
	ML	2.84	3.87	3.58	2.86	3.26	1.65	1.34	1.04	3.82	2.94	3.96	3.02	2.91	3.15	1.84	1.48	1.14	4.00
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.05	1.05	1.05	1.05	1.05	1.05	1.07	1.05	1.05	1.07	1.06	1.06	1.08	1.06	1.05	1.15	1.06	1.08
	GP	1.05	1.05	1.05	1.05	1.05	1.05	1.07	1.05	1.05	1.07	1.07	1.06	1.09	1.06	1.05	1.20	1.06	1.09
	ML	1.05	1.04	1.04	1.03	1.04	1.03	1.04	1.04	1.03	1.07	1.04	1.04	1.04	1.04	1.03	1.05	1.04	1.04
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	1.27	1.27	1.31	1.37	1.37	1.24	2.98	1.37	1.38	1.81	1.77	1.85	1.74	1.82	1.83	2.92	1.80	1.74
	GP	1.34	1.42	1.46	1.57	1.53	1.29	4.45	1.52	1.62	2.37	2.43	2.53	2.23	2.41	2.40	4.36	2.43	2.26
	ML	1.18	1.07	1.08	1.11	1.09	1.07	1.73	1.10	1.09	1.43	1.19	1.20	1.17	1.20	1.26	1.71	1.24	1.17
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	1.06	1.06	1.06	1.05	1.05	1.05	1.10	1.05	1.05	1.09	1.07	1.09	1.10	1.08	1.08	1.97	1.07	1.08
	GP	1.06	1.06	1.06	1.06	1.06	1.05	1.12	1.05	1.05	1.09	1.08	1.10	1.11	1.08	1.08	2.33	1.07	1.09
	ML	1.05	1.04	1.03	1.03	1.03	1.03	1.04	1.03	1.03	1.08	1.03	1.05	1.06	1.04	1.03	1.62	1.03	1.04

Planning Time Index – Opening Ye

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.23	1.16	1.15	1.16	1.16	1.19	1.20	1.20	1.17	1.21	1.17	1.18	1.19	1.17	1.19	1.20	1.22	1.22
	GP	1.23	1.20	1.19	1.20	1.20	1.20	1.24	1.26	1.22	1.21	1.21	1.23	1.23	1.22	1.20	1.25	1.30	1.28
	ML	1.23	1.16	1.15	1.16	1.15	1.19	1.20	1.07	1.17	1.21	1.16	1.18	1.16	1.18	1.20	1.08	1.22	1.22
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	3.75	1.18	1.12	1.16	1.16	2.60	6.97	1.59	1.21	3.87	1.49	1.24	1.42	1.32	3.10	5.83	2.05	1.65
	GP	3.76	1.23	1.14	1.19	1.19	2.76	10.99	1.80	1.28	3.87	1.66	1.37	1.56	1.47	3.35	8.85	2.48	1.85
	ML	3.72	1.14	1.09	1.13	1.10	2.40	6.33	1.24	1.15	3.86	1.46	1.19	1.40	1.28	3.09	5.30	1.41	1.58
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	4.70	4.48	4.02	4.02	4.60	3.64	2.55	4.73	4.38	4.31	3.56	3.32	3.41	3.43	3.37	2.64	2.51	3.70
	GP	6.21	6.20	5.15	5.56	6.34	4.76	3.78	8.91	6.00	5.39	4.88	3.95	4.43	4.38	4.09	3.56	3.31	4.98
	ML	3.59	4.11	3.85	2.55	3.76	1.92	1.53	2.53	3.65	3.39	2.52	3.05	2.23	2.66	1.81	1.88	1.25	2.69
		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.12	1.09	1.07	1.08	1.06	1.06	1.17	1.05	1.08	1.04	1.04	1.03	1.04	1.03	1.03	1.12	1.03	1.03
	GP	1.12	1.11	1.07	1.10	1.06	1.06	1.26	1.06	1.09	1.04	1.04	1.04	1.04	1.04	1.03	1.16	1.03	1.04
	ML	1.12	1.04	1.04	1.04	1.04	1.03	1.05	1.04	1.04	1.04	1.02	1.02	1.02	1.02	1.02	1.04	1.03	1.02
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	1.81	1.90	1.90	1.79	1.94	1.97	3.39	1.94	1.84	1.81	1.83	1.84	1.68	1.91	1.85	2.98	1.77	1.87
	GP	2.33	2.52	2.60	2.30	2.71	2.73	4.91	2.77	2.43	2.33	2.45	2.52	2.11	2.60	2.43	4.19	2.34	2.54
	ML	1.41	1.29	1.20	1.22	1.25	1.30	1.81	1.21	1.22	1.40	1.16	1.17	1.13	1.23	1.25	1.70	1.14	1.19
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	1.07	1.06	1.07	1.06	1.06	1.07	3.39	1.07	1.06	1.04	1.04	1.05	1.04	1.04	1.04	3.10	1.04	1.04
	GP	1.07	1.07	1.08	1.07	1.06	1.07	5.64	1.08	1.07	1.04	1.04	1.05	1.04	1.04	1.04	5.08	1.04	1.04
	ML	1.06	1.03	1.03	1.02	1.02	1.03	2.19	1.03	1.03	1.03	1.02	1.03	1.01	1.01	1.02	1.60	1.02	1.02



**Travel Time Reliability Index – Opening Year 2029**

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01
	GP	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.01	1.00	1.01	1.01	1.00
	ML	1.00	1.03	1.03	1.03	1.03	1.05	1.00	1.00	1.03	1.00	1.05	1.04	1.05	1.05	1.06	1.00	1.00	1.04
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	1.06	1.04	1.01	1.04	1.04	1.07	1.05	1.09	1.05	1.04	1.04	1.01	1.03	1.01	1.09	1.07	1.08	1.08
	GP	1.06	1.06	1.01	1.05	1.05	1.08	1.03	1.13	1.07	1.04	1.06	1.01	1.03	1.01	1.10	1.09	1.11	1.09
	ML	1.06	1.05	1.04	1.14	1.12	1.35	1.05	1.02	1.10	1.05	1.03	1.04	1.09	1.06	1.29	1.08	1.02	1.07
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	1.08	1.03	1.09	1.07	1.05	1.12	1.06	1.02	1.08	1.02	1.04	1.02	1.04	1.04	1.09	1.03	1.16	1.04
	GP	1.10	1.06	1.09	1.06	1.05	1.14	1.02	1.04	1.08	1.04	1.04	1.05	1.02	1.06	1.15	1.04	1.25	1.07
	ML	1.06	1.06	1.18	1.14	1.08	1.04	1.01	1.00	1.14	1.02	1.12	1.11	1.02	1.13	1.02	1.01	1.07	1.05
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	GP	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	1.02	1.03	1.04	1.06	1.08	1.06	1.05	1.06	1.06	1.02	1.01	1.01	1.02	1.05	1.01	1.03	1.01	1.01
	GP	1.03	1.05	1.08	1.11	1.12	1.08	1.03	1.12	1.16	1.06	1.03	1.06	1.03	1.10	1.03	1.02	1.06	1.03
	ML	1.02	1.02	1.01	1.02	1.01	1.01	1.06	1.03	1.01	1.02	1.02	1.03	1.01	1.02	1.03	1.03	1.03	1.01
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.01	1.00	1.01	1.01	1.00	1.01
	GP	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.02	1.01	1.01	1.01	1.15	1.01	1.01
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.01	1.06	1.00	1.00

**Travel Time Reliability Index – Op**

		8 to 9 AM									9 to 10 AM									
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.02	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.02	1.01
	GP	1.00	1.00	1.00	1.01	1.01	1.00	1.01	1.03	1.01	1.00	1.01	1.01	1.00	1.01	1.01	1.00	1.00	1.02	1.01
	ML	1.00	1.05	1.05	1.05	1.06	1.06	1.06	1.00	1.00	1.05	1.04	1.04	1.04	1.04	1.04	1.06	1.00	1.00	1.05
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	1.08	1.01	1.01	1.01	1.02	1.02	1.03	1.09	1.02	1.03	1.08	1.07	1.04	1.02	1.04	1.04	1.04	1.23	1.11
	GP	1.08	1.01	1.01	1.02	1.02	1.02	1.09	1.11	1.03	1.03	1.10	1.11	1.04	1.03	1.04	1.03	1.03	1.28	1.12
	ML	1.09	1.05	1.04	1.05	1.04	1.35	1.05	1.04	1.04	1.02	1.10	1.07	1.14	1.08	1.45	1.04	1.14	1.12	
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	1.10	1.05	1.08	1.06	1.15	1.02	1.02	1.38	1.02	1.01	1.03	1.04	1.02	1.05	1.02	1.02	1.02	1.18	1.03
	GP	1.09	1.05	1.06	1.09	1.16	1.02	1.01	1.70	1.03	1.02	1.06	1.03	1.05	1.05	1.03	1.03	1.03	1.21	1.04
	ML	1.09	1.22	1.21	1.05	1.24	1.01	1.01	1.45	1.14	1.01	1.11	1.10	1.05	1.06	1.02	1.05	1.05	1.15	

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound: US 50 On-ramp to Kidwell Rd Off-ramp	All	1.03	1.01	1.01	1.02	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00
	GP	1.03	1.01	1.02	1.02	1.00	1.00	1.00	1.00	1.02	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00
	ML	1.03	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
US 50 Westbound: SR 51 On-ramp to I-80 On-ramp	All	1.04	1.03	1.02	1.02	1.02	1.02	1.04	1.03	1.01	1.27	1.12	1.03	1.12	1.04	1.04	1.03	1.05	1.06
	GP	1.08	1.04	1.05	1.04	1.04	1.02	1.02	1.03	1.05	1.39	1.22	1.04	1.18	1.06	1.08	1.01	1.08	1.10
	ML	1.04	1.03	1.02	1.03	1.04	1.04	1.02	1.02	1.02	1.16	1.01	1.03	1.03	1.02	1.03	1.03	1.02	1.03
I-80 Westbound: Truxel Rd SB On-ramp to US 50 On-ramp	All	1.00	1.00	1.01	1.01	1.00	1.00	1.05	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.11	1.00
	GP	1.00	1.00	1.01	1.01	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.20	1.00
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00	1.00

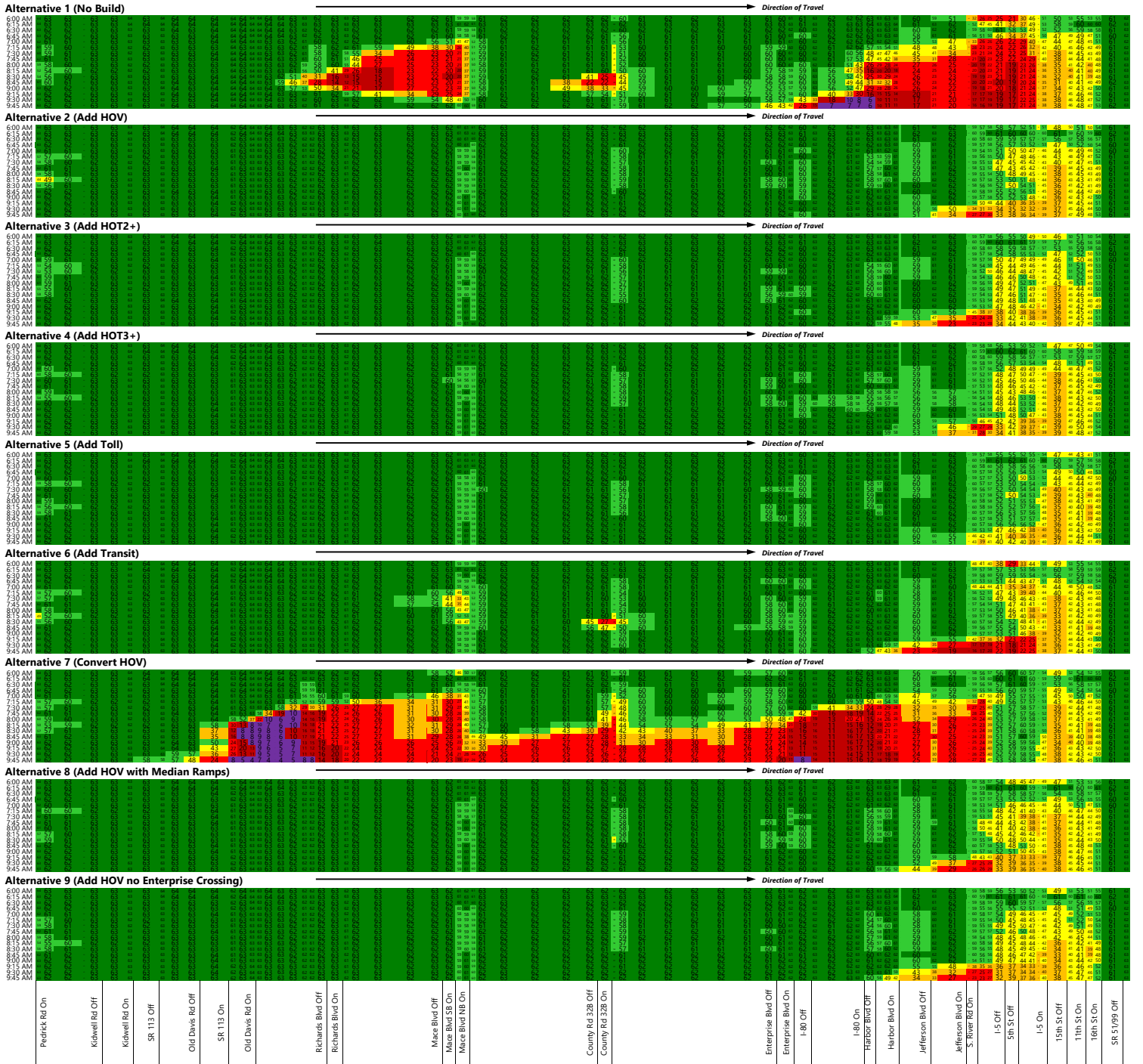
### Eastbound Peak Period Network Performance – Opening Year 2029

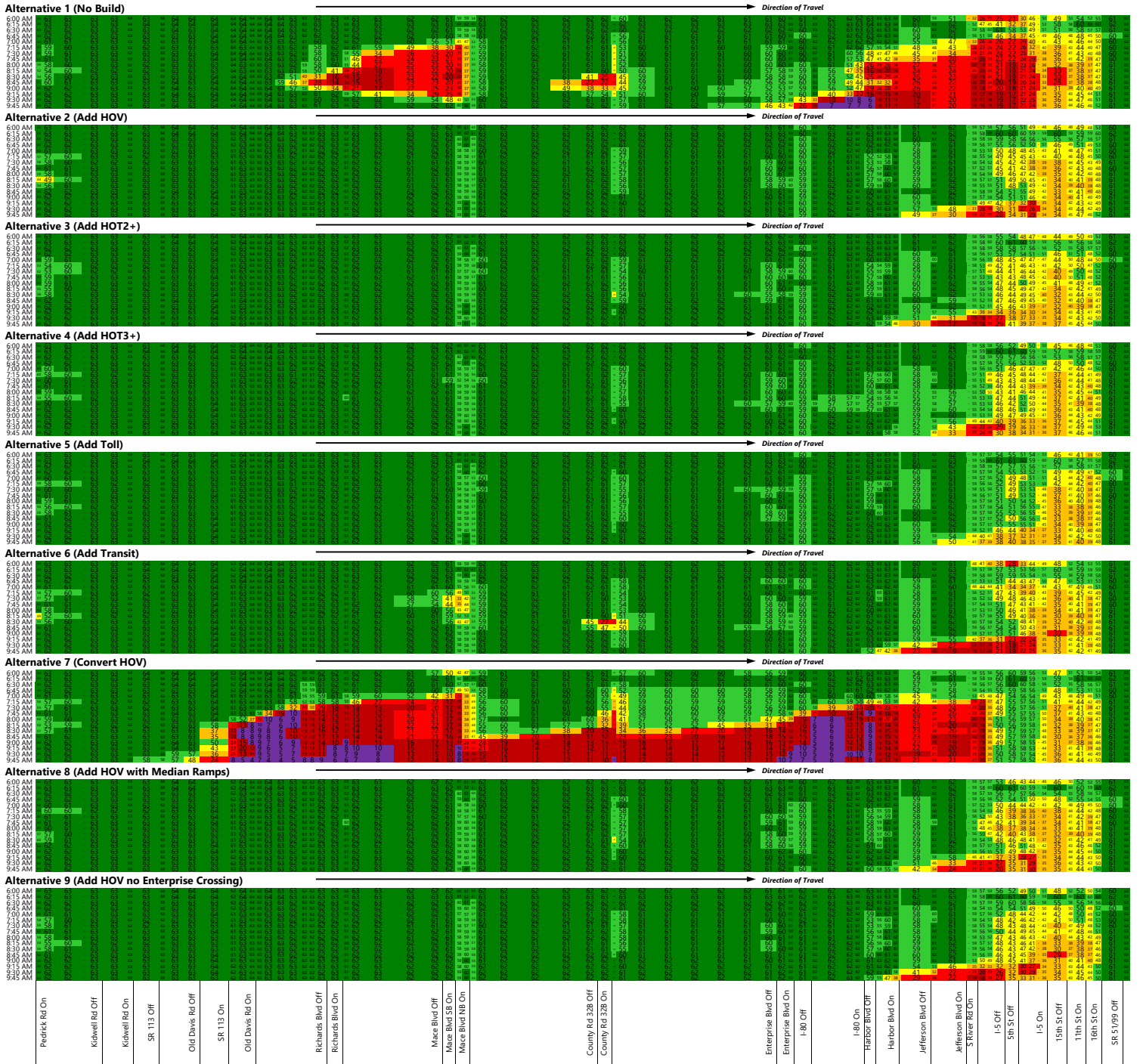
Performance Measure	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
<b>AM Peak Period</b>									
Vehicle hours of delay	2,726	3,252	3,262	3,378	3,137	3,841	3,535	3,518	3,274
Vehicle hours of travel	10,761	11,831	11,835	11,616	11,594	11,943	11,372	12,095	11,737
Vehicle miles of travel	499,362	533,576	533,257	511,888	525,788	503,174	486,121	533,428	527,131
Average speed (mph)	46.4	45.1	45.1	44.1	45.4	42.1	42.8	44.1	44.9
Volume served	98,686	102,014	101,761	99,722	100,945	99,153	99,716	101,984	100,634
Entry demand not served	-38	-24	-43	1,106	-20	-11	2	-2	-15
Entry queue (mi)	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0
<b>PM Peak Period</b>									
Vehicle hours of delay	11,332	17,634	17,496	16,502	16,866	13,466	24,416	17,254	21,331
Vehicle hours of travel	20,768	27,907	27,643	26,604	26,827	23,007	31,214	27,466	31,266
Vehicle miles of travel	581,838	635,784	628,060	624,920	615,320	587,804	412,228	631,670	615,034
Average speed (mph)	28.0	22.8	22.7	23.5	22.9	25.6	13.2	23.0	19.7
Volume served	115,571	116,598	115,414	116,042	114,975	118,302	104,756	116,088	115,071
Entry demand not served	-92	-89	-16	-71	13	-43	11,107	-97	941
Entry queue (mi)	0.0	0.0	0.0	0.0	0.0	0.0	35.1	0.0	3.0

### Westbound Peak Period Network Performance – Opening Year 2029

Performance Measure	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
<b>AM Peak Period</b>									
Vehicle hours of delay	13,340	10,933	8,842	10,155	9,810	10,962	21,375	7,276	10,635
Vehicle hours of travel	24,485	23,172	21,481	22,353	22,080	22,545	30,538	20,004	22,825
Vehicle miles of travel	690,587	759,795	784,717	757,461	761,828	717,934	568,249	789,833	757,452
Average speed (mph)	28.2	32.8	36.5	33.9	34.5	31.9	18.6	39.6	33.2
Volume served	106,660	112,859	115,571	112,917	113,328	111,594	91,878	116,281	110,605
Entry demand not served	1,697	2,720	5	2,320	1,802	-271	10,128	314	2,660
Entry queue (mi)	5.4	8.6	0.0	7.3	5.7	0.0	32.0	1.0	8.4
<b>PM Peak Period</b>									
Vehicle hours of delay	6,506	7,415	7,622	6,872	7,660	7,409	16,344	7,623	7,257
Vehicle hours of travel	16,125	17,884	17,973	17,375	17,902	16,959	24,931	17,963	17,633
Vehicle miles of travel	593,947	647,560	640,534	649,893	633,523	589,839	530,740	640,095	642,188
Average speed (mph)	36.9	36.3	35.7	37.4	35.4	34.8	21.3	35.6	36.4
Volume served	112,021	116,118	114,754	116,540	114,042	110,830	100,882	114,539	115,250
Entry demand not served	614	2,283	2,913	1,284	2,706	2,527	10,572	2,721	2,110
Entry queue (mi)	1.9	7.2	9.2	4.1	8.5	8.0	33.4	8.6	6.7

**Appendix J:**  
**Horizon Year 2049**  
**Operations Analysis Results**





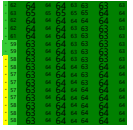
VISSIM Post-Processor  
Average Link Speed for Managed Lanes  
I-80 Eastbound/US 50 Eastbound

I-80/US 50 Managed Lanes  
Horizon Year 2049 Eastbound  
AM Peak Period

Alternative 1 (No Build)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

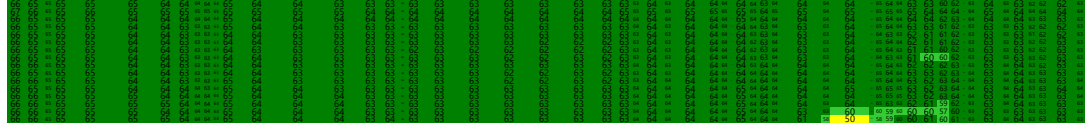
Direction of Travel



Alternative 2 (Add HOV)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

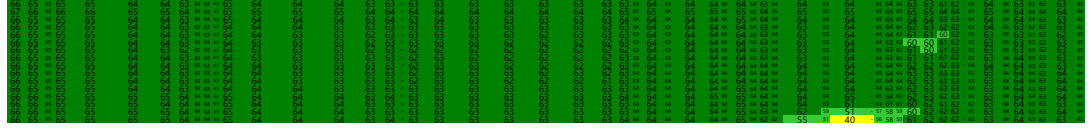
Direction of Travel



Alternative 3 (Add HOT2+)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

Direction of Travel



Alternative 4 (Add HOT3+)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

Direction of Travel



Alternative 5 (Add Toll)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

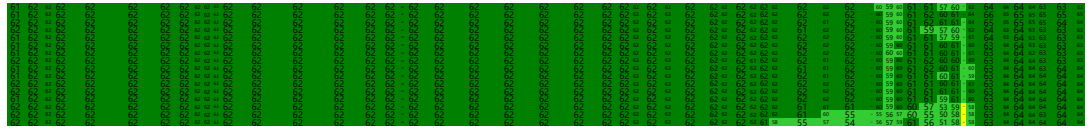
Direction of Travel



Alternative 6 (Add Transit)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

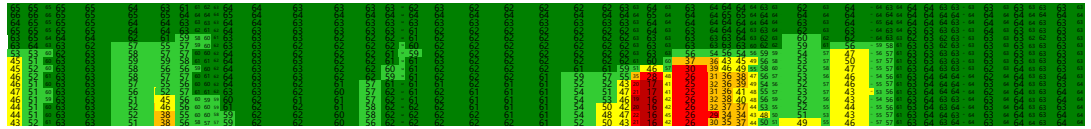
Direction of Travel



Alternative 7 (Convert HOV)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

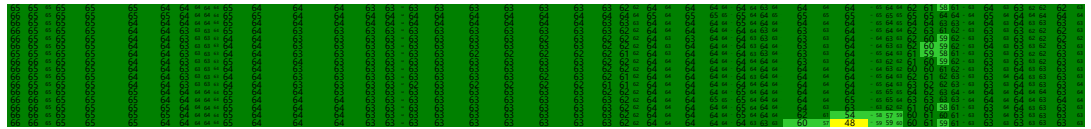
Direction of Travel



Alternative 8 (Add HOV with Median Ramps)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

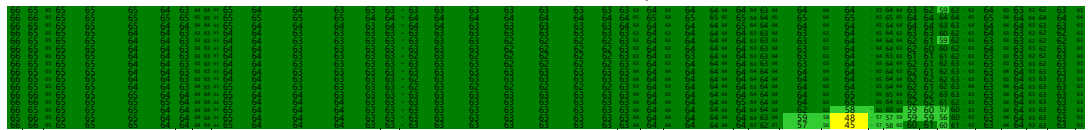
Direction of Travel



Alternative 9 (Add HOV no Enterprise Crossing)

6:00 AM  
6:15 AM  
6:30 AM  
6:45 AM  
7:00 AM  
7:15 AM  
7:30 AM  
7:45 AM  
8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM  
9:00 AM  
9:15 AM  
9:30 AM  
9:45 AM

Direction of Travel

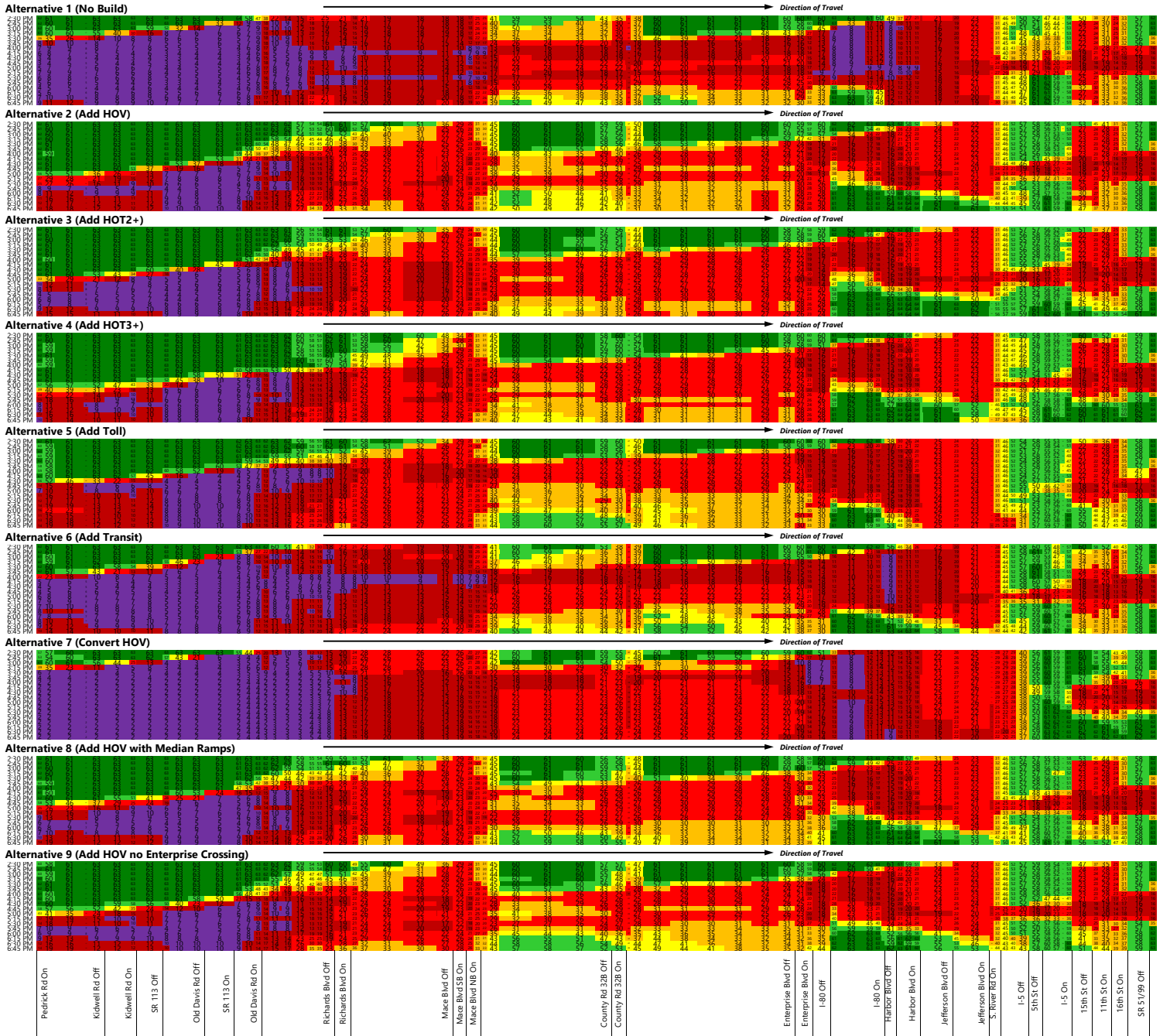


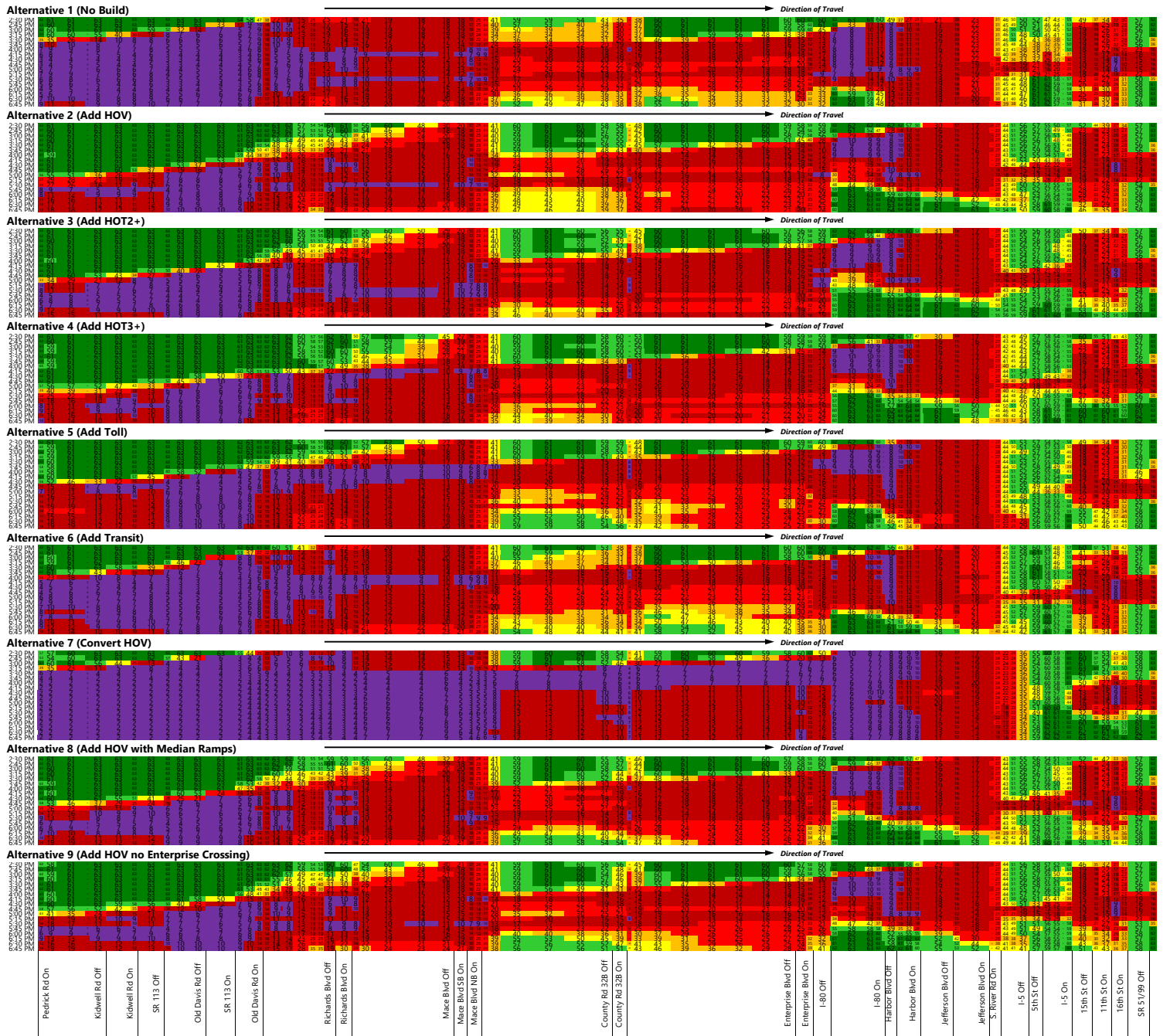
Pedrick Rd On  
Kishwell Rd Off  
Kidwell Rd On  
SR 113 Off  
Old Davis Rd Off  
SR 113 On  
Old Davis Rd On

Richards Blvd Off  
Richards Blvd On  
Mace Blvd Off  
Mace Blvd SE On  
Mace Blvd NB On  
County Rd 328 Off  
County Rd 328 On

Enterprise Blvd Off  
Enterprise Blvd On  
I-80 Off  
I-80 On  
Harbor Blvd Off  
Harbor Blvd On  
Jefferson Blvd Off  
Jefferson Blvd On  
S-River Rd On  
I-5 Off  
5th St Off  
I-5 On  
15th St Off  
11th St On  
16th St On  
SR 5/99 Off



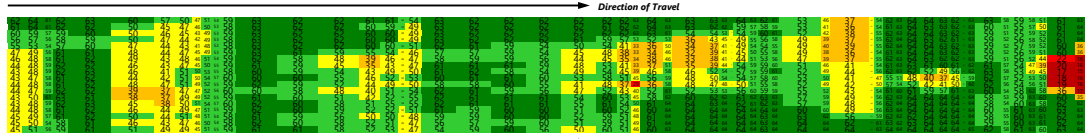




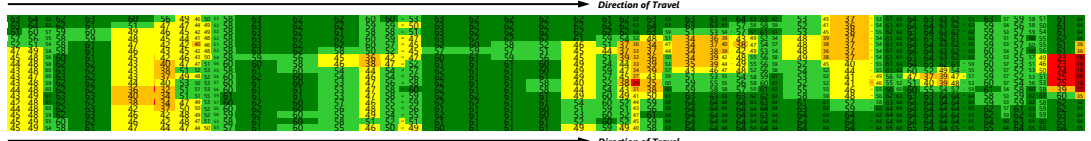
Alternative 1 (No Build)



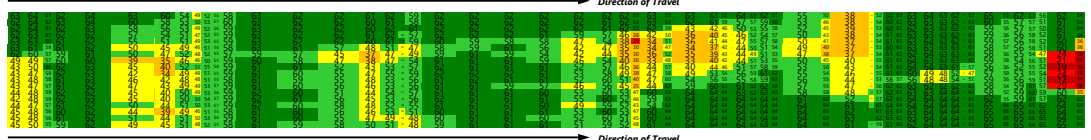
Alternative 2 (Add HOV)



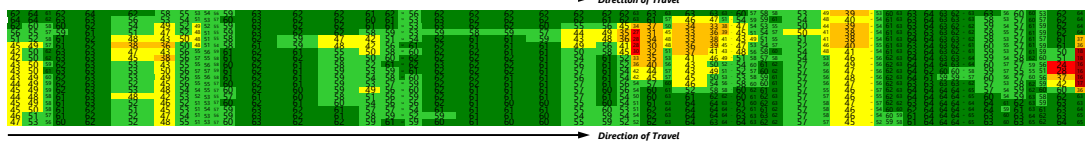
Alternative 3 (Add HOT2+)



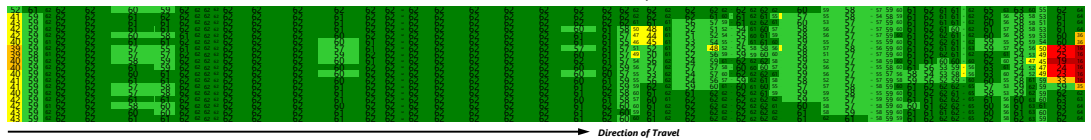
Alternative 4 (Add HOT3+)



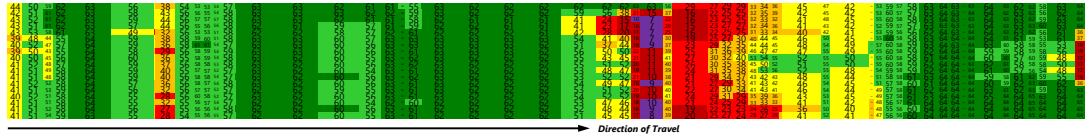
Alternative 5 (Add Toll)



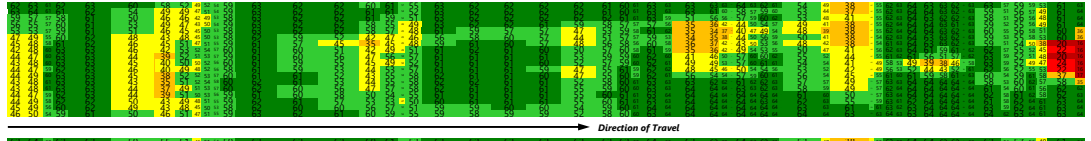
Alternative 6 (Add Transit)



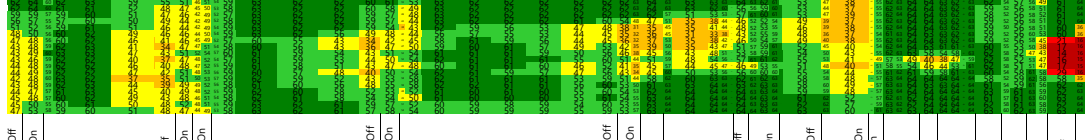
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



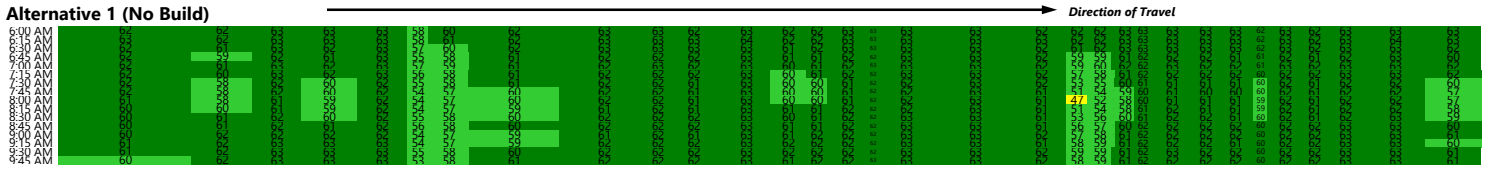
Alternative 9 (Add HOV no Enterprise Crossing)



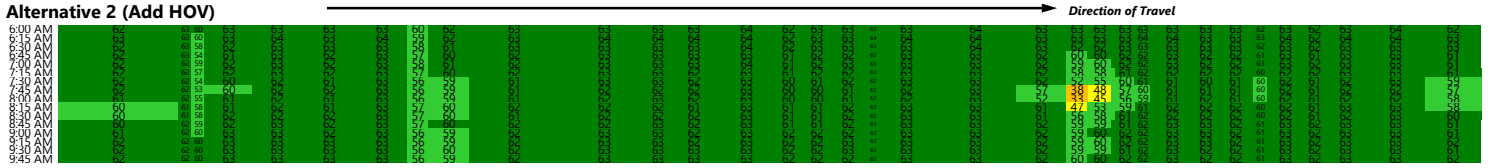
Pedrick Rd On
Kidwell Rd Off
Kidwell Rd On
SR 113 Off
Old Davis Rd Off
SR 113 On
Old Davis Rd On

Richards Blvd Off
Richards Blvd On
Mace Blvd Off
Mace Blvd SB On
Mace Blvd NB On
County Rd 328 Off
County Rd 328 On
Enterprise Blvd Off
Enterprise Blvd On
I-80 Off
I-80 On
Harbor Blvd Off
Harbor Blvd On
Jefferson Blvd Off
Jefferson Blvd On
S. River Rd On
I-5 Off
5th St Off
I-5 On
15th St Off
11th St On
16th St On
SR 15/199 Off

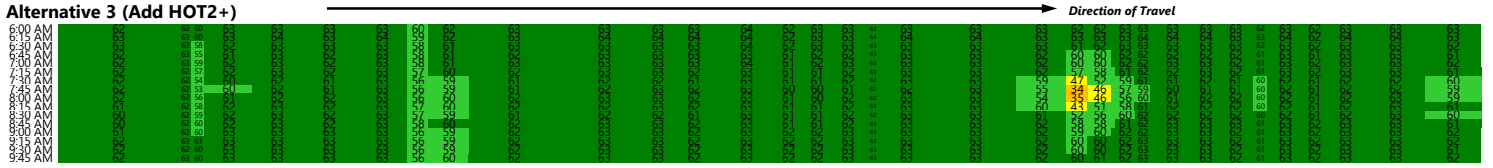
Alternative 1 (No Build)



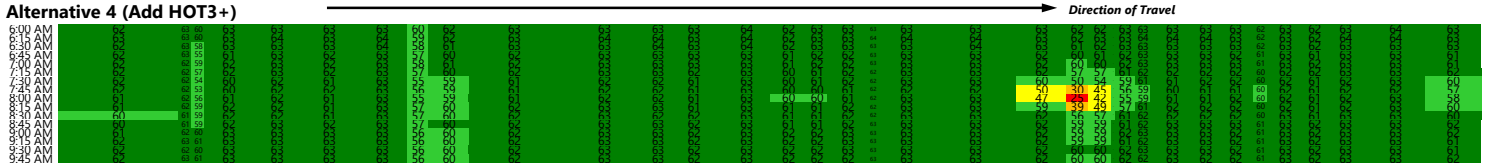
Alternative 2 (Add HOV)



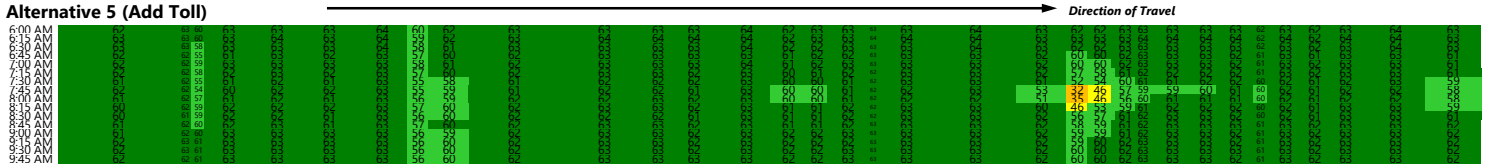
Alternative 3 (Add HOT2+)



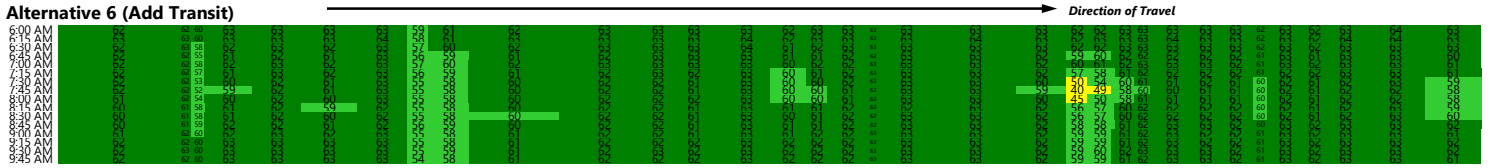
Alternative 4 (Add HOT3+)



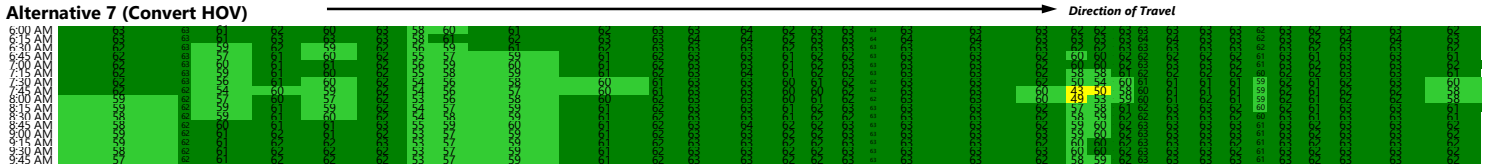
Alternative 5 (Add Toll)



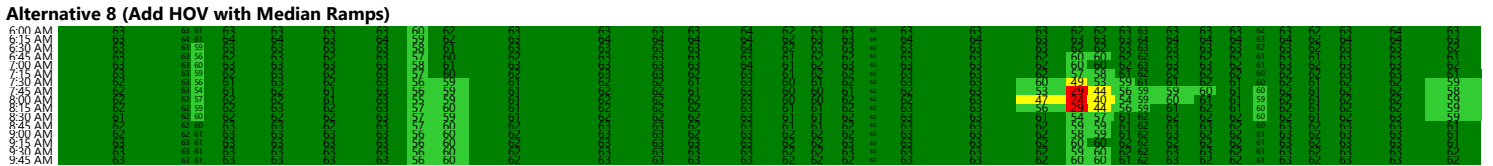
Alternative 6 (Add Transit)



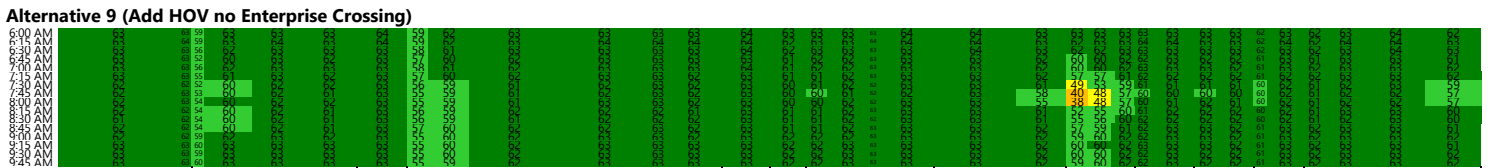
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)

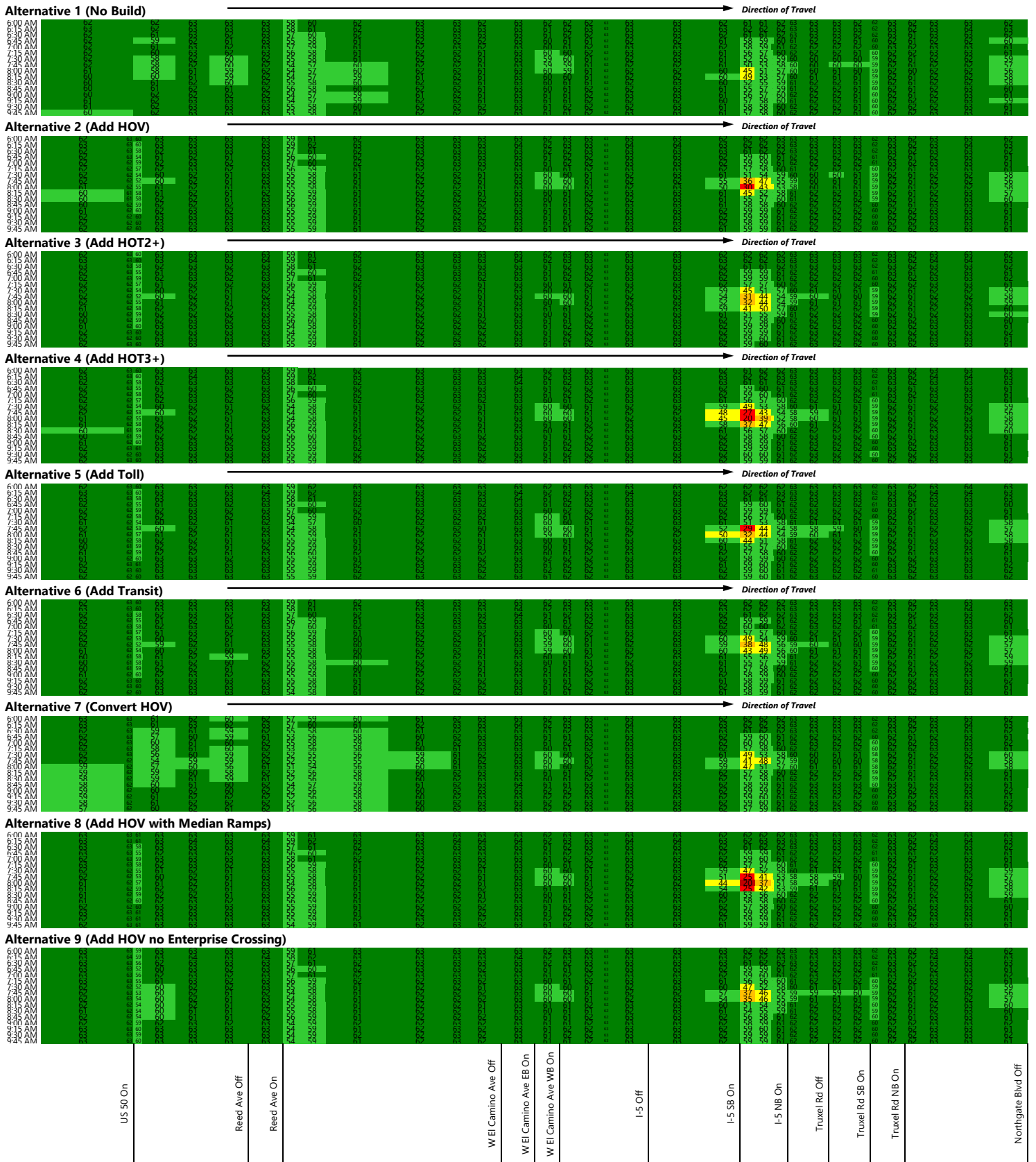


Alternative 9 (Add HOV no Enterprise Crossing)



US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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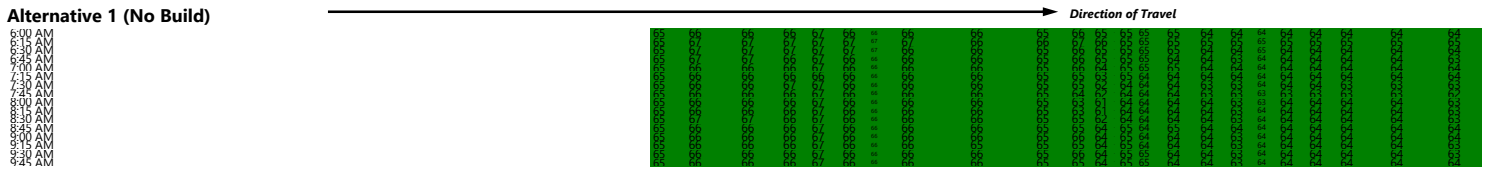




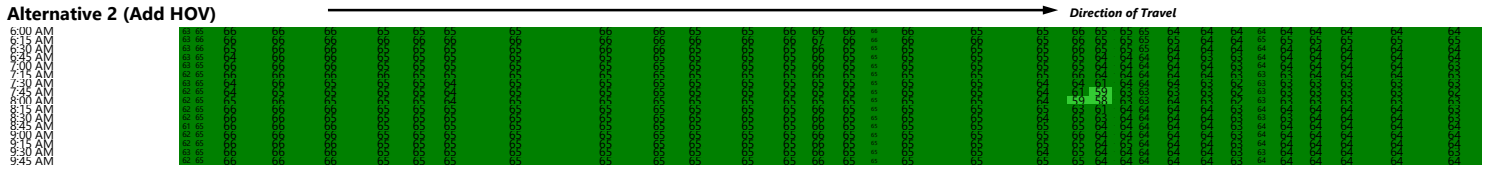
VISSIM Post-Processor  
Average Link Speed for Managed Lanes  
I-80 Eastbound

I-80/US 50 Managed Lanes  
Horizon Year 2049 Eastbound  
AM Peak Period

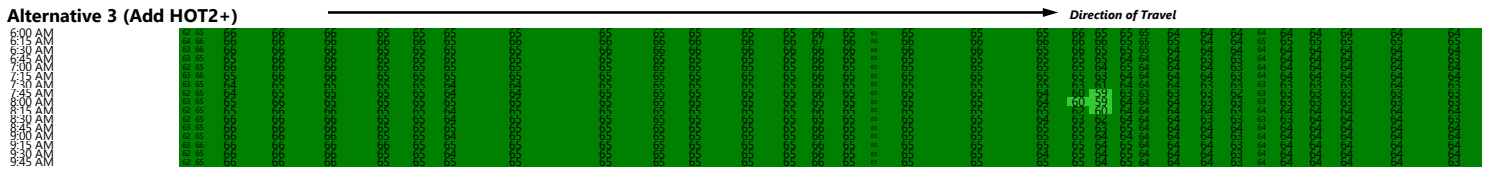
Alternative 1 (No Build)



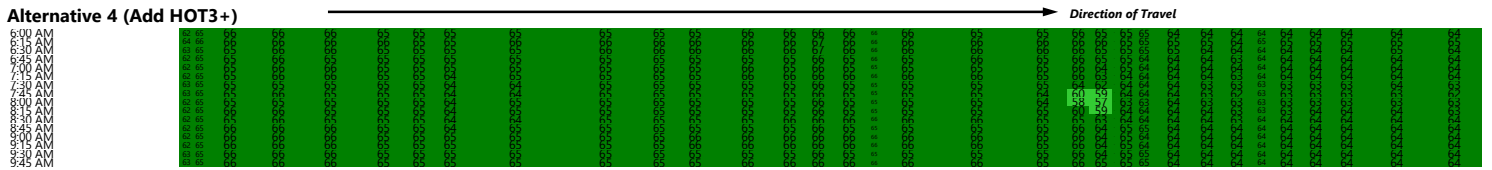
Alternative 2 (Add HOV)



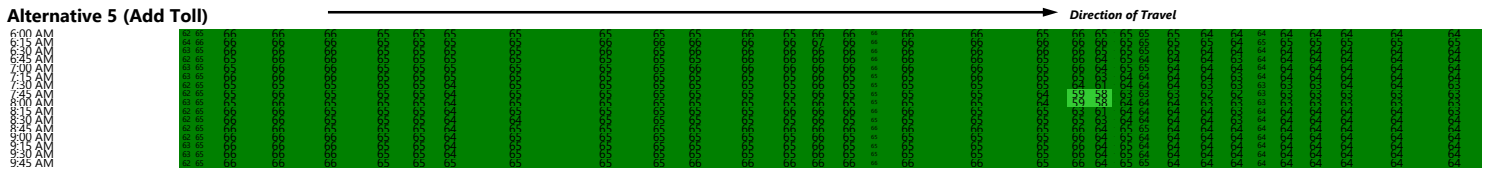
Alternative 3 (Add HOT2+)



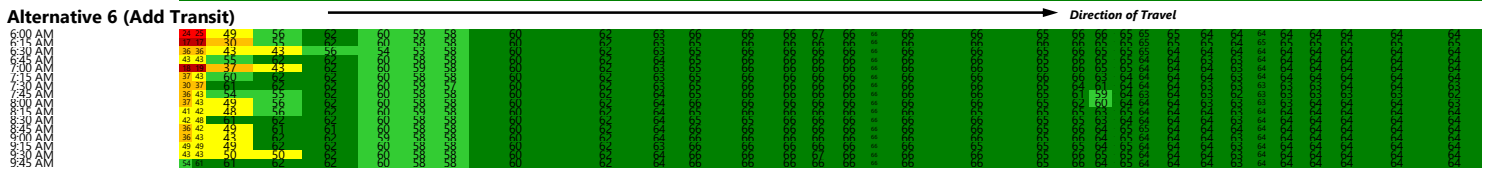
Alternative 4 (Add HOT3+)



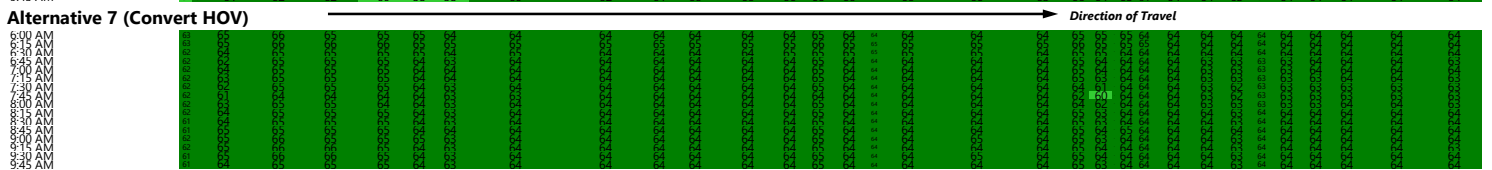
Alternative 5 (Add Toll)



Alternative 6 (Add Transit)



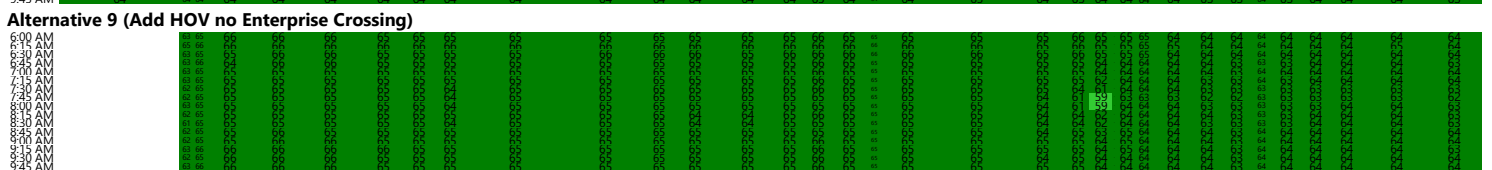
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)

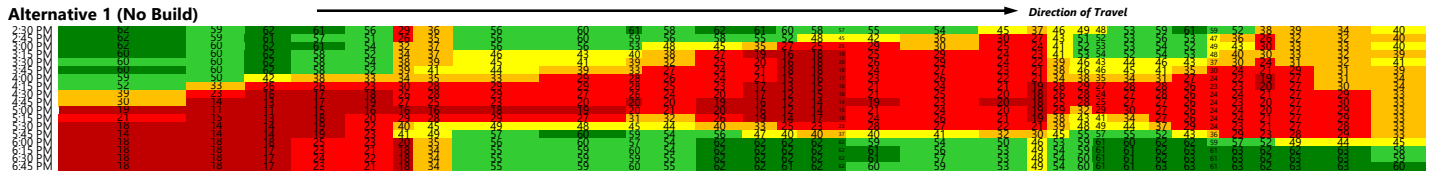


Alternative 9 (Add HOV no Enterprise Crossing)

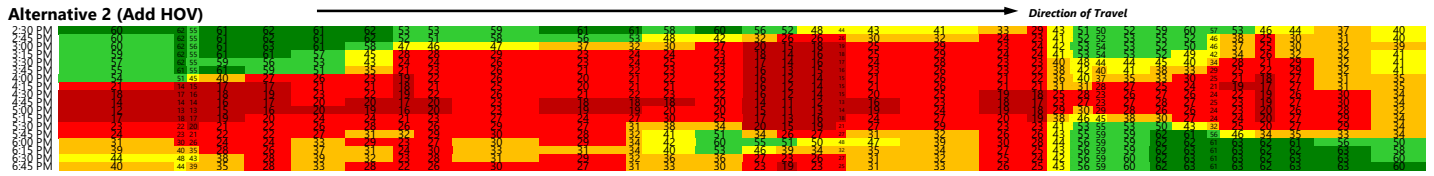


US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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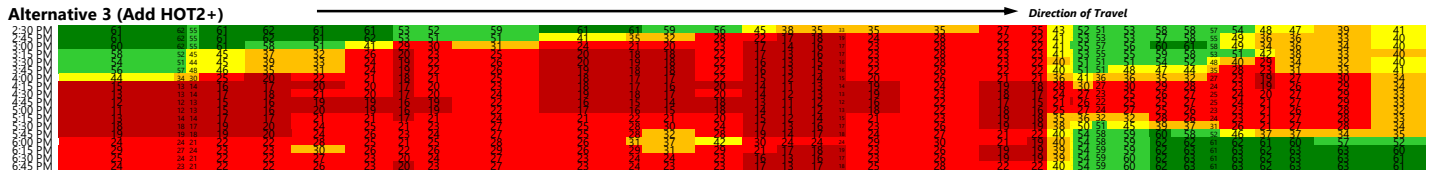
Alternative 1 (No Build)



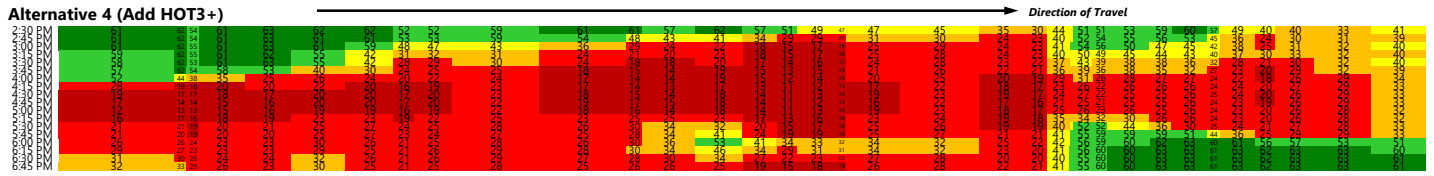
Alternative 2 (Add HOV)



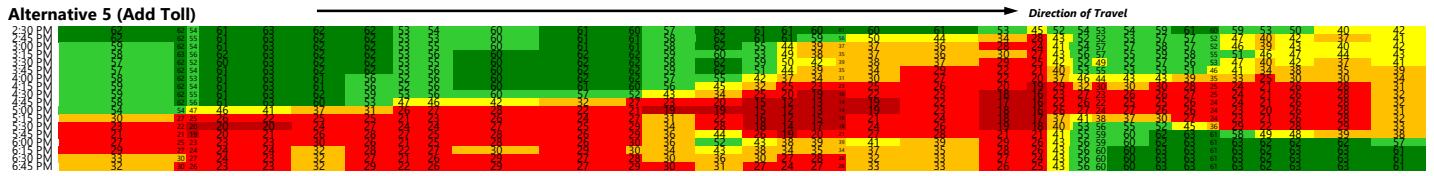
Alternative 3 (Add HOT2+)



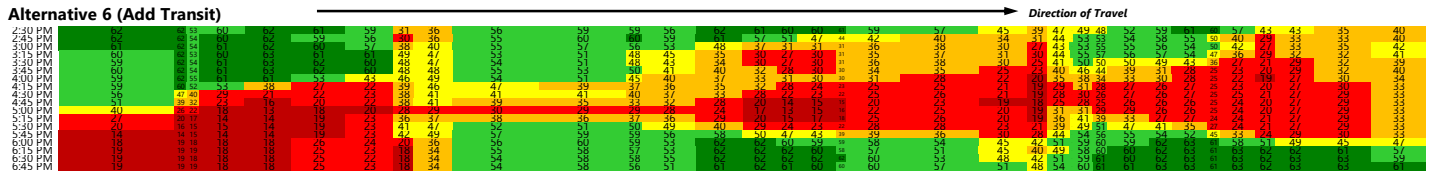
Alternative 4 (Add HOT3+)



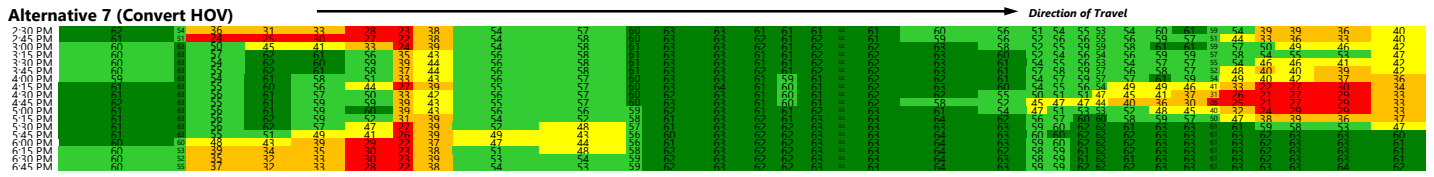
Alternative 5 (Add Toll)



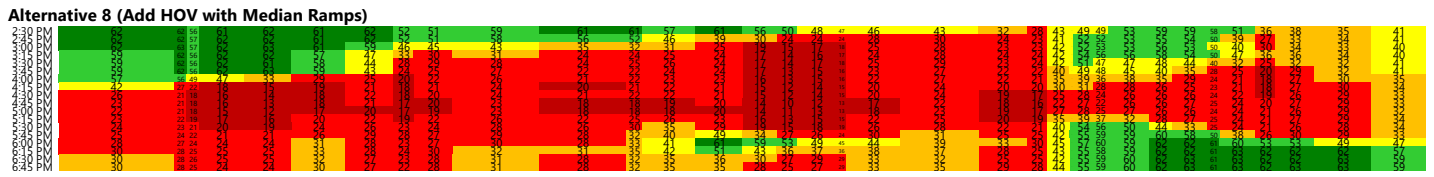
Alternative 6 (Add Transit)



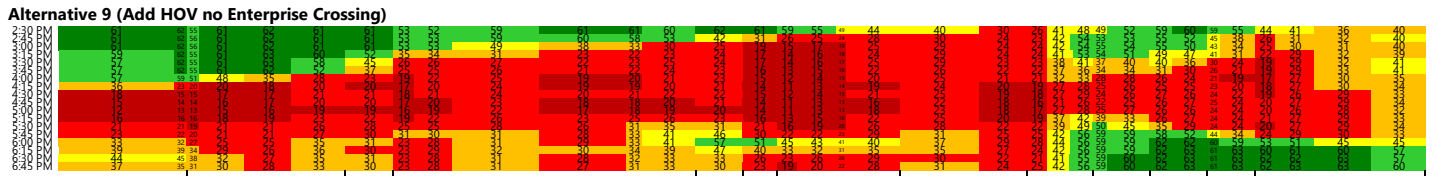
Alternative 7 (Convert HOV)



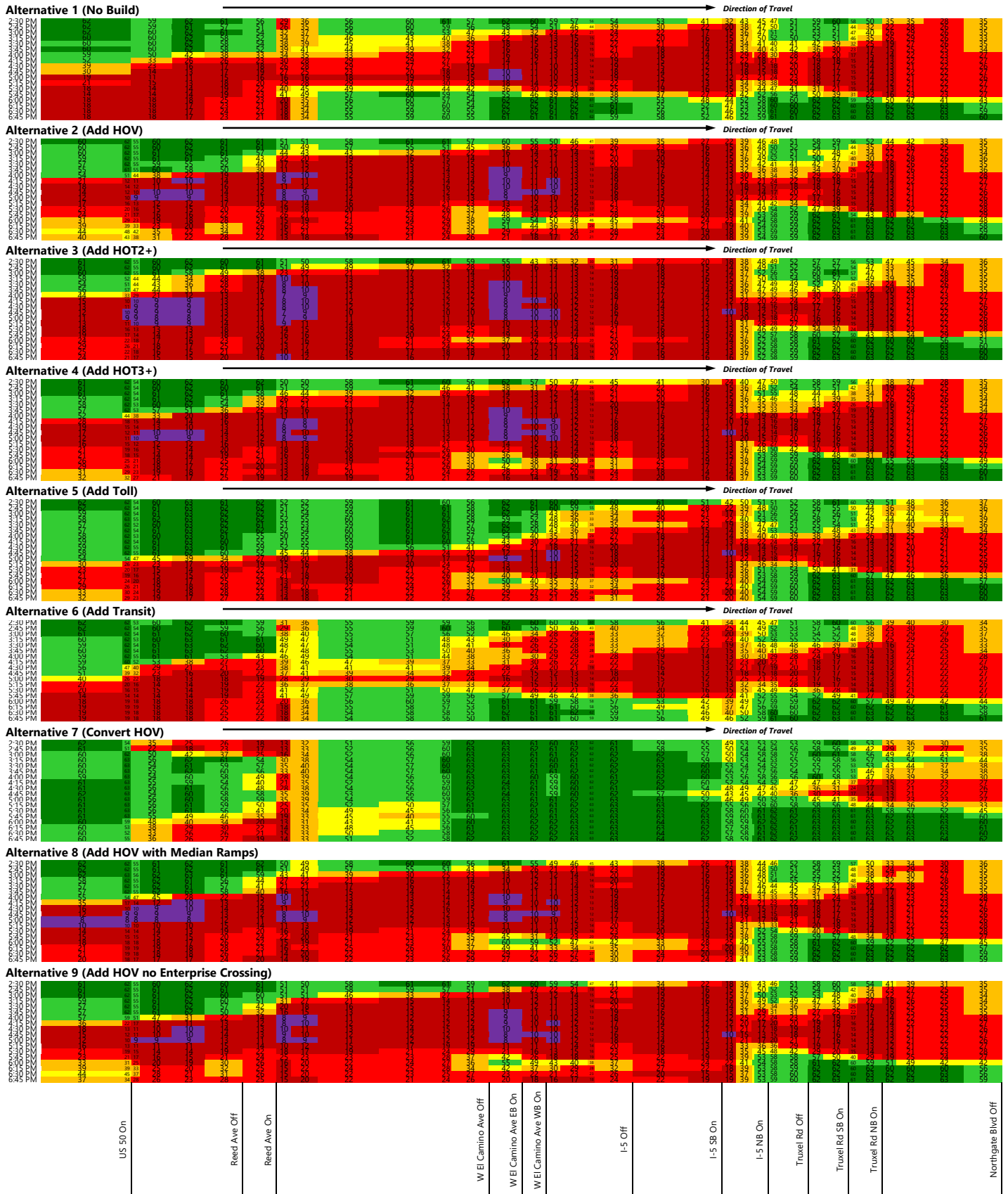
Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)

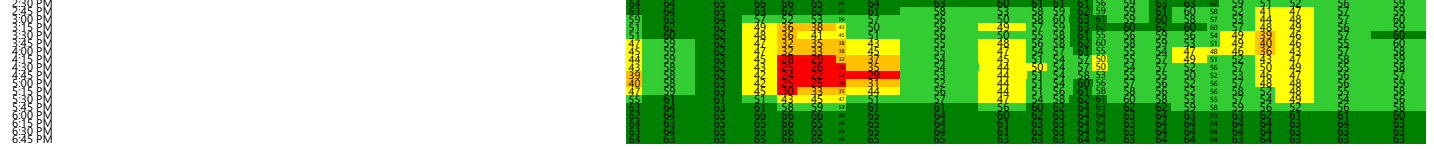


US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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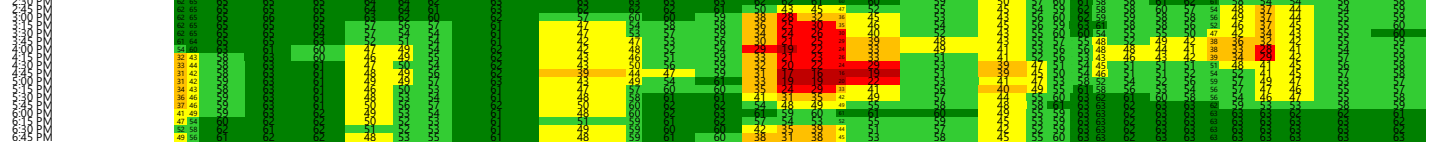




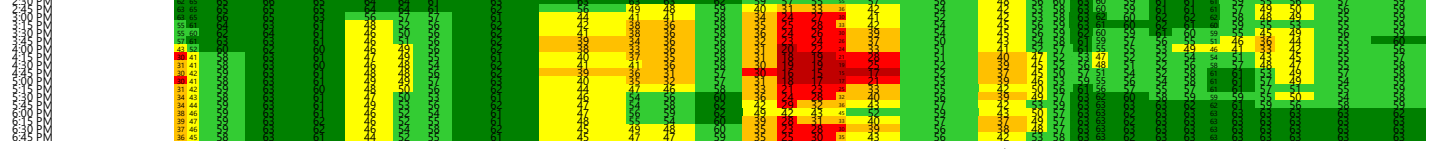
Alternative 1 (No Build)



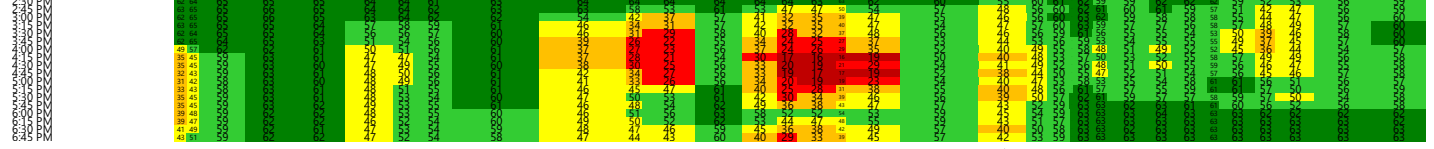
Alternative 2 (Add HOV)



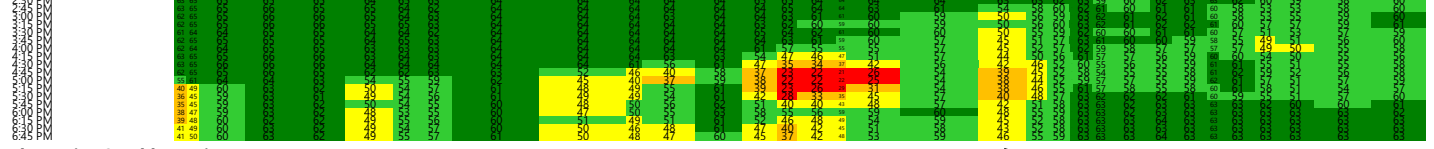
Alternative 3 (Add HOT2+)



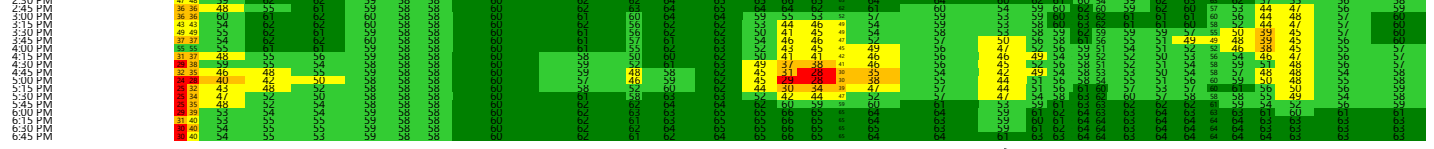
Alternative 4 (Add HOT3+)



Alternative 5 (Add Toll)



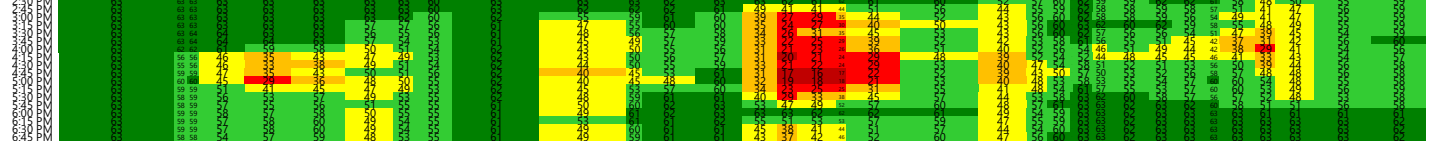
Alternative 6 (Add Transit)



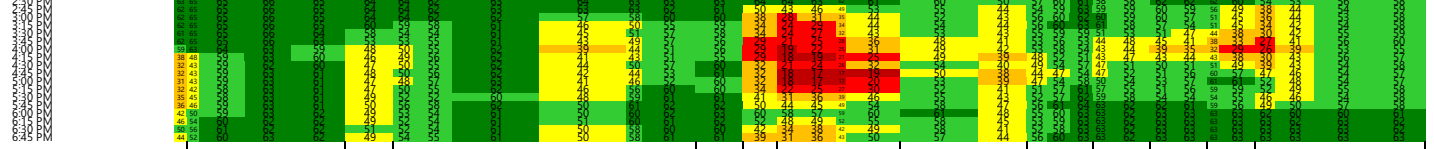
Alternative 7 (Convert HOV)



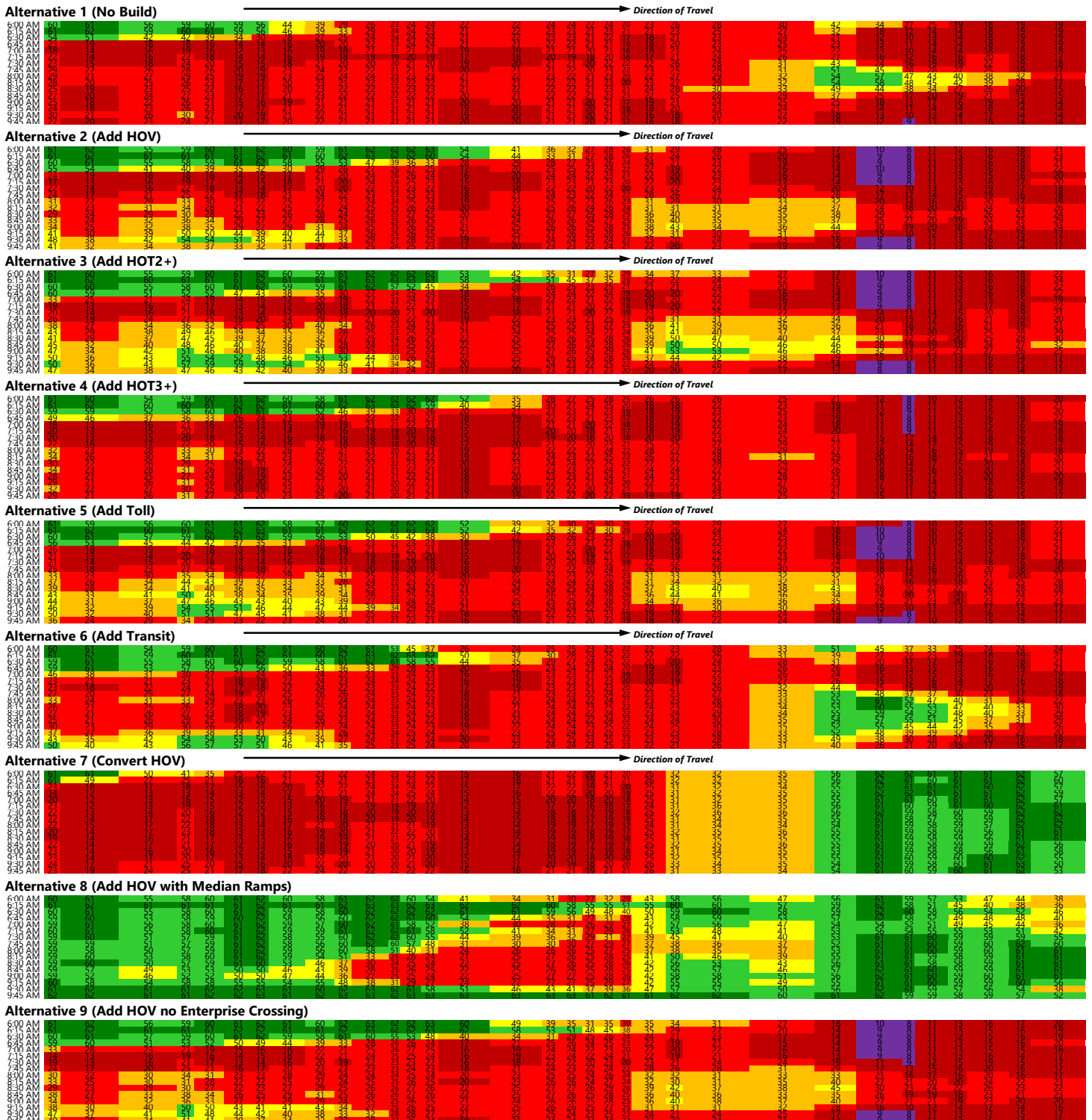
Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



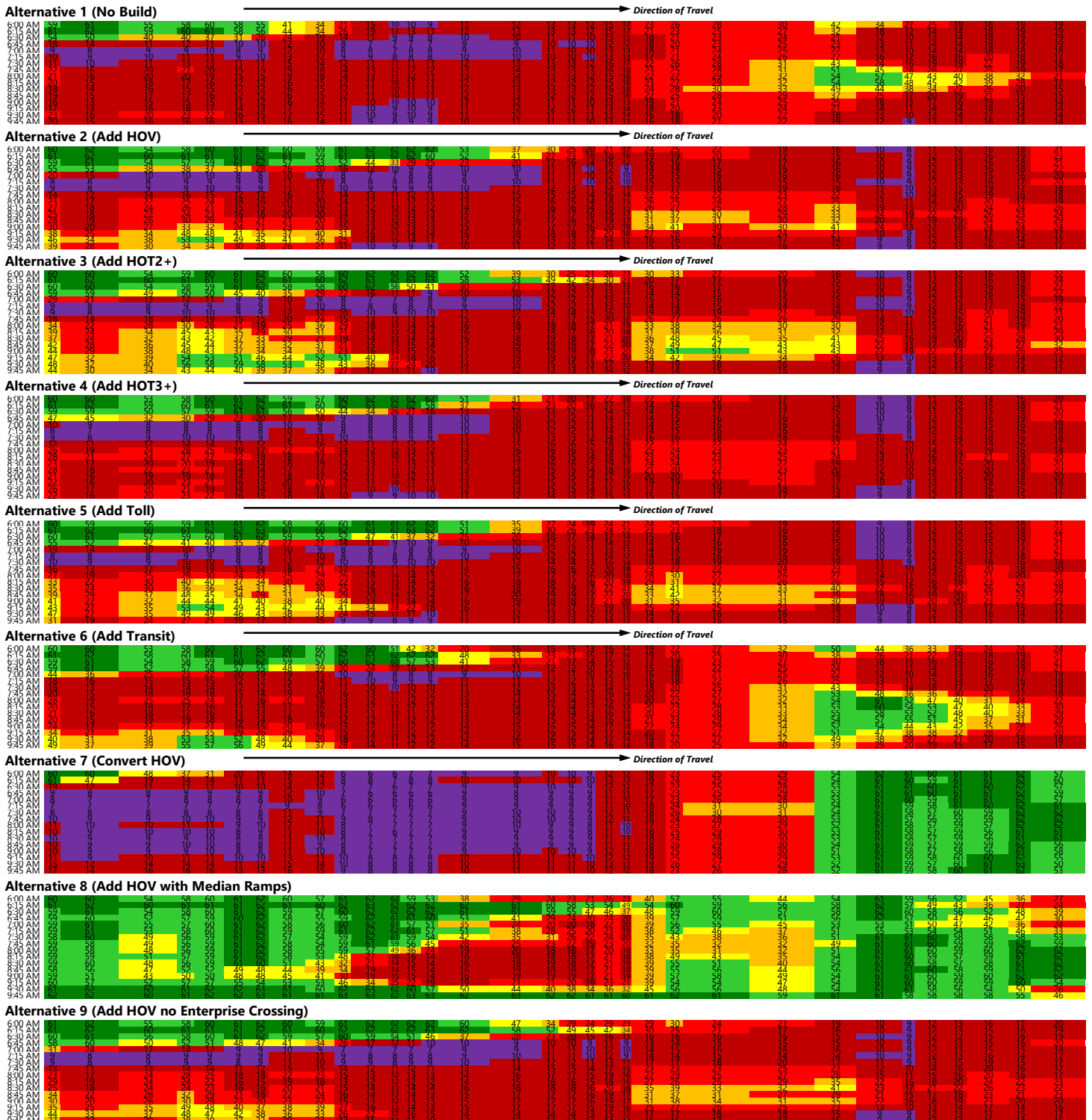
US 50 On	Reed Ave Off	Reed Ave On	W El Camino Ave Off	W El Camino Ave EB On	W El Camino Ave WB On	I-5 Off	I-5 SB On	I-5 NB On	Truxel Rd Off	Truxel Rd SB On	Truxel Rd NB On	Northgate Blvd Off
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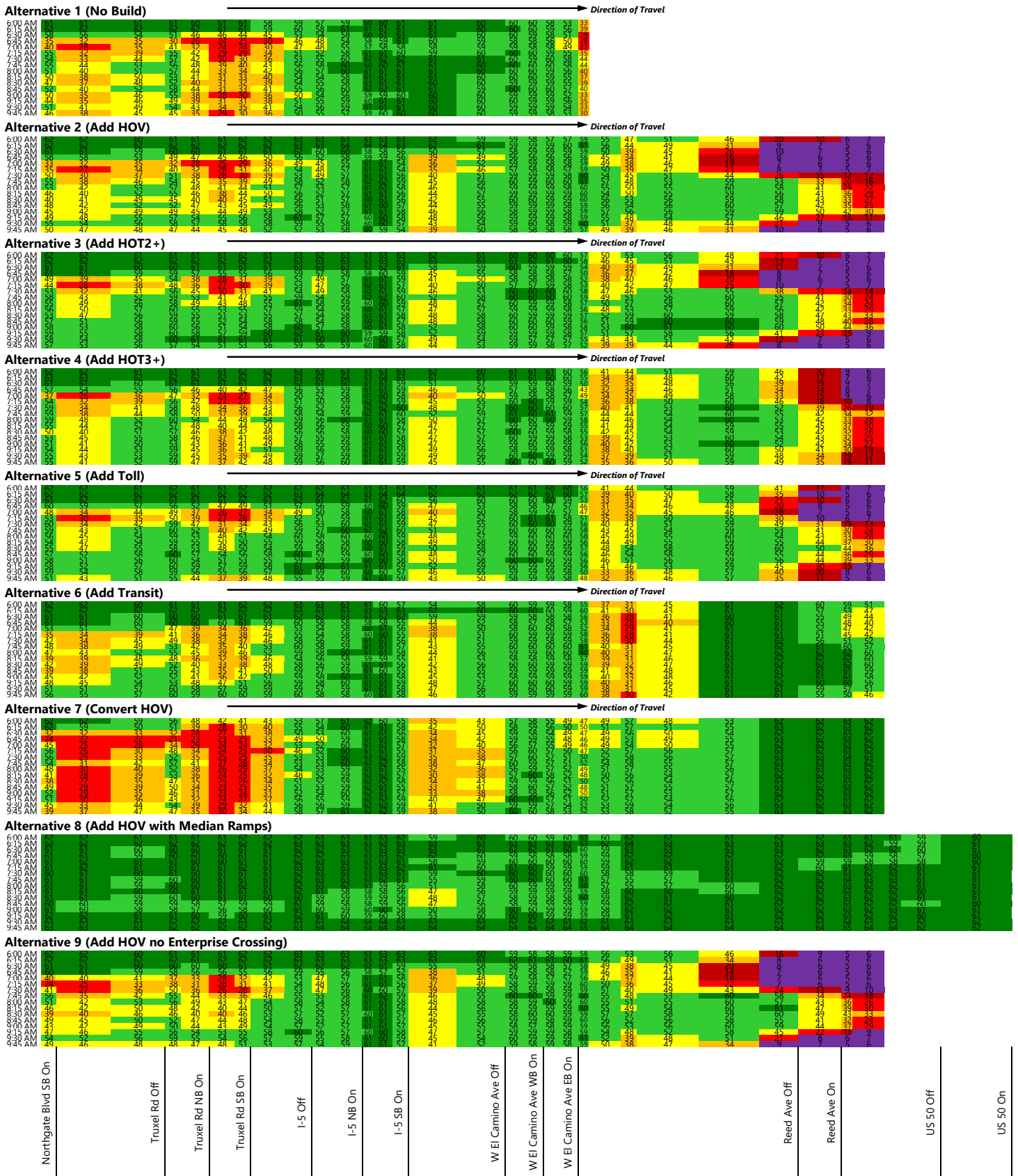
Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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VISSIM Post-Processor  
 Average Link Speed for General Purpose Lanes  
 I-80 Westbound

I-80/US 50 Managed Lanes  
 Horizon Year 2049 Westbound  
 AM Peak Period

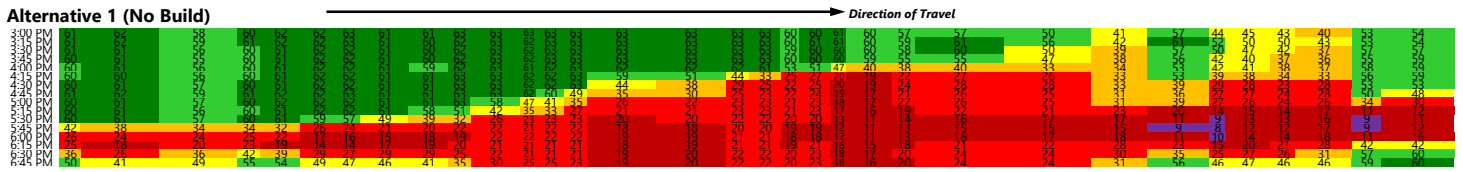


Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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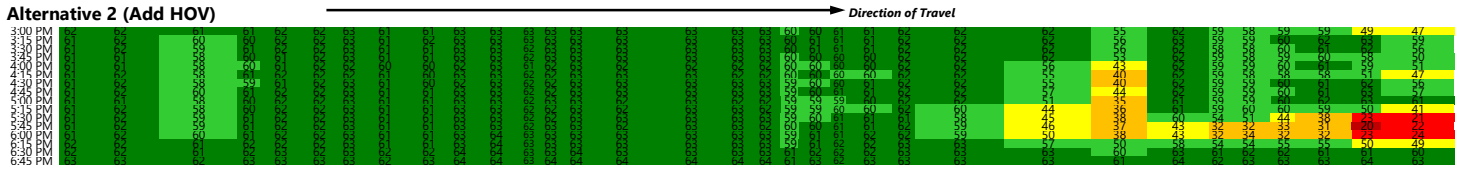




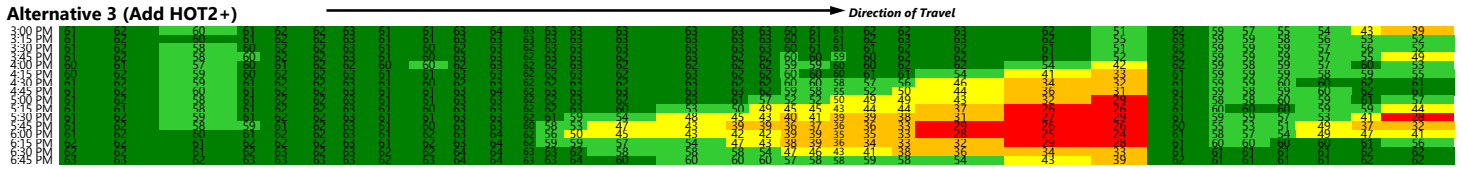
Alternative 1 (No Build)



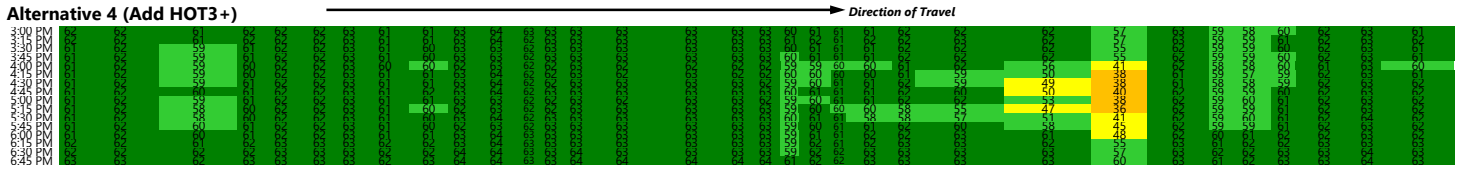
Alternative 2 (Add HOV)



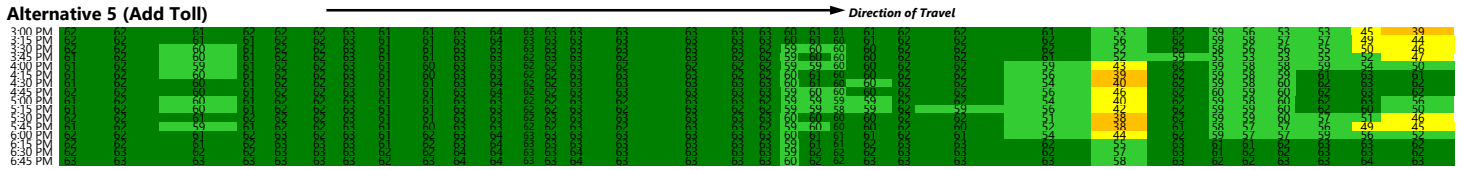
Alternative 3 (Add HOT2+)



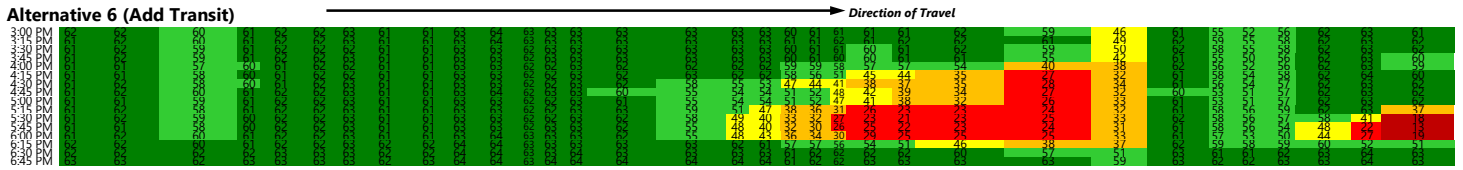
Alternative 4 (Add HOT3+)



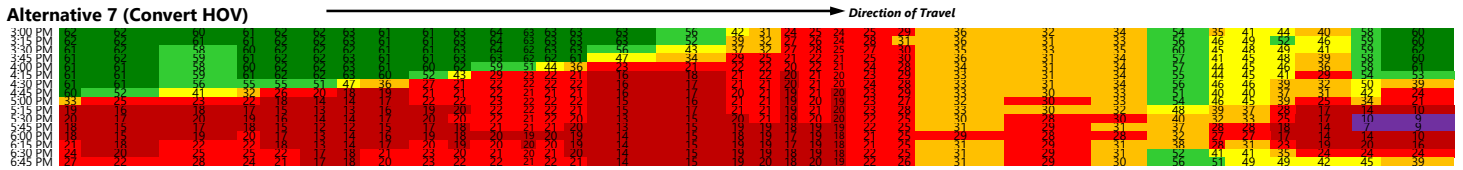
Alternative 5 (Add Toll)



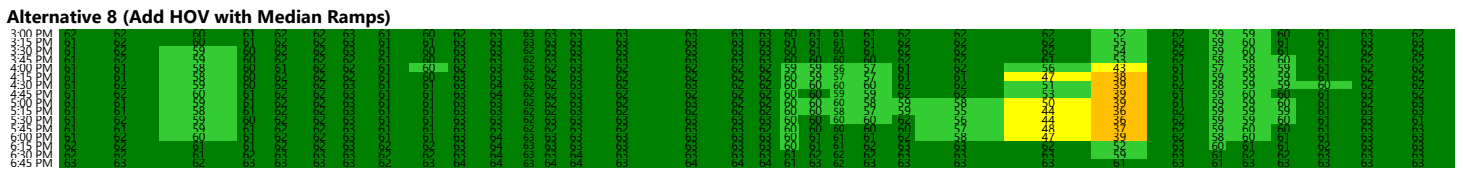
Alternative 6 (Add Transit)



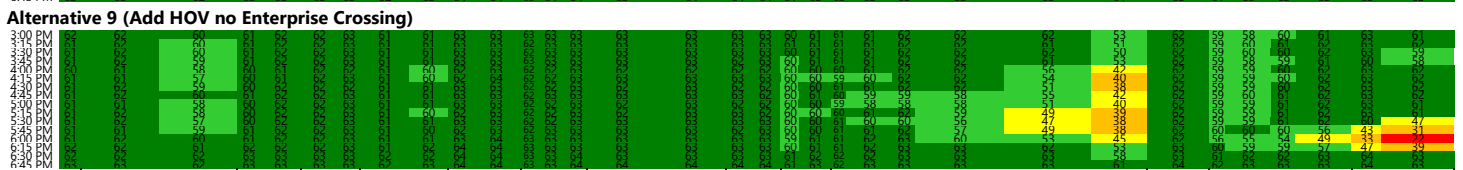
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



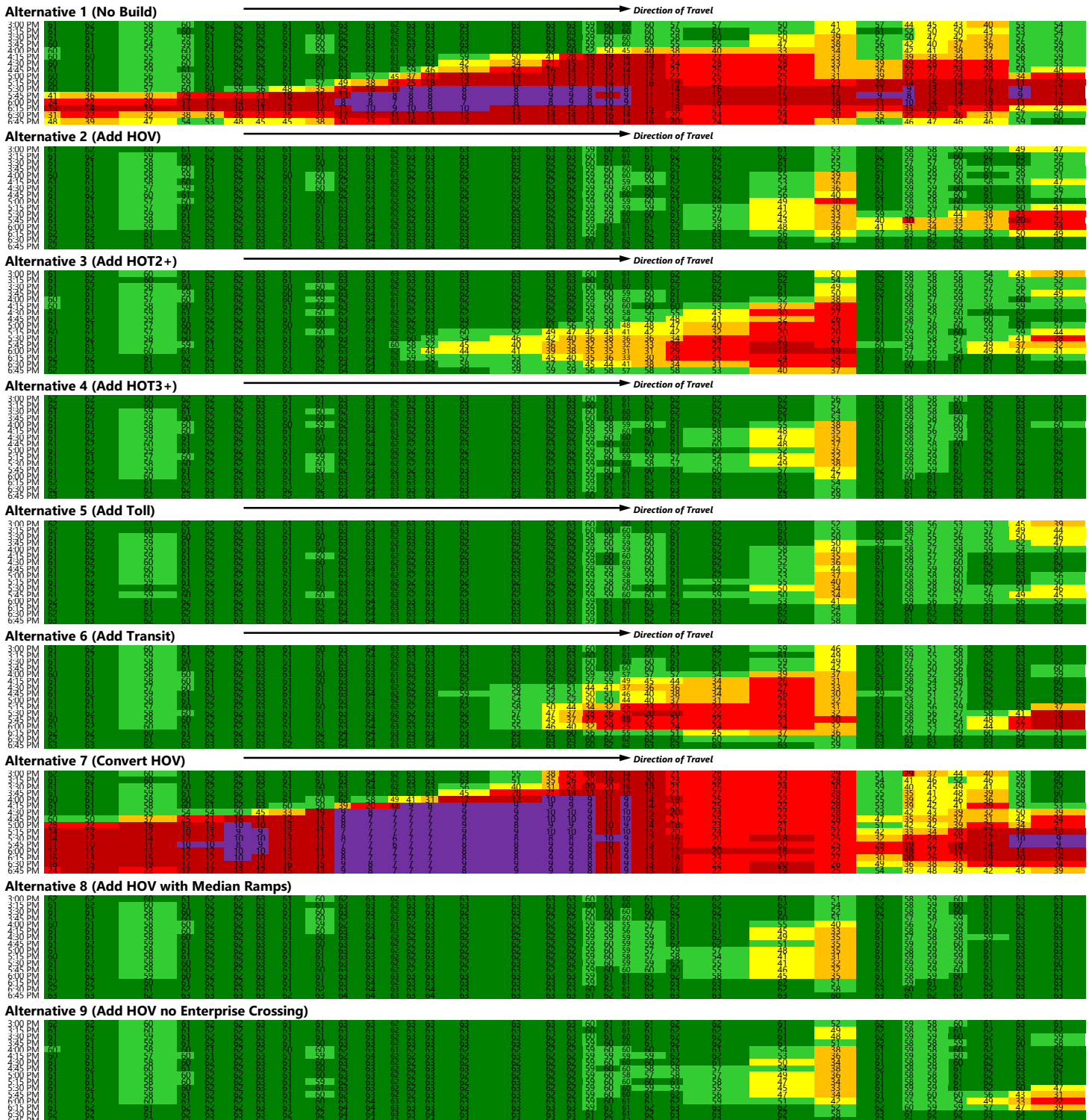
Alternative 9 (Add HOV no Enterprise Crossing)



Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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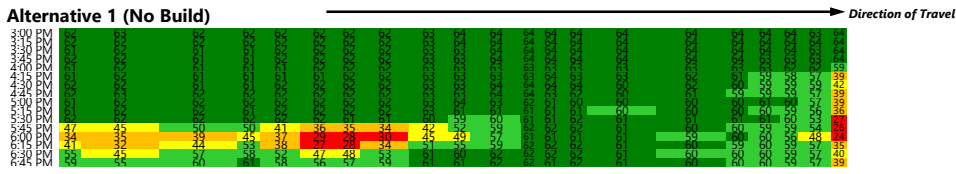
VISSIM Post-Processor  
 Average Link Speed for General Purpose Lanes  
 I-80 Westbound

I-80/US 50 Managed Lanes  
 Horizon Year 2049 Westbound  
 PM Peak Period

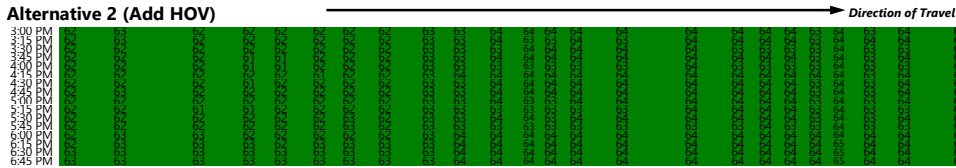


Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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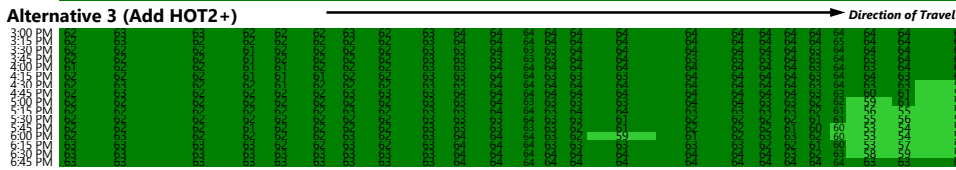
Alternative 1 (No Build)



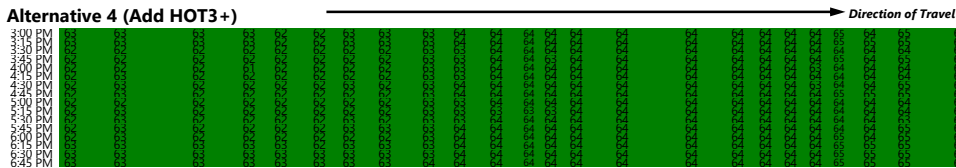
Alternative 2 (Add HOV)



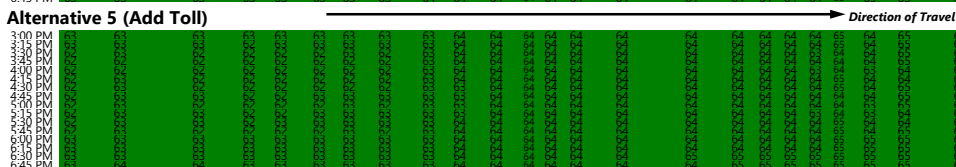
Alternative 3 (Add HOT2+)



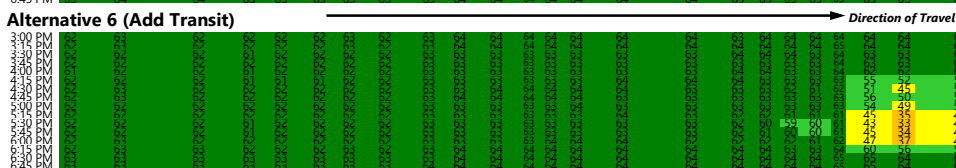
Alternative 4 (Add HOT3+)



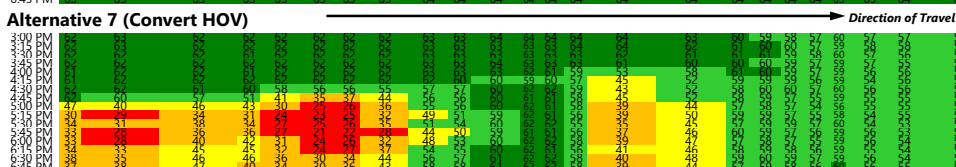
Alternative 5 (Add Toll)



Alternative 6 (Add Transit)



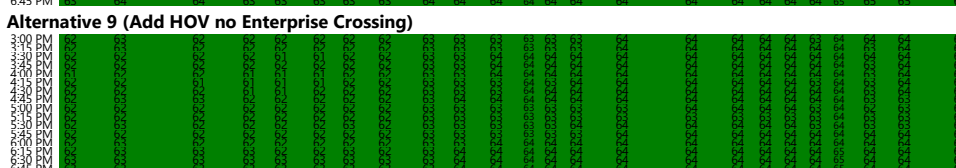
Alternative 7 (Convert HOV)



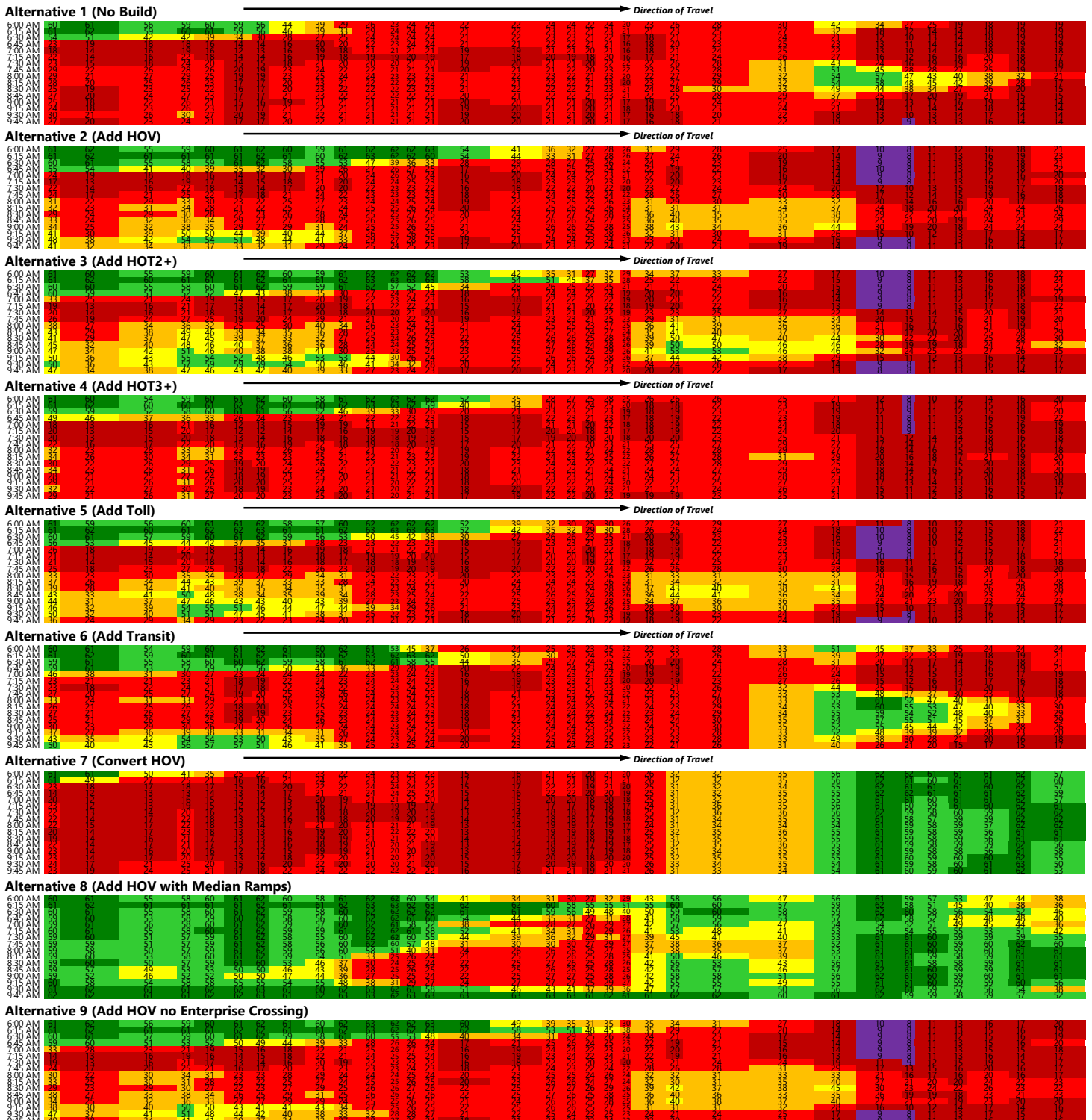
Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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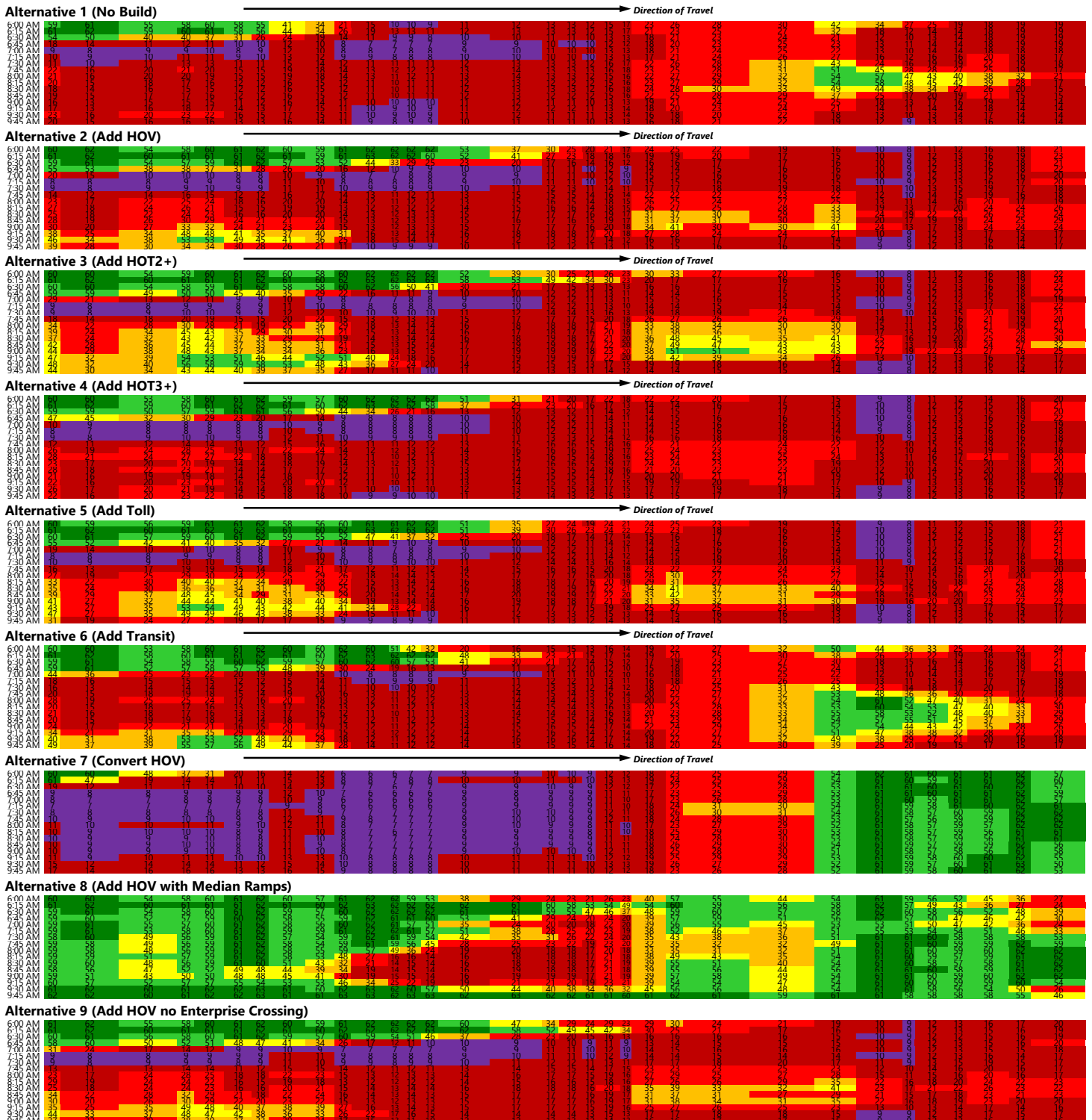


Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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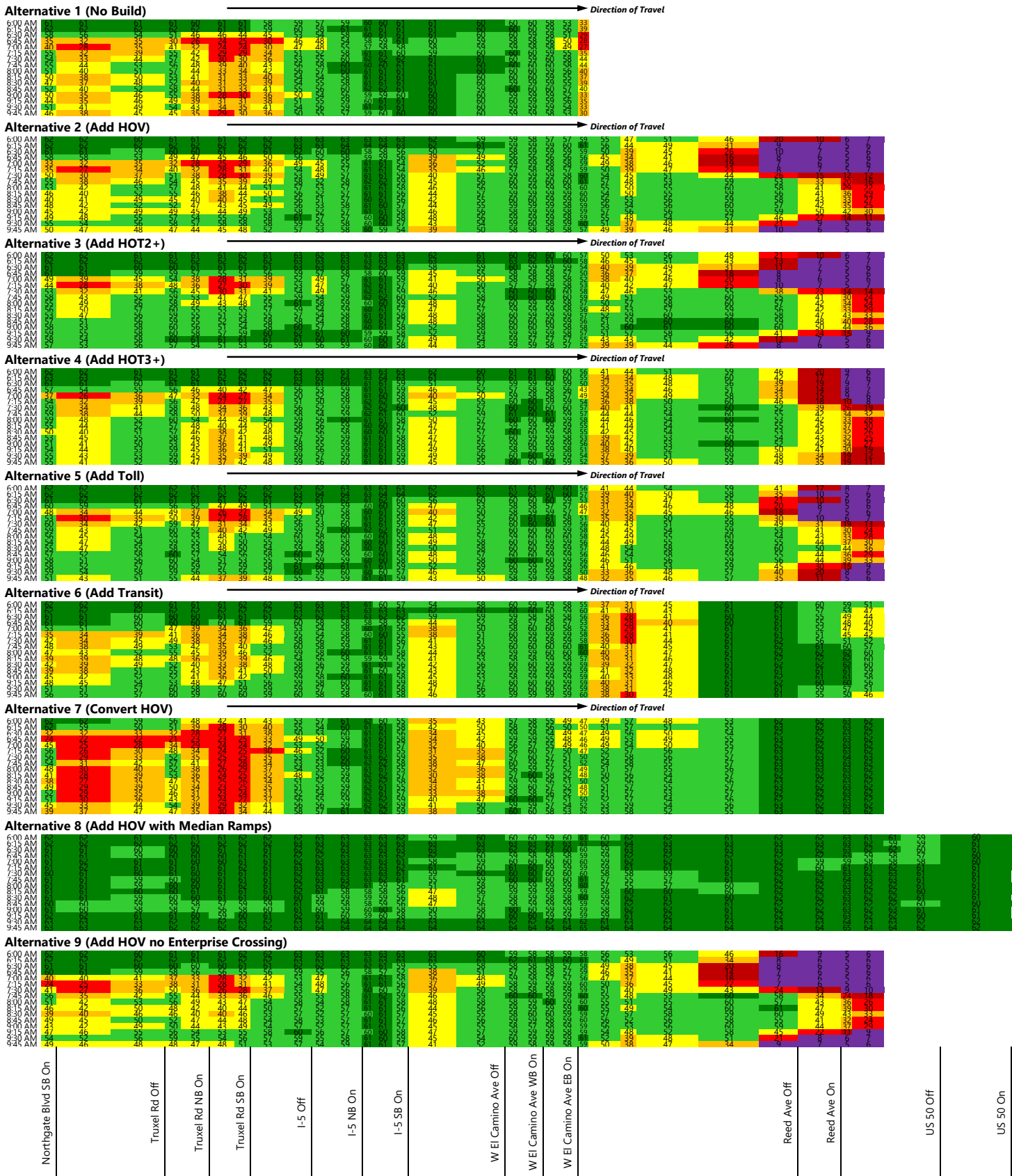


VISSIM Post-Processor  
 Average Link Speed for General Purpose Lanes  
 I-80 Westbound

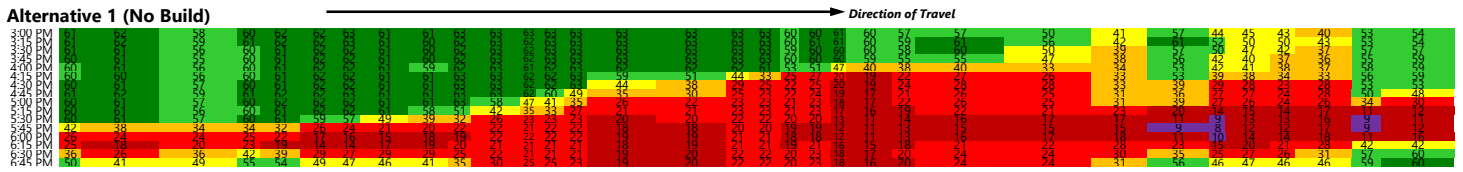
I-80/US 50 Managed Lanes  
 Horizon Year 2049 Westbound  
 AM Peak Period



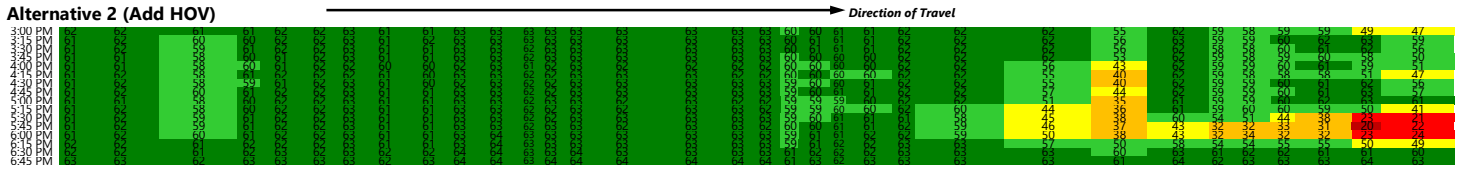
Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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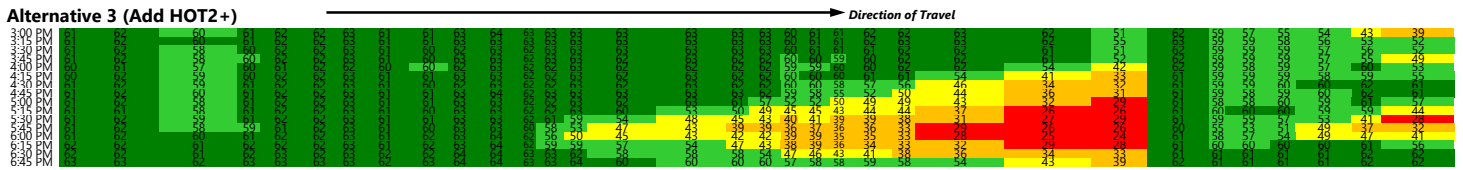
Alternative 1 (No Build)



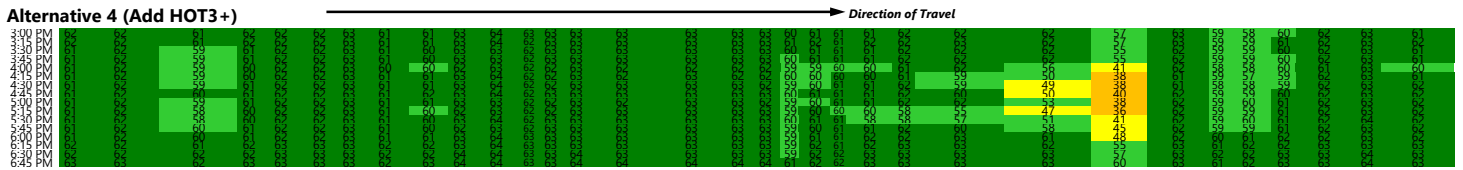
Alternative 2 (Add HOV)



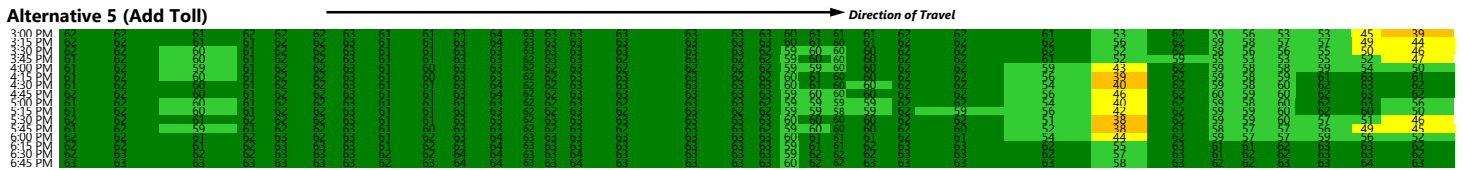
Alternative 3 (Add HOT2+)



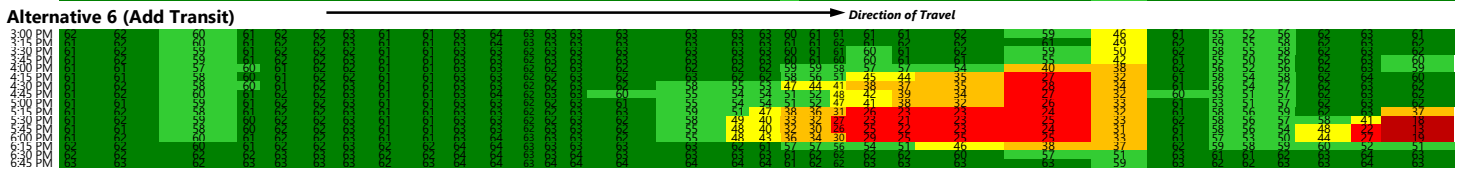
Alternative 4 (Add HOT3+)



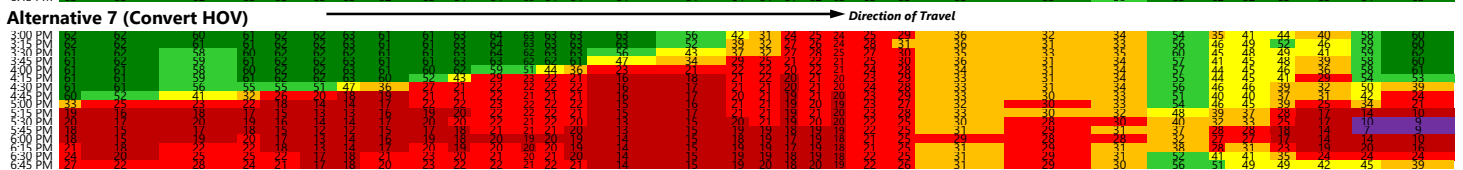
Alternative 5 (Add Toll)



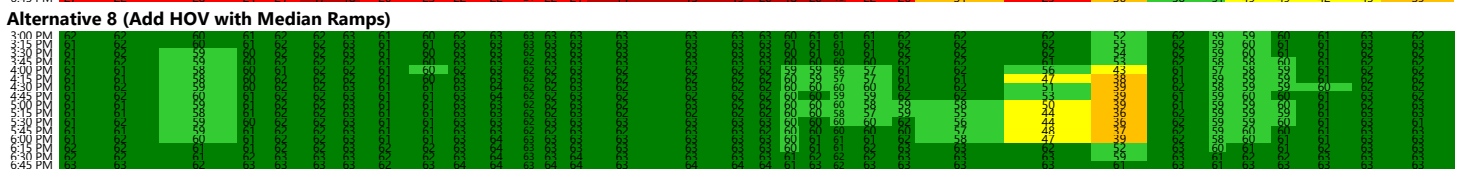
Alternative 6 (Add Transit)



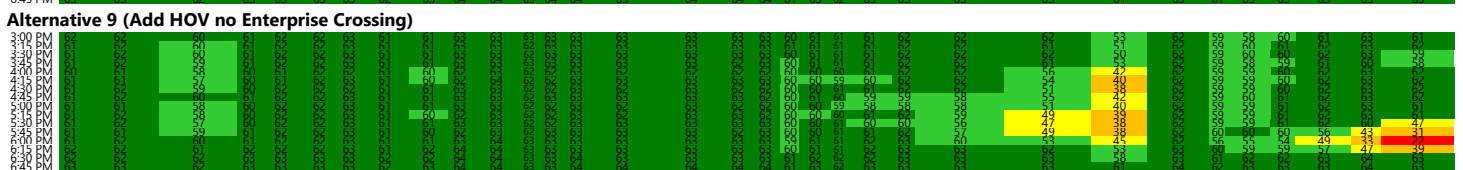
Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



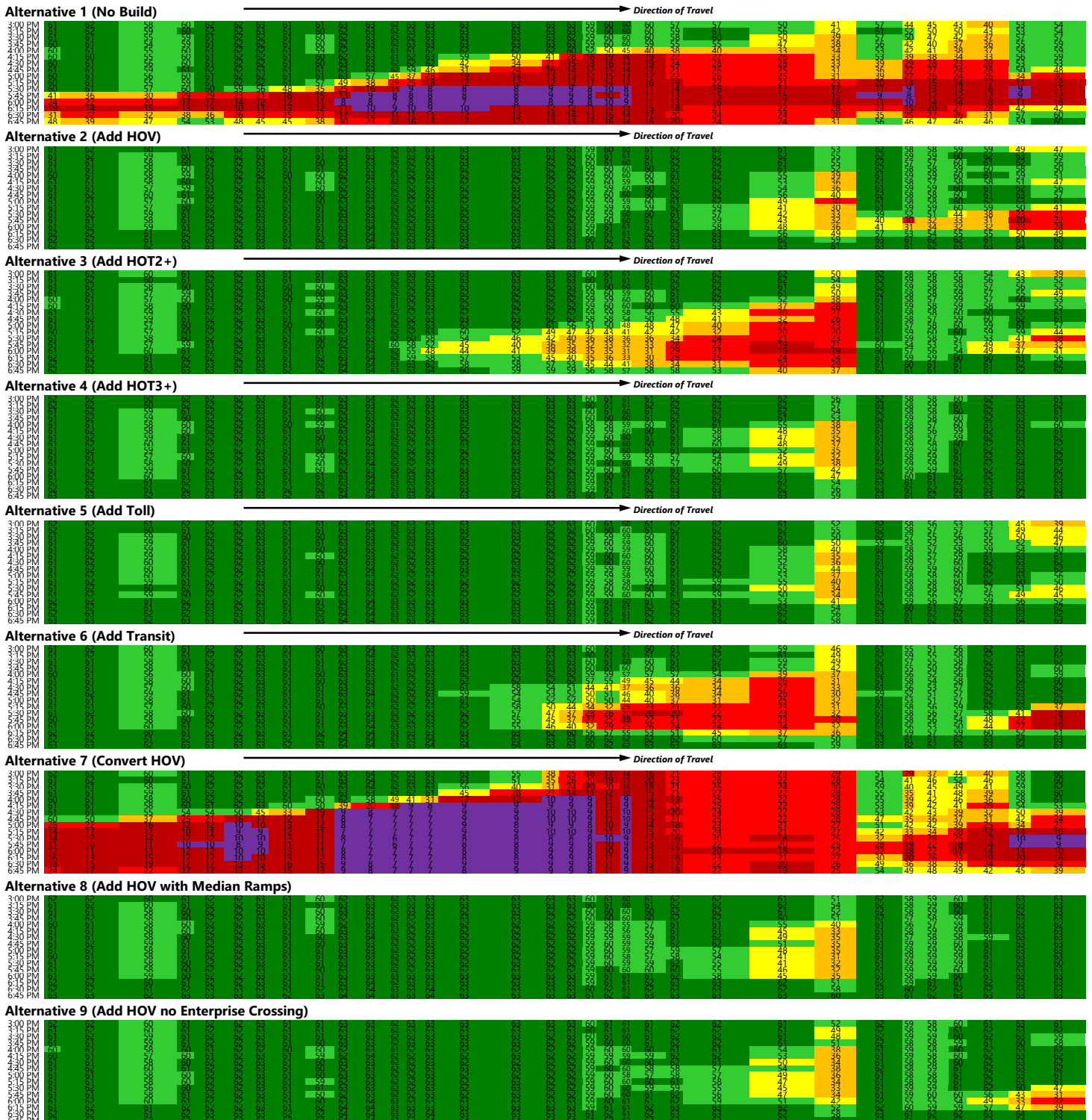
Alternative 9 (Add HOV no Enterprise Crossing)



Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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VISSIM Post-Processor  
 Average Link Speed for General Purpose Lanes  
 I-80 Westbound

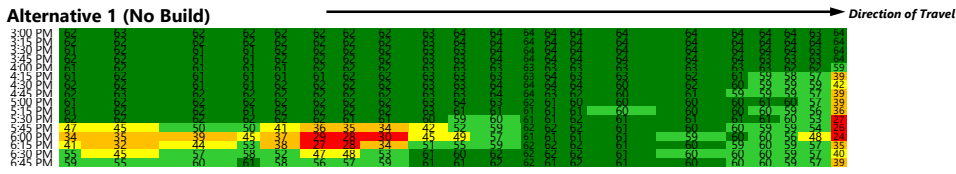
I-80/US 50 Managed Lanes  
 Horizon Year 2049 Westbound  
 PM Peak Period



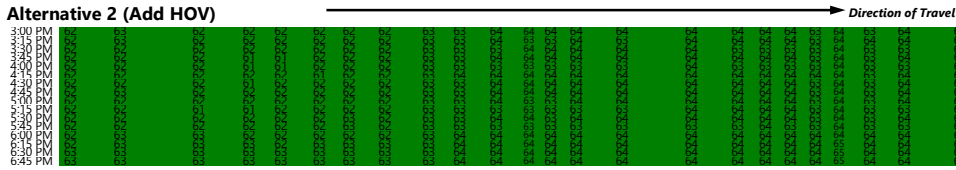
Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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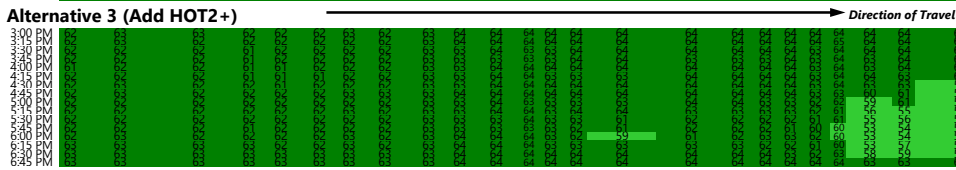
Alternative 1 (No Build)



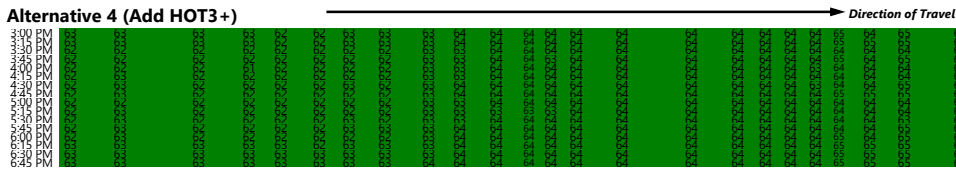
Alternative 2 (Add HOV)



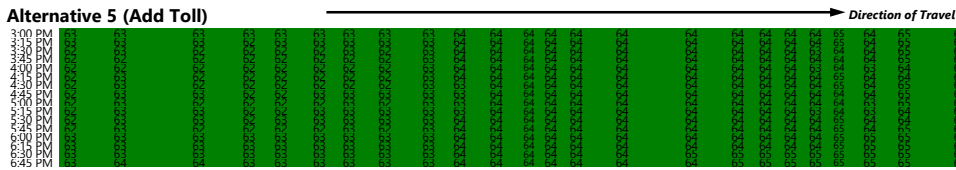
Alternative 3 (Add HOT2+)



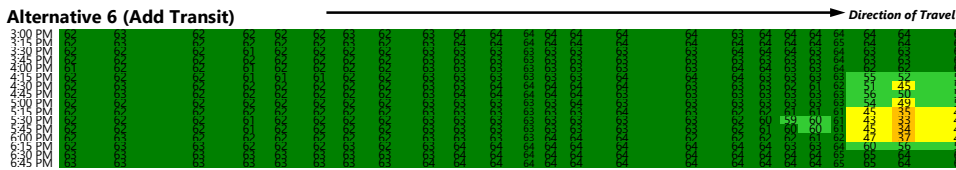
Alternative 4 (Add HOT3+)



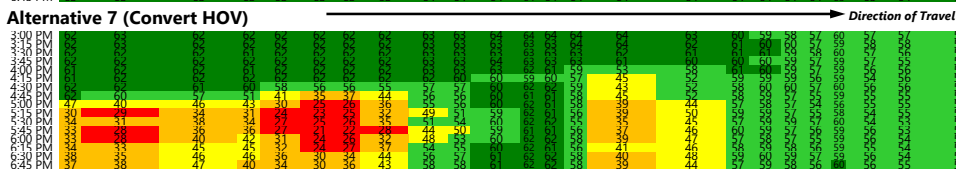
Alternative 5 (Add Toll)



Alternative 6 (Add Transit)



Alternative 7 (Convert HOV)



Alternative 8 (Add HOV with Median Ramps)



Alternative 9 (Add HOV no Enterprise Crossing)



Northgate Blvd SB On	Truxel Rd Off	Truxel Rd NB On	Truxel Rd SB On	I-5 Off	I-5 NB On	I-5 SB On	W El Camino Ave Off	W El Camino Ave WB On	W El Camino Ave EB On	Reed Ave Off	Reed Ave On	US 50 Off	US 50 On
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I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,058	4,781	3,172	4,620	3,218	4,646	3,224	4,664	3,241	4,672	3,231	4,557	3,164	4,596	3,071	4,188	3,211	4,533	3,255	4,594
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,126	4,927	3,246	4,758	3,298	4,786	3,302	4,805	3,318	4,814	3,309	4,699	3,238	4,736	3,146	4,251	3,292	4,675	3,332	4,668
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,109	4,927	3,250	4,758	3,300	4,785	3,307	4,808	3,321	4,814	3,312	4,701	3,243	4,736	3,153	4,094	3,297	4,671	3,334	4,667
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,108	4,927	3,252	4,758	3,301	4,785	3,307	4,807	3,319	4,815	3,312	4,701	3,244	4,736	3,154	4,069	3,296	4,671	3,334	4,666
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,079	4,878	3,231	4,709	3,279	4,733	3,288	4,758	3,297	4,763	3,294	4,650	3,227	4,684	3,133	3,898	3,277	4,621	3,313	4,616
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,061	4,873	3,236	4,712	3,288	4,733	3,292	4,751	3,304	4,761	3,302	4,648	3,229	4,683	3,136	3,596	3,285	4,622	3,319	4,616
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,619	3,726	2,706	3,598	2,814	3,890	2,824	3,952	2,830	3,958	2,839	3,817	2,709	3,574	2,549	2,316	2,821	3,790	2,847	3,783
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,610	3,726	2,707	3,580	2,815	3,892	2,828	3,953	2,833	3,963	2,842	3,818	2,710	3,554	2,550	2,122	2,820	3,790	2,846	3,784
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,476	3,405	2,543	3,215	2,667	3,594	2,687	3,647	2,690	3,656	2,697	3,516	2,551	3,197	2,387	1,771	2,673	3,481	2,704	3,484
10 I-80 EB: SR 113 On-ramp	Basic	2,462	3,404	2,549	2,962	2,673	3,567	2,694	3,653	2,696	3,656	2,703	3,508	2,556	2,953	2,393	1,460	2,678	3,468	2,709	3,480
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	2,861	3,943	2,971	3,440	3,198	4,306	3,218	4,414	3,198	4,430	3,168	4,243	2,997	3,450	2,802	2,073	3,204	4,278	3,244	4,305
12 I-80 EB: Old Davis Rd On-ramp	Merge	2,857	3,926	2,973	3,397	3,198	4,268	3,219	4,378	3,198	4,415	3,166	4,223	2,999	3,407	2,802	2,065	3,205	4,251	3,245	4,283
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,078	4,429	3,216	3,969	3,480	4,883	3,504	4,991	3,468	5,049	3,428	4,848	3,247	3,910	3,052	2,539	3,487	4,890	3,515	4,940
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,076	4,378	3,218	3,933											3,052	2,512				
I-80 EB: Lane Drop to Richards Blvd	Basic					3,481	4,839	3,508	4,946	3,469	5,002	3,431	4,802	3,248	3,880			3,489	4,851	3,518	4,899
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,068	4,316	3,220	3,923											3,052	2,462				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,065	4,302	3,221	3,925	3,485	4,790	3,508	4,891	3,465	4,947	3,430	4,742	3,251	3,859	3,054	2,447	3,492	4,794	3,519	4,847
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	2,898	3,891	3,048	3,533	3,315	4,330	3,336	4,424	3,294	4,465	3,257	4,265	3,073	3,472	2,866	2,141	3,319	4,325	3,345	4,374
18 I-80 EB: Richards Blvd On-ramp	Merge	2,890	3,847	3,051	3,530	3,316	4,296	3,341	4,392	3,294	4,429	3,260	4,225	3,074	3,468	2,866	2,120	3,320	4,290	3,347	4,335
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,009	4,164	3,194	3,907	3,495	4,845	3,521	4,922	3,470	4,870	3,431	4,663	3,234	3,863	3,025	2,499	3,499	4,834	3,529	4,880
20 I-80 EB: Mace Blvd Off-ramp	Diverge	2,974	4,000	3,208	3,896	3,512	4,842	3,536	4,925	3,486	4,821	3,444	4,607	3,251	3,855	3,035	2,420	3,511	4,820	3,536	4,849
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	2,814	3,803	3,050	3,718	3,351	4,662	3,376	4,740	3,327	4,647	3,287	4,436	3,089	3,584	2,874	2,290	3,348	4,641	3,378	4,664
22 I-80 EB: Mace Blvd SB On-ramp	Merge	2,809	3,787	3,052	3,719	3,358	4,664	3,377	4,743	3,331	4,645	3,287	4,437	3,088	3,583	2,876	2,278	3,350	4,639	3,378	4,665
23 I-80 EB: Mace Blvd NB On-ramp	Merge	3,131	4,395	3,412	4,388	3,746	5,418	3,759	5,502	3,720	5,435	3,668	5,252	3,473	4,336	3,229	2,781	3,739	5,403	3,776	5,431
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	3,354	4,799	3,658	4,809	4,042	6,023	4,051	6,098	3,988	5,994	3,905	5,852	3,738	4,842	3,457	3,172	4,037	6,023	4,067	6,029
25 I-80 EB: County Rd 32B Off-ramp	Diverge	3,286	4,793	3,658	4,768	4,049	6,030	4,066	6,101	3,998	5,991	3,910	5,853	3,740	4,799	3,466	2,921	4,043	6,026	4,072	6,026
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	3,268	4,778	3,651	4,751	4,039	6,023	4,053	6,091	3,989	5,981	3,908	5,840	3,732	4,785	3,458	2,880	4,029	6,016	4,060	6,008
27 I-80 EB: County Rd 32B On-ramp	Merge	3,258	4,762	3,655	4,746	4,040	6,019	4,052	6,090	3,990	5,985	3,905	5,838	3,735	4,782	3,460	2,847	4,028	6,018	4,061	6,004
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	3,310	5,232	3,732	5,301	4,134	6,487	4,139	6,538	4,094	6,523	4,046	6,313	3,823	5,384	3,594	3,226	4,126	6,437	4,147	6,480
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	3,225	5,223	3,749	5,301	4,139	6,414	4,163	6,541	4,109	6,528	4,056	6,316	3,845	5,380	3,603	2,783	4,136	6,393	4,162	6,358
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	3,115	4,906	3,603	4,924	3,977	5,959	4,006	6,103	3,957	6,093	3,900	5,871	3,699	5,001			3,983	5,944	4,024	5,919
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															3,474	2,520				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															3,474	2,497				
31 I-80 EB: Enterprise Blvd to US 50	Weave	3,105	4,904	3,603	4,924	3,985	5,923	4,013	6,100	3,957	6,090	3,896	5,875	3,705	5,002	3,473	2,472	3,985	5,931	4,028	5,881
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,417	3,662	2,967	3,898											2,911	2,370				
US 50 EB: I-80 Off to On-ramp	Basic					3,278	4,588	3,259	4,710	3,225	4,702	3,182	4,583	3,053	4,017			3,287	4,561	3,124	4,293
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,402	3,647	2,975	3,880											2,912	2,373				
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,398	3,631	2,975	3,865	3,281	4,399	3,257	4,590	3,228	4,607	3,187	4,522	3,052	3,920	2,912	2,377	3,287	4,386	3,127	4,115
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	2,583	4,472	2,931	4,662	3,387	5,259	3,358	5,459	3,335	5,433	3,277	5,401	3,050	4,728	2,875	3,380	3,393	5,248	3,239	5,102
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	2,578	4,404	2,931	4,642	3,387	5,235	3,360	5,426	3,338	5,406	3,279	5,372	3,049	4,699	2,876	3,380	3,395	5,219	3,239	5,093
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	2,951	4,880	3,281	5,068	3,759	5,783	3,745	5,926	3,695	5,925	3,614	5,826	3,410	5,097	3,246	3,904	3,764	5,746	3,659	5,604
38 US 50 EB: Jefferson Blvd On-ramp	Merge	2,931	4,835	3,286	5,034	3,762	5,786	3,750	5,933	3,693	5,933	3,614	5,818	3,409	5,103	3,245	3,907	3,764	5,734	3,662	5,609
39 US 50 EB: S River Rd On-ramp	Merge	3,882	6,160	4,288	6,304	4,804	7,088	4,768	7,231	4,717	7,229	4,641	7,096	4,450	6,379	4,269	5,188	4,796	7,039	4,718	6,915
40 US 50 EB: I-5 Off-ramp	Basic	4,411	6,890	4,908	6,905	5,444	7,728	5,394	7,866	5,343	7,855	5,272	7,720	5,092	6,988	4,902	5,827	5,413	7,677	5,378	7,548
41 US 50 EB: 5th St Off-ramp	Diverge	3,693	5,233	4,286	5,268	4,661	5,779	4,664	5,889	4,580	5,930	4,524	5,788	4,398	5,350	4,253	4,442	4,631	5,728	4,615	5,610
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,493	4,396	4,060	4,466																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					4,422	4,979	4,436	5,072	4,348	5,119	4,298	4,975	4,165	4,590	4,028	3,755	4,397	4,912	4,379	4,813
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,490	4,387																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			4,059	4,453																
US 50 EB: HOV Lane Add to I-5 On	Basic			4,064	4,448																
44 US 50 EB: I-5 to 15th St	Weave	3,480	4,376	4,065	4,452	4,424	4,975	4,446	5,064	4,350	5,111	4,303	4,960	4,167	4,595	4,023	3,758	4,402	4,892	4,387	4,804
45 US 50 EB: 15th St to 11th St	Basic	6,744	6,587	7,902	6,801	8,118	7,054	8,093	7,084	8,063	7,080	7,998	6,897	7,908	7,132	7,789	6,857	8,096	6,845	8,093	7,127
46 US 50 EB: 11th St On-ramp	Merge	6,731	6,532	7,912	6,798	8,125	7,056	8,090	7,086	8,060	7,083	7,993	6,898	7,904	7,131	7,784	6,853	8,093	6,841	8,098	7,126
47 US 50 EB: 16th St to SR 51/SR 99	Weave	7,007	7,322	8,413	7,803	8,589	8,057	8,550	8,084	8,514	8,090	8,450	7,889	8,385	8,130	8,253	7,868	8,539	7,845	8,570	8,136

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,074	2,263	1,417	2,253													1,554	2,601		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					1,534	2,500	1,561	2,610	1,541	2,616	1,525	2,596	1,458	2,210	1,375	1,265			1,333	2,480
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					1,537	2,501	1,559	2,612	1,539	2,621	1,523	2,594	1,458	2,213	1,374	1,273			1,334	2,479
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,068	2,266	1,420	2,251	1,538	2,501	1,560	2,613	1,540	2,621	1,523	2,595	1,458	2,212	1,374	1,273	1,553	2,602	1,334	2,478
63 I-80 EB: US 50 to Reed Ave	Basic	2,128	3,728	2,397	3,496	2,563	3,910	2,575	3,995	2,554	4,006	2,538	3,928	2,470	3,506	2,380	2,632	2,581	3,995	2,466	4,089
64 I-80 EB: Reed Ave Off-ramp	Diverge	2,125	3,730	2,397	3,497	2,561	3,914	2,575	3,997	2,554	4,005	2,539	3,929	2,469	3,502	2,379	2,634	2,582	3,997	2,465	4,078
65 I-80 EB: Reed Ave Off to On-ramp	Basic	1,417	3,292	1,668	3,000	1,804	3,564	1,812	3,644	1,806	3,627	1,789	3,588	1,717	3,173	1,644	2,335	1,825	3,649	1,722	3,681
66 I-80 EB: Reed Ave On-ramp	Merge	1,413	3,287	1,667	3,001	1,805	3,561	1,810	3,627	1,806	3,603	1,787	3,564	1,719	3,172	1,645	2,337	1,827	3,635	1,721	3,657
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	1,712	4,532	2,006	4,325											2,009	3,771				
I-80 EB: Reed Ave to W El Camino Ave	Basic					2,168	4,854	2,187	4,826	2,173	4,799	2,157	4,721	2,077	4,593			2,193	4,834	2,134	4,729
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	1,702	4,522	1,998	4,326											2,006	3,789				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	1,701	4,522	1,999	4,327	2,167	4,657	2,181	4,595	2,170	4,567	2,149	4,502	2,075	4,599	2,006	3,790	2,193	4,594	2,133	4,504
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	1,514	3,734	1,760	3,777	1,909	3,851	1,924	3,817	1,911	3,778	1,884	3,741	1,829	3,839	1,764	3,059	1,933	3,808	1,888	3,733
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	1,509	3,732	1,759	3,775	1,910	3,788	1,924	3,757	1,910	3,723	1,884	3,679	1,830	3,835	1,766	3,060	1,933	3,752	1,888	3,692
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	1,852	4,098	2,106	4,147	2,246	4,120	2,270	4,094	2,250	4,061	2,231	4,014	2,172	4,215	2,113	3,442	2,279	4,098	2,234	4,047
73 I-80 EB: W El Camino Ave to I-5	Basic	2,023	4,569	2,327	4,668	2,485	4,590	2,509	4,574	2,485	4,537	2,472	4,498	2,411	4,739	2,345	4,004	2,520	4,584	2,464	4,569
74 I-80 EB: I-5 Off-ramp	Basic	2,023	4,568	2,327	4,669	2,485	4,587	2,508	4,570	2,486	4,532	2,472	4,495	2,411	4,734	2,344	4,005	2,519	4,581	2,464	4,569
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	1,511	3,493	1,699	3,469	1,838	3,491	1,852	3,481	1,838	3,455	1,837	3,406	1,780	3,480	1,739	2,900	1,851	3,496	1,817	3,509
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	1,503	3,477	1,696	3,464	1,838	3,488	1,850	3,474	1,838	3,443	1,836	3,401	1,779	3,455	1,738	2,907	1,850	3,497	1,814	3,508
77 I-80 EB: I-5 SB On-ramp	Merge	1,502	3,444	1,697	3,449	1,837	3,487	1,850	3,476	1,836	3,441	1,837	3,404	1,777	3,435	1,736	2,924	1,849	3,495	1,813	3,505
78 I-80 EB: I-5 to Truxel Rd	Weave	2,038	4,390	2,264	4,451	2,395	4,502	2,422	4,486	2,409	4,457	2,404	4,395	2,352	4,452	2,319	4,015	2,428	4,503	2,392	4,517
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	2,933	5,937	3,027	5,983	3,207	6,095	3,225	6,080	3,216	6,031	3,218	5,983	3,160	6,027	3,154	5,733	3,225	6,086	3,210	6,100
80 I-80 EB: Truxel Rd SB On-ramp	Basic	2,930	5,936	3,026	5,983	3,208	6,093	3,224	6,082	3,217	6,029	3,220	5,985	3,160	6,029	3,151	5,735	3,222	6,090	3,209	6,100
81 I-80 EB: Truxel Rd NB On-ramp	Merge	3,160	6,560	3,275	6,570	3,468	6,694	3,485	6,671	3,478	6,629	3,481	6,602	3,418	6,636	3,406	6,367	3,482	6,695	3,464	6,701
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	3,508	6,936	3,659	7,036	3,892	7,169	3,905	7,142	3,903	7,121	3,902	7,090	3,842	7,137	3,836	6,892	3,906	7,175	3,889	7,189
83 I-80 EB: Northgate Blvd Off-ramp	Basic	3,499	6,910	3,659	7,040	3,894	7,168	3,906	7,141	3,902	7,125	3,901	7,105	3,842	7,144	3,836	6,911	3,909	7,170	3,891	7,190

I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 2  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,280	4,428	4,368	4,518	4,443	4,591	4,444	4,596	4,430	4,608	4,452	4,596	4,397	4,507	4,367	334	4,440	4,592	4,423	4,590
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,482	4,549	4,578	4,637	4,645	4,716	4,651	4,725	4,633	4,735	4,649	4,713	4,606	4,624	4,572	310	4,642	4,713	4,626	4,832
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,479	4,555	4,572	4,642	4,644	4,721	4,644	4,726	4,632	4,735	4,648	4,713	4,603	4,627	4,563	232	4,641	4,718	4,622	4,831
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,478	4,555	4,572	4,641	4,643	4,719	4,644	4,727	4,631	4,736	4,648	4,712	4,603	4,627	4,563	228	4,641	4,717	4,622	4,832
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,450	4,507	4,540	4,592	4,612	4,669	4,614	4,679	4,601	4,689	4,617	4,665	4,571	4,579	4,531	193	4,616	4,665	4,591	4,777
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,441	4,515	4,533	4,591	4,602	4,670	4,604	4,679	4,594	4,686	4,609	4,661	4,568	4,571	4,525	161	4,608	4,662	4,583	4,774
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,494	3,165	3,485	3,189	3,578	3,682	3,603	3,769	3,578	3,721	3,611	3,732	3,446	3,176	3,249	109	3,594	3,708	3,553	3,764
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,495	3,167	3,481	3,113	3,577	3,666	3,600	3,757	3,576	3,717	3,608	3,726	3,446	3,098	3,247	104	3,595	3,700	3,552	3,707
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,164	2,834	3,113	2,756	3,199	3,296	3,239	3,397	3,220	3,389	3,249	3,385	3,055	2,735	2,819	90	3,228	3,354	3,189	3,325
10 I-80 EB: SR 113 On-ramp	Basic	3,162	2,842	3,110	2,766	3,203	3,123	3,240	3,234	3,221	3,324	3,250	3,257	3,056	2,734	2,821	94	3,228	3,222	3,191	3,104
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	4,044	3,218	4,023	3,185	4,283	3,718	4,325	3,777	4,269	3,798	4,207	3,680	3,924	3,180	3,681	570	4,297	3,752	4,262	3,576
12 I-80 EB: Old Davis Rd On-ramp	Merge	4,043	3,230	4,022	3,188	4,284	3,720	4,323	3,777	4,270	3,777	4,209	3,663	3,924	3,182	3,682	568	4,298	3,742	4,262	3,556
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,403	3,836	4,423	3,781	4,701	4,351	4,733	4,409	4,683	4,372	4,616	4,256	4,314	3,759	4,047	759	4,719	4,380	4,679	4,173
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,404	3,858	4,423	3,789											4,047	755				
I-80 EB: Lane Drop to Richards Blvd	Basic					4,699	4,348	4,731	4,408	4,684	4,370	4,616	4,256	4,315	3,763			4,718	4,377	4,677	4,167
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,400	3,872	4,427	3,788											4,047	760				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,401	3,874	4,427	3,784	4,697	4,351	4,736	4,412	4,690	4,372	4,620	4,249	4,316	3,766	4,047	762	4,719	4,379	4,680	4,151
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	4,013	3,445	4,006	3,350	4,304	3,941	4,335	4,004	4,279	3,952	4,210	3,855	3,897	3,324	3,579	671	4,312	3,975	4,274	3,742
18 I-80 EB: Richards Blvd On-ramp	Merge	4,012	3,448	4,007	3,354	4,307	3,942	4,334	4,006	4,280	3,952	4,211	3,853	3,897	3,329	3,579	681	4,312	3,983	4,276	3,733
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,251	3,813	4,296	3,746	4,676	4,549	4,702	4,595	4,626	4,489	4,546	4,335	4,192	3,733	3,819	1,124	4,686	4,573	4,627	4,312
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,250	3,815	4,285	3,755	4,669	4,553	4,695	4,602	4,618	4,498	4,536	4,345	4,185	3,742	3,707	1,158	4,680	4,574	4,626	4,282
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,942	3,653	3,973	3,595	4,360	4,401	4,387	4,454	4,313	4,343	4,229	4,186	3,882	3,553	3,390	1,105	4,368	4,415	4,315	4,135
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,939	3,655	3,966	3,596	4,355	4,403	4,388	4,451	4,309	4,347	4,230	4,187	3,886	3,553	3,371	1,113	4,367	4,417	4,314	4,130
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,616	4,303	4,686	4,259	4,953	5,198	4,993	5,249	4,902	5,167	4,838	5,028	4,473	4,287	3,852	1,512	4,967	5,211	4,917	4,878
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	5,019	4,791	5,195	4,768	5,439	5,891	5,486	5,934	5,390	5,852	5,295	5,743	4,909	4,839	4,236	1,999	5,459	5,918	5,413	5,544
25 I-80 EB: County Rd 32B Off-ramp	Diverge	5,005	4,709	5,175	4,735	5,421	5,851	5,461	5,919	5,373	5,845	5,278	5,740	4,898	4,801	4,230	2,077	5,430	5,902	5,392	5,377
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	4,996	4,688	5,166	4,724	5,413	5,831	5,448	5,901	5,360	5,828	5,265	5,732	4,890	4,793	4,222	2,082	5,427	5,891	5,388	5,339
27 I-80 EB: County Rd 32B On-ramp	Merge	4,997	4,689	5,158	4,728	5,411	5,822	5,448	5,893	5,358	5,820	5,263	5,731	4,887	4,796	4,215	2,092	5,428	5,881	5,386	5,308
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	5,285	5,319	5,434	5,331	5,800	6,382	5,849	6,473	5,757	6,380	5,771	6,334	5,264	5,399	4,606	2,628	5,797	6,417	5,761	5,829
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,238	5,313	5,380	5,332	5,762	6,120	5,805	6,148	5,713	6,018	5,728	6,028	5,221	5,405	4,592	2,760	5,750	6,114	5,718	5,489
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,956	4,904	5,016	4,914	5,370	5,672	5,407	5,660	5,319	5,492	5,340	5,531	4,878	4,967			5,350	5,633	5,371	5,118
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															4,329	2,492				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															4,327	2,497				
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,953	4,909	5,012	4,916	5,364	5,662	5,400	5,617	5,319	5,435	5,340	5,475	4,870	4,969	4,327	2,509	5,348	5,616	5,366	5,103
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,746	3,597	3,900	3,732											3,504	2,377				
US 50 EB: I-80 Off to On-ramp	Basic					4,180	4,247	4,246	4,024	4,151	3,872	4,167	3,869	3,822	3,760			4,187	4,141	4,048	3,801
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,731	3,526	3,890	3,741											3,503	2,422				
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,718	3,513	3,886	3,752	4,171	4,302	4,245	4,154	4,140	3,984	4,154	3,925	3,817	3,817	3,503	2,432	4,182	4,227	4,039	3,784
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,508	4,430	4,450	4,757	4,890	5,418	4,938	5,416	4,838	5,229	4,784	5,123	4,476	4,952	4,018	3,602	4,908	5,368	4,859	4,846
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,466	4,435	4,447	4,769	4,884	5,426	4,936	5,441	4,834	5,272	4,782	5,159	4,473	4,968	4,019	3,609	4,907	5,372	4,855	4,844
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	4,465	4,569	4,262	4,871	4,482	5,623	4,632	5,647	4,477	5,571	4,478	5,512	4,100	5,043	3,989	3,904	4,543	5,589	4,525	5,111
38 US 50 EB: Jefferson Blvd On-ramp	Merge	4,408	4,538	4,255	4,891	4,437	5,618	4,619	5,649	4,467	5,641	4,477	5,570	4,067	5,046	3,985	3,916	4,508	5,598	4,480	5,087
39 US 50 EB: S River Rd On-ramp	Merge	6,010	5,951	5,754	6,192	5,964	6,922	6,164	6,935	6,016	6,953	6,023	6,886	5,595	6,341	5,451	5,236	6,043	6,907	6,012	6,381
40 US 50 EB: I-5 Off-ramp	Basic	7,140	6,745	6,537	6,809	6,715	7,539	6,953	7,548	6,801	7,592	6,807	7,521	6,342	6,958	6,236	5,865	6,803	7,553	6,768	7,017
41 US 50 EB: 5th St Off-ramp	Diverge	5,879	5,410	5,373	5,408	5,727	5,848	5,848	5,855	5,805	5,938	5,838	5,869	5,369	5,555	5,336	4,656	5,803	5,857	5,745	5,428
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	5,184	4,288	4,773	4,394																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					5,101	4,809	5,217	4,800	5,161	4,878	5,215	4,837	4,775	4,540	4,768	3,772	5,165	4,843	5,105	4,457
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	5,168	4,281																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			4,760	4,396																
US 50 EB: HOV Lane Add to I-5 On	Basic			4,749	4,395																
44 US 50 EB: I-5 to 15th St	Weave	5,143	4,266	4,745	4,381	5,078	4,782	5,192	4,770	5,131	4,863	5,198	4,842	4,738	4,522	4,761	3,771	5,136	4,851	5,071	4,458
45 US 50 EB: 15th St to 11th St	Basic	8,645	5,803	8,365	6																



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,687	2,284	1,914	2,424													2,068	2,712		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					2,054	2,610	2,035	2,555	2,040	2,478	2,054	2,539	1,917	2,455	1,781	1,432			1,799	2,377
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					2,047	2,521	2,031	2,468	2,035	2,382	2,050	2,457	1,914	2,448	1,779	1,425			1,796	2,314
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,683	2,280	1,908	2,422	2,047	2,515	2,030	2,461	2,035	2,375	2,049	2,452	1,914	2,446	1,779	1,425	2,068	2,606	1,795	2,309
63 I-80 EB: US 50 to Reed Ave	Basic	3,093	3,966	3,251	3,933	3,407	3,711	3,396	3,568	3,399	3,418	3,393	3,506	3,273	4,035	3,131	3,035	3,430	3,694	3,308	3,480
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,090	3,930	3,250	3,919	3,405	3,646	3,392	3,501	3,394	3,355	3,387	3,445	3,270	4,007	3,128	3,032	3,426	3,630	3,307	3,431
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,185	3,440	2,319	3,407	2,472	3,233	2,445	3,100	2,445	2,985	2,455	3,043	2,346	3,526	2,201	2,754	2,491	3,214	2,392	3,083
66 I-80 EB: Reed Ave On-ramp	Merge	2,183	3,417	2,319	3,394	2,471	3,200	2,445	3,076	2,443	2,969	2,455	3,032	2,343	3,502	2,200	2,753	2,487	3,190	2,388	3,071
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,690	5,001	2,910	4,824												2,839	4,149			
I-80 EB: Reed Ave to W El Camino Ave	Basic					3,105	4,402	3,083	4,233	3,082	4,153	3,109	4,195	2,988	4,926			3,129	4,390	3,112	4,250
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,679	4,992	2,901	4,816												2,830	4,137			
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,679	4,992	2,900	4,815	3,097	4,380	3,076	4,255	3,071	4,174	3,101	4,216	2,979	4,887	2,828	4,135	3,122	4,425	3,099	4,260
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,289	3,860	2,451	3,824	2,596	3,498	2,572	3,405	2,573	3,379	2,583	3,405	2,488	3,827	2,354	3,077	2,619	3,550	2,623	3,456
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	2,290	3,857	2,451	3,823	2,596	3,499	2,573	3,416	2,574	3,377	2,582	3,407	2,487	3,805	2,351	3,075	2,618	3,554	2,622	3,460
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,889	4,310	3,040	4,276	3,186	3,931	3,168	3,849	3,156	3,807	3,175	3,833	3,078	4,223	2,951	3,533	3,205	3,992	3,217	3,893
73 I-80 EB: W El Camino Ave to I-5	Basic	3,416	4,788	3,619	4,834	3,760	4,468	3,750	4,383	3,734	4,325	3,747	4,371	3,679	4,715	3,552	4,098	3,782	4,532	3,791	4,430
74 I-80 EB: I-5 Off-ramp	Basic	3,416	4,786	3,619	4,833	3,760	4,466	3,750	4,385	3,733	4,323	3,747	4,372	3,677	4,710	3,552	4,098	3,781	4,534	3,791	4,430
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,618	3,307	2,690	3,280	2,804	3,180	2,783	3,130	2,792	3,047	2,807	3,131	2,746	3,212	2,693	2,791	2,825	3,256	2,821	3,173
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,614	3,292	2,685	3,272	2,799	3,179	2,777	3,134	2,783	3,046	2,803	3,128	2,737	3,211	2,685	2,791	2,820	3,256	2,817	3,175
77 I-80 EB: I-5 SB On-ramp	Merge	2,605	3,304	2,678	3,263	2,796	3,178	2,768	3,129	2,772	3,041	2,797	3,125	2,733	3,213	2,681	2,791	2,816	3,252	2,812	3,174
78 I-80 EB: I-5 to Truxel Rd	Weave	3,635	4,239	3,712	4,233	3,861	4,166	3,829	4,098	3,820	3,999	3,827	4,103	3,781	4,218	3,752	3,816	3,880	4,242	3,862	4,161
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	4,976	5,801	4,846	5,745	5,072	5,790	5,044	5,700	5,017	5,651	5,050	5,714	4,969	5,749	4,959	5,504	5,085	5,861	5,084	5,778
80 I-80 EB: Truxel Rd SB On-ramp	Basic	4,970	5,792	4,840	5,722	5,067	5,763	5,040	5,674	5,010	5,627	5,045	5,683	4,966	5,722	4,951	5,504	5,080	5,840	5,077	5,748
81 I-80 EB: Truxel Rd NB On-ramp	Merge	5,614	6,325	5,508	6,279	5,743	6,326	5,714	6,242	5,680	6,174	5,722	6,230	5,640	6,279	5,629	6,086	5,762	6,395	5,759	6,295
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	6,203	6,721	6,120	6,792	6,359	6,843	6,343	6,743	6,288	6,663	6,357	6,724	6,285	6,792	6,279	6,678	6,382	6,880	6,397	6,804
83 I-80 EB: Northgate Blvd Off-ramp	Basic	6,193	6,700	6,106	6,752	6,345	6,816	6,330	6,724	6,279	6,637	6,345	6,698	6,274	6,765	6,269	6,662	6,369	6,856	6,382	6,781

I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 3  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	4,307	4,317	4,410	4,618	4,355	4,613	4,360	4,613	3,212	4,604	4,332	4,650	4,383	4,591	4,426	449	4,335	4,663	4,328	4,034
2 I-80 EB: Pedrick Rd to Lane Add	Basic	4,493	4,416	4,596	4,716	4,548	4,711	4,548	4,709	3,400	4,698	4,522	4,747	4,577	4,679	4,609	565	4,522	4,759	4,513	4,064
3 I-80 EB: Lane Add to Kidwell Rd	Basic	4,495	4,426	4,602	4,715	4,550	4,713	4,549	4,712	3,401	4,701	4,525	4,742	4,581	4,663	4,616	619	4,523	4,759	4,517	3,976
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	4,496	4,426	4,602	4,717	4,550	4,714	4,549	4,712	3,402	4,701	4,524	4,739	4,580	4,662	4,615	624	4,523	4,760	4,517	3,965
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	4,478	4,393	4,582	4,681	4,532	4,679	4,531	4,675	3,391	4,656	4,505	4,691	4,560	4,601	4,595	642	4,499	4,725	4,497	3,847
6 I-80 EB: Kidwell Rd to SR 113	Weave	4,485	4,394	4,586	4,632	4,538	4,663	4,539	4,673	3,395	4,628	4,511	4,678	4,565	4,502	4,600	693	4,504	4,726	4,503	3,651
7 I-80 EB: SR 113 to Old Davis Rd	Basic	3,513	3,206	3,394	3,264	3,470	3,625	3,496	3,684	2,617	3,612	3,462	3,623	3,395	3,108	3,278	599	3,451	3,717	3,445	2,744
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	3,516	3,208	3,396	3,214	3,471	3,561	3,499	3,606	2,621	3,552	3,466	3,515	3,397	3,055	3,282	612	3,453	3,685	3,447	2,671
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	3,169	2,997	2,983	2,979	3,098	3,327	3,127	3,337	2,343	3,278	3,109	3,240	2,989	2,821	2,851	558	3,087	3,444	3,068	2,461
10 I-80 EB: SR 113 On-ramp	Basic	3,174	2,997	2,991	2,981	3,101	3,322	3,132	3,270	2,345	3,128	3,111	3,146	2,993	2,799	2,854	571	3,092	3,403	3,074	2,448
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,956	3,368	3,838	3,426	4,144	3,917	4,170	3,828	3,324	3,656	4,055	3,655	3,858	3,242	3,683	1,044	4,125	3,965	4,083	3,045
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,958	3,375	3,840	3,426	4,143	3,917	4,171	3,828	3,323	3,653	4,054	3,653	3,856	3,237	3,682	1,047	4,125	3,966	4,085	3,045
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	4,375	3,856	4,280	3,898	4,604	4,505	4,628	4,396	3,776	4,198	4,501	4,187	4,276	3,769	4,107	1,564	4,589	4,533	4,548	3,607
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	4,376	3,878	4,278	3,898											4,107	1,562				
I-80 EB: Lane Drop to Richards Blvd	Basic					4,605	4,509	4,630	4,390	3,774	4,197	4,501	4,181	4,275	3,759			4,590	4,529	4,548	3,614
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	4,381	3,917	4,277	3,907											4,107	1,562				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	4,380	3,929	4,277	3,912	4,609	4,509	4,630	4,378	3,774	4,186	4,501	4,182	4,275	3,739	4,109	1,563	4,595	4,527	4,551	3,618
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	3,772	3,423	3,651	3,379	3,997	3,975	4,012	3,846	3,253	3,668	3,896	3,658	3,657	3,198	3,451	1,327	3,979	3,992	3,937	3,163
18 I-80 EB: Richards Blvd On-ramp	Merge	3,775	3,455	3,650	3,381	3,998	3,982	4,015	3,843	3,256	3,666	3,899	3,655	3,660	3,188	3,453	1,320	3,981	3,985	3,936	3,162
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	4,047	3,872	3,959	3,804	4,377	4,646	4,392	4,510	3,630	4,253	4,254	4,223	3,988	3,630	3,773	1,826	4,365	4,645	4,315	3,817
20 I-80 EB: Mace Blvd Off-ramp	Diverge	4,057	3,899	3,972	3,813	4,385	4,649	4,406	4,494	3,636	4,243	4,267	4,215	3,998	3,597	3,769	1,816	4,376	4,643	4,329	3,818
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	3,686	3,696	3,596	3,629	4,022	4,445	4,044	4,295	3,321	4,046	3,904	4,025	3,639	3,348	3,385	1,723	4,023	4,436	3,970	3,649
22 I-80 EB: Mace Blvd SB On-ramp	Merge	3,688	3,694	3,605	3,629	4,028	4,444	4,047	4,293	3,325	4,041	3,907	4,024	3,639	3,343	3,386	1,721	4,029	4,431	3,972	3,651
23 I-80 EB: Mace Blvd NB On-ramp	Merge	4,330	4,299	4,315	4,235	4,650	5,183	4,670	5,007	3,952	4,796	4,532	4,844	4,245	4,010	3,877	2,300	4,657	5,163	4,606	4,343
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	4,747	4,760	4,766	4,643	5,166	5,775	5,185	5,563	4,476	5,337	4,998	5,429	4,704	4,518	4,277	2,858	5,173	5,759	5,125	4,925
25 I-80 EB: County Rd 32B Off-ramp	Diverge	4,771	4,776	4,792	4,647	5,177	5,710	5,203	5,356	4,493	5,187	5,016	5,325	4,715	4,498	4,258	2,914	5,198	5,603	5,146	4,900
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	4,761	4,767	4,786	4,645	5,170	5,683	5,200	5,330	4,488	5,161	5,010	5,293	4,703	4,485	4,239	2,917	5,188	5,566	5,134	4,893
27 I-80 EB: County Rd 32B On-ramp	Merge	4,761	4,765	4,794	4,643	5,173	5,671	5,201	5,312	4,492	5,142	5,014	5,263	4,707	4,481	4,227	2,930	5,189	5,546	5,139	4,898
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	5,022	5,319	5,135	5,301	5,545	6,124	5,557	5,794	4,913	5,659	5,638	5,729	5,087	5,350	4,790	3,666	5,548	5,978	5,502	5,418
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	5,071	5,322	5,192	5,303	5,585	5,973	5,589	5,673	4,955	5,530	5,675	5,493	5,119	5,347	4,768	3,714	5,584	5,846	5,532	5,490
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	4,694	4,814	4,691	4,755	5,033	5,368	5,034	5,099	4,430	4,993	5,093	4,920	4,620	4,786			5,038	5,251	5,053	4,952
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															4,346	3,287				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															4,345	3,292				
31 I-80 EB: Enterprise Blvd to US 50	Weave	4,695	4,811	4,694	4,753	5,037	5,359	5,038	5,089	4,435	4,991	5,097	4,915	4,623	4,784	4,344	3,295	5,041	5,241	5,058	4,955
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	3,371	2,863	3,361	3,196											3,178	2,632				
US 50 EB: I-80 Off to On-ramp	Basic					3,613	3,362	3,605	3,145	3,252	3,102	3,687	3,052	3,338	3,245			3,617	3,361	3,531	3,425
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	3,385	2,953	3,374	3,211											3,179	2,624				
34 US 50 EB: I-80 to Harbor Blvd	Weave	3,399	2,984	3,377	3,218	3,627	3,529	3,616	3,166	3,267	3,107	3,696	3,082	3,352	3,301	3,181	2,621	3,629	3,478	3,543	3,450
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	4,105	3,863	3,841	3,951	4,305	4,562	4,276	4,097	3,949	3,967	4,280	3,930	3,916	4,148	3,688	3,466	4,337	4,540	4,295	4,359
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	4,143	3,930	3,845	3,963	4,311	4,606	4,277	4,124	3,952	3,972	4,279	3,936	3,917	4,172	3,688	3,461	4,336	4,582	4,299	4,358
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,954	3,895	3,317	3,975	3,752	4,871	3,758	4,370	3,445	4,155	3,674	4,108	3,384	4,151	3,209	3,507	3,751	4,835	3,716	4,408
38 US 50 EB: Jefferson Blvd On-ramp	Merge	4,021	3,924	3,286	4,014	3,782	4,986	3,742	4,476	3,470	4,191	3,657	4,154	3,406	4,214	3,220	3,497	3,738	4,941	3,724	4,409
39 US 50 EB: S River Rd On-ramp	Merge	5,667	5,353	4,744	5,343	5,264	6,318	5,239	5,831	5,039	5,569	5,132	5,532	4,926	5,598	4,703	4,595	5,118	6,284	5,125	5,647
40 US 50 EB: I-5 Off-ramp	Basic	6,636	6,169	5,551	6,057	6,097	7,019	6,036	6,544	5,872	6,303	5,939	6,287	5,726	6,295	5,475	5,200	5,882	6,984	5,907	6,273
41 US 50 EB: 5th St Off-ramp	Diverge	5,277	4,736	4,472	4,624	4,905	5,311	4,851	4,958	4,724	4,757	4,762	4,742	4,640	4,812	4,434	3,932	4,715	5,299	4,790	4,759
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	4,510	3,546	3,770	3,510																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					4,179	4,137	4,108	3,837	4,023	3,636	4,045	3,606	3,935	3,675	3,745	2,982	4,010	4,129	4,088	3,694
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	4,521	3,569																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			3,776	3,532																
US 50 EB: HOV Lane Add to I-5 On	Basic			3,779	3,548																
44 US 50 EB: I-5 to 15th St	Weave	4,538	3,605	3,775	3,569	4,196	4,194	4,124	3,896	4,049	3,680	4,063	3,645	3,950	3,710	3,753	2,985	4,025	4,171	4,106	3,711
45 US 50 EB: 15th St to 11th St	Basic	7,439	5,626																		

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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,854	2,716	2,168	2,755													2,334	3,085		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					2,305	2,926	2,360	2,823	2,078	2,757	2,332	2,764	2,169	2,742	2,113	1,905			2,102	2,655
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					2,305	2,952	2,359	2,838	2,077	2,775	2,330	2,770	2,168	2,714	2,109	1,899			2,100	2,690
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,852	2,692	2,166	2,740	2,304	2,954	2,359	2,838	2,076	2,777	2,331	2,770	2,168	2,713	2,107	1,899	2,326	3,088	2,100	2,694
63 I-80 EB: US 50 to Reed Ave	Basic	3,063	4,044	3,233	3,890	3,419	4,150	3,461	4,013	3,176	3,932	3,426	3,938	3,265	3,929	3,204	3,130	3,419	4,239	3,345	4,039
64 I-80 EB: Reed Ave Off-ramp	Diverge	3,068	4,036	3,233	3,871	3,423	4,160	3,464	4,020	3,181	3,946	3,427	3,946	3,266	3,934	3,205	3,132	3,423	4,247	3,346	4,052
65 I-80 EB: Reed Ave Off to On-ramp	Basic	2,328	3,520	2,324	3,485	2,489	3,792	2,518	3,662	2,276	3,585	2,502	3,601	2,341	3,568	2,273	2,848	2,503	3,894	2,432	3,705
66 I-80 EB: Reed Ave On-ramp	Merge	2,331	3,517	2,327	3,473	2,491	3,799	2,518	3,673	2,278	3,592	2,502	3,613	2,342	3,568	2,275	2,851	2,507	3,899	2,435	3,718
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	2,866	5,059	2,926	4,884											2,920	4,224				
I-80 EB: Reed Ave to W El Camino Ave	Basic					3,143	5,116	3,171	4,958			3,163	4,923	2,983	4,956			3,143	5,244	3,150	5,059
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	2,870	5,067	2,939	4,880											2,925	4,219				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	2,870	5,067	2,940	4,879	3,144	5,170	3,178	4,994	2,944	4,941	3,166	4,965	2,988	4,981	2,925	4,220	3,153	5,283	3,160	5,116
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	2,357	3,646	2,403	3,603	2,560	3,896	2,588	3,775	2,384	3,727	2,573	3,739	2,437	3,639	2,380	3,013	2,573	3,991	2,579	3,891
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	2,358	3,648	2,404	3,606	2,558	3,922	2,589	3,802	2,386	3,770	2,575	3,760	2,437	3,662	2,381	3,013	2,572	4,009	2,582	3,933
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	2,843	4,117	2,913	4,078	3,053	4,395	3,085	4,287	2,896	4,266	3,088	4,242	2,946	4,147	2,883	3,475	3,065	4,489	3,078	4,410
73 I-80 EB: W El Camino Ave to I-5	Basic	3,186	4,553	3,360	4,541	3,532	4,908	3,561	4,795	3,377	4,792	3,580	4,749	3,418	4,706	3,349	3,952	3,547	5,012	3,547	4,947
74 I-80 EB: I-5 Off-ramp	Basic	3,186	4,554	3,359	4,541	3,533	4,912	3,562	4,796	3,377	4,795	3,580	4,750	3,419	4,712	3,350	3,951	3,549	5,012	3,547	4,947
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	2,232	3,185	2,317	3,120	2,459	3,304	2,484	3,196	2,352	3,233	2,497	3,173	2,373	3,251	2,345	2,641	2,460	3,347	2,480	3,275
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	2,239	3,212	2,324	3,134	2,465	3,317	2,492	3,202	2,362	3,250	2,502	3,183	2,385	3,272	2,353	2,640	2,468	3,353	2,488	3,283
77 I-80 EB: I-5 SB On-ramp	Merge	2,248	3,234	2,329	3,158	2,471	3,327	2,503	3,212	2,377	3,265	2,507	3,189	2,389	3,292	2,357	2,639	2,473	3,358	2,494	3,293
78 I-80 EB: I-5 to Truxel Rd	Weave	3,221	4,131	3,339	4,078	3,488	4,246	3,543	4,148	3,400	4,215	3,499	4,107	3,417	4,231	3,401	3,575	3,509	4,278	3,519	4,211
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	3,925	5,142	3,847	4,853	4,058	5,178	4,098	5,137	3,959	5,173	4,068	5,093	4,001	5,102	3,979	4,461	4,078	5,213	4,088	5,140
80 I-80 EB: Truxel Rd SB On-ramp	Basic	3,932	5,153	3,855	4,881	4,066	5,207	4,105	5,168	3,968	5,205	4,075	5,128	4,006	5,131	3,990	4,467	4,090	5,237	4,098	5,174
81 I-80 EB: Truxel Rd NB On-ramp	Merge	4,649	5,775	4,607	5,521	4,851	5,875	4,885	5,835	4,749	5,863	4,853	5,793	4,783	5,774	4,767	5,069	4,860	5,882	4,882	5,846
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	5,150	6,306	5,155	6,176	5,449	6,558	5,488	6,523	5,347	6,548	5,445	6,477	5,384	6,485	5,381	5,729	5,474	6,556	5,497	6,539
83 I-80 EB: Northgate Blvd Off-ramp	Basic	5,164	6,361	5,176	6,232	5,465	6,614	5,504	6,572	5,361	6,595	5,461	6,539	5,400	6,540	5,391	5,750	5,491	6,610	5,513	6,593

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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	3,376	3,466	3,660	3,718	3,660	3,881	3,681	3,821	3,667	3,845	3,660	3,830	3,633	3,723	3,623	1,067	3,671	3,942	3,671	3,490
2 I-80 EB: Pedrick Rd to Lane Add	Basic	3,474	3,581	3,758	3,838	3,754	3,992	3,780	3,918	3,764	3,958	3,753	3,914	3,729	3,840	3,722	1,197	3,768	4,062	3,769	3,573
3 I-80 EB: Lane Add to Kidwell Rd	Basic	3,474	3,583	3,757	3,848	3,755	3,975	3,782	3,883	3,766	3,934	3,754	3,836	3,729	3,844	3,722	1,224	3,768	4,053	3,770	3,562
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	3,474	3,584	3,758	3,847	3,757	3,972	3,782	3,876	3,767	3,928	3,756	3,826	3,730	3,845	3,722	1,228	3,769	4,051	3,770	3,558
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	3,455	3,559	3,742	3,824	3,740	3,934	3,764	3,802	3,747	3,869	3,742	3,730	3,714	3,824	3,707	1,233	3,755	4,012	3,753	3,531
6 I-80 EB: Kidwell Rd to SR 113	Weave	3,462	3,566	3,741	3,878	3,736	3,916	3,762	3,674	3,742	3,773	3,741	3,562	3,707	3,857	3,705	1,265	3,754	3,929	3,749	3,543
7 I-80 EB: SR 113 to Old Davis Rd	Basic	2,861	2,894	3,017	3,247	3,099	3,328	3,121	3,064	3,110	3,162	3,111	2,972	3,002	3,107	2,900	967	3,112	3,299	3,102	3,037
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	2,863	2,895	3,019	3,377	3,097	3,338	3,122	3,050	3,108	3,114	3,108	2,963	3,002	3,137	2,902	999	3,108	3,244	3,101	3,053
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	2,663	2,729	2,783	3,268	2,874	3,180	2,901	2,906	2,891	2,944	2,889	2,812	2,771	2,983	2,657	933	2,885	3,051	2,887	2,900
10 I-80 EB: SR 113 On-ramp	Basic	2,661	2,726	2,779	3,311	2,872	3,220	2,899	2,925	2,890	2,953	2,886	2,832	2,769	3,029	2,654	984	2,881	3,022	2,882	2,925
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	3,138	3,323	3,288	4,027	3,501	4,147	3,512	3,840	3,472	3,846	3,450	3,700	3,410	3,822	3,142	1,756	3,509	3,931	3,499	3,843
12 I-80 EB: Old Davis Rd On-ramp	Merge	3,138	3,322	3,288	4,027	3,500	4,151	3,511	3,843	3,473	3,852	3,449	3,702	3,413	3,831	3,144	1,765	3,508	3,932	3,497	3,853
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	3,428	3,776	3,595	4,515	3,883	4,724	3,891	4,412	3,843	4,403	3,800	4,242	3,764	4,348	3,488	2,363	3,890	4,481	3,868	4,431
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	3,428	3,787	3,598	4,518											3,490	2,392				
I-80 EB: Lane Drop to Richards Blvd	Basic					3,884	4,731	3,890	4,423	3,846	4,413	3,800	4,254	3,763	4,359			3,892	4,490	3,870	4,436
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	3,430	3,799	3,598	4,525											3,490	2,444				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	3,430	3,802	3,597	4,527	3,884	4,744	3,891	4,452	3,847	4,445	3,801	4,272	3,762	4,389	3,487	2,456	3,890	4,505	3,870	4,467
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	2,922	3,304	3,070	3,911	3,384	4,201	3,390	3,952	3,333	3,911	3,288	3,767	3,203	3,789	2,912	2,126	3,383	3,990	3,369	3,949
18 I-80 EB: Richards Blvd On-ramp	Merge	2,924	3,319	3,072	3,922	3,384	4,223	3,393	3,978	3,333	3,944	3,285	3,796	3,207	3,827	2,915	2,148	3,383	4,000	3,372	3,990
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	3,176	3,718	3,355	4,329	3,743	4,902	3,754	4,657	3,674	4,544	3,614	4,372	3,514	4,298	3,225	2,650	3,751	4,657	3,735	4,668
20 I-80 EB: Mace Blvd Off-ramp	Diverge	3,186	3,891	3,355	4,356	3,743	4,933	3,750	4,686	3,678	4,592	3,613	4,409	3,514	4,374	3,346	2,700	3,751	4,658	3,731	4,748
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	2,905	3,632	3,067	4,055	3,457	4,651	3,473	4,422	3,400	4,332	3,330	4,151	3,225	3,911	3,073	2,514	3,475	4,395	3,455	4,499
22 I-80 EB: Mace Blvd SB On-ramp	Merge	2,905	3,663	3,067	4,058	3,455	4,652	3,470	4,425	3,396	4,339	3,328	4,156	3,228	3,922	3,095	2,520	3,473	4,397	3,457	4,506
23 I-80 EB: Mace Blvd NB On-ramp	Merge	3,328	4,147	3,503	4,520	4,101	5,245	4,108	5,038	4,036	5,011	3,973	4,869	3,864	4,453	3,628	3,385	4,118	4,990	4,104	5,178
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	3,639	4,490	3,829	4,820	4,566	5,685	4,518	5,498	4,429	5,436	4,283	5,306	4,286	4,843	3,979	3,821	4,572	5,443	4,519	5,638
25 I-80 EB: County Rd 32B Off-ramp	Diverge	3,652	4,599	3,848	4,903	4,585	5,686	4,530	5,591	4,439	5,529	4,293	5,304	4,296	4,932	4,015	3,912	4,585	5,479	4,531	5,820
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	3,646	4,609	3,846	4,903	4,579	5,691	4,519	5,581	4,430	5,529	4,286	5,299	4,290	4,937	4,015	3,912	4,576	5,468	4,521	5,839
27 I-80 EB: County Rd 32B On-ramp	Merge	3,650	4,634	3,835	4,914	4,575	5,691	4,523	5,585	4,427	5,535	4,290	5,306	4,288	4,945	4,036	3,920	4,577	5,472	4,519	5,867
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	3,776	5,031	3,966	5,290	4,747	5,992	4,682	5,883	4,616	5,858	4,567	5,620	4,449	5,376	4,284	4,275	4,743	5,772	4,677	6,215
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	3,804	5,079	3,986	5,293	4,769	6,031	4,709	5,858	4,636	5,931	4,591	5,707	4,470	5,375	4,342	4,296	4,771	5,793	4,709	6,382
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	3,573	4,610	3,653	4,731	4,366	5,417	4,299	5,232	4,246	5,290	4,200	5,062	4,090	4,788			4,378	5,184	4,367	5,743
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															4,020	3,745				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															4,023	3,737				
31 I-80 EB: Enterprise Blvd to US 50	Weave	3,583	4,612	3,658	4,728	4,364	5,424	4,300	5,237	4,246	5,305	4,199	5,065	4,097	4,790	4,027	3,729	4,381	5,187	4,367	5,765
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	2,640	2,502	2,969	2,874											3,287	2,668				
US 50 EB: I-80 Off to On-ramp	Basic					3,489	3,145	3,404	2,970	3,385	3,075	3,371	2,868	3,266	2,980			3,478	3,003	3,276	3,279
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	2,647	2,507	2,970	2,874											3,277	2,648				
34 US 50 EB: I-80 to Harbor Blvd	Weave	2,648	2,511	2,971	2,875	3,487	3,134	3,396	2,959	3,346	3,072	3,376	2,866	3,237	2,978	3,271	2,642	3,470	3,001	3,277	3,490
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	3,006	2,841	3,153	3,166	3,792	3,486	3,707	3,329	3,621	3,402	3,668	3,222	3,377	3,286	3,372	2,900	3,777	3,368	3,583	4,356
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	3,010	2,844	3,145	3,166	3,788	3,484	3,701	3,329	3,600	3,401	3,661	3,223	3,326	3,289	3,363	2,891	3,769	3,369	3,578	4,391
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	3,239	3,204	3,185	3,528	3,741	4,032	3,703	3,842	3,483	3,953	3,641	3,807	3,170	3,621	3,271	3,291	3,657	3,927	3,522	4,773
38 US 50 EB: Jefferson Blvd On-ramp	Merge	3,242	3,277	3,159	3,541	3,677	4,027	3,651	3,844	3,388	3,947	3,616	3,808	3,089	3,620	3,223	3,286	3,613	3,928	3,468	4,786
39 US 50 EB: S River Rd On-ramp	Merge	4,491	4,643	4,451	4,847	5,049	5,331	4,958	5,179	4,595	5,316	5,029	5,194	4,264	5,030	4,340	4,261	4,873	5,271	4,691	6,088
40 US 50 EB: I-5 Off-ramp	Basic	5,019	5,280	5,246	5,559	5,806	6,076	5,734	5,895	5,310	6,057	5,817	5,966	4,953	5,786	5,015	4,849	5,656	6,031	5,452	6,745
41 US 50 EB: 5th St Off-ramp	Diverge	3,948	3,688	4,311	3,915	4,713	4,229	4,695	4,105	4,306	4,224	4,720	4,155	4,045	4,112	4,127	3,446	4,587	4,180	4,473	4,751
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	3,565	2,940	3,888	3,148																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					4,257	3,452	4,241	3,344	3,899	3,433	4,275	3,378	3,632	3,341	3,743	2,798	4,138	3,414	4,059	3,871
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	3,570	2,944																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			3,883	3,147																
US 50 EB: HOV Lane Add to I-5 On	Basic			3,880	3,145																
44 US 50 EB: I-5 to 15th St	Weave	3,585	2,946	3,882	3,145	4,250	3,449	4,227	3,343	3,892	3,431	4,243	3,378	3,615	3,342	3,737	2,801	4,142	3,415	4,063	3,868
45 US 50 EB: 15th St to 11th St	Basic	6,367																			

I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 4  
 Opening Year 2029

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	1,439	2,598	1,679	3,046													1,917	3,373		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					1,864	3,357	1,886	3,256	1,849	3,365	1,836	3,212	1,797	3,025	1,759	2,262			1,623	3,315
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					1,537	2,501	1,559	2,612	1,539	2,621	1,523	2,594	1,458	2,213	1,374	1,273			1,334	2,479
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,068	2,266	1,420	2,251	1,538	2,501	1,560	2,613	1,540	2,621	1,523	2,595	1,458	2,212	1,374	1,273	1,553	2,602	1,334	2,478
63 I-80 EB: US 50 to Reed Ave	Basic	2,128	3,728	2,397	3,496	2,563	3,910	2,575	3,995	2,554	4,006	2,538	3,928	2,470	3,506	2,380	2,632	2,581	3,995	2,466	4,089
64 I-80 EB: Reed Ave Off-ramp	Diverge	2,125	3,730	2,397	3,497	2,561	3,914	2,575	3,997	2,554	4,005	2,539	3,929	2,469	3,502	2,379	2,634	2,582	3,997	2,465	4,078
65 I-80 EB: Reed Ave Off to On-ramp	Basic	1,417	3,292	1,668	3,000	1,804	3,564	1,812	3,644	1,806	3,627	1,789	3,588	1,717	3,173	1,644	2,335	1,825	3,649	1,722	3,681
66 I-80 EB: Reed Ave On-ramp	Merge	1,413	3,287	1,667	3,001	1,805	3,561	1,810	3,627	1,806	3,603	1,787	3,564	1,719	3,172	1,645	2,337	1,827	3,635	1,721	3,657
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	1,712	4,532	2,006	4,325											2,009	3,771				
I-80 EB: Reed Ave to W El Camino Ave	Basic					2,168	4,854	2,187	4,826	2,173	4,799	2,157	4,721	2,077	4,593			2,193	4,834	2,134	4,729
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	1,702	4,522	1,998	4,326											2,006	3,789				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	1,701	4,522	1,999	4,327	2,167	4,657	2,181	4,595	2,170	4,567	2,149	4,502	2,075	4,599	2,006	3,790	2,193	4,594	2,133	4,504
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	1,514	3,734	1,760	3,777	1,909	3,851	1,924	3,817	1,911	3,778	1,884	3,741	1,829	3,839	1,764	3,059	1,933	3,808	1,888	3,733
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	1,509	3,732	1,759	3,775	1,910	3,788	1,924	3,757	1,910	3,723	1,884	3,679	1,830	3,835	1,766	3,060	1,933	3,752	1,888	3,692
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	1,852	4,098	2,106	4,147	2,246	4,120	2,270	4,094	2,250	4,061	2,231	4,014	2,172	4,215	2,113	3,442	2,279	4,098	2,234	4,047
73 I-80 EB: W El Camino Ave to I-5	Basic	2,023	4,569	2,327	4,668	2,485	4,590	2,509	4,574	2,485	4,537	2,472	4,498	2,411	4,739	2,345	4,004	2,520	4,584	2,464	4,569
74 I-80 EB: I-5 Off-ramp	Basic	2,023	4,568	2,327	4,669	2,485	4,587	2,508	4,570	2,486	4,532	2,472	4,495	2,411	4,734	2,344	4,005	2,519	4,581	2,464	4,569
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	1,511	3,493	1,699	3,469	1,838	3,491	1,852	3,481	1,838	3,455	1,837	3,406	1,780	3,480	1,739	2,900	1,851	3,496	1,817	3,509
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	1,503	3,477	1,696	3,464	1,838	3,488	1,850	3,474	1,838	3,443	1,836	3,401	1,779	3,455	1,738	2,907	1,850	3,497	1,814	3,508
77 I-80 EB: I-5 SB On-ramp	Merge	1,502	3,444	1,697	3,449	1,837	3,487	1,850	3,476	1,836	3,441	1,837	3,404	1,777	3,435	1,736	2,924	1,849	3,495	1,813	3,505
78 I-80 EB: I-5 to Truxel Rd	Weave	2,038	4,390	2,264	4,451	2,395	4,502	2,422	4,486	2,409	4,457	2,404	4,395	2,352	4,452	2,319	4,015	2,428	4,503	2,392	4,517
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	2,933	5,937	3,027	5,983	3,207	6,095	3,225	6,080	3,216	6,031	3,218	5,983	3,160	6,027	3,154	5,733	3,225	6,086	3,210	6,100
80 I-80 EB: Truxel Rd SB On-ramp	Basic	2,930	5,936	3,026	5,983	3,208	6,093	3,224	6,082	3,217	6,029	3,220	5,985	3,160	6,029	3,151	5,735	3,222	6,090	3,209	6,100
81 I-80 EB: Truxel Rd NB On-ramp	Merge	3,160	6,560	3,275	6,570	3,468	6,694	3,485	6,671	3,478	6,629	3,481	6,602	3,418	6,636	3,406	6,367	3,482	6,695	3,464	6,701
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	3,508	6,936	3,659	7,036	3,892	7,169	3,905	7,142	3,903	7,121	3,902	7,090	3,842	7,137	3,836	6,892	3,906	7,175	3,889	7,189
83 I-80 EB: Northgate Blvd Off-ramp	Basic	3,499	6,910	3,659	7,040	3,894	7,168	3,906	7,141	3,902	7,125	3,901	7,105	3,842	7,144	3,836	6,911	3,909	7,170	3,891	7,190



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	5,013	5,362	6,501	6,037	6,912	6,262	6,817	6,046	6,497	5,951	6,529	5,637	6,297	6,312	3,896	3,436	6,942	6,606	6,916	6,177
102 US 50 WB: SR 51 to 16th St	Weave	7,702	7,488	8,421	7,739	9,312	8,099	9,331	7,880	8,789	7,774	8,950	7,489	8,273	8,043	5,033	4,132	9,476	8,605	9,456	7,790
103 US 50 WB: 10th St Off-ramp	Diverge	7,976	8,159	8,818	8,853	9,849	9,453	9,894	9,331	9,577	9,142	9,619	8,818	8,666	8,978	5,606	5,081	10,037	9,723	9,996	9,128
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	7,336	7,499	8,159	8,220	9,134	8,721	9,139	8,717	8,844	8,549	8,835	8,180	7,940	8,189	5,142	4,667	9,022	8,958	9,248	8,410
105 US 50 WB: 15th St to I-5	Weave	7,336	7,407	8,032	8,125	9,133	8,612	9,131	8,585	8,847	8,439	8,834	8,046	7,785	8,036	5,061	4,680	9,015	8,962	9,244	8,291
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,570	4,356	5,051	5,326	5,980	5,883	6,047	5,868	5,775	5,757	5,737	5,177	4,893	5,226	3,010	3,568	5,787	6,227	6,027	5,537
107 US 50 WB: 5th St On-ramp	Merge	4,566	4,359	5,022	5,311	5,982	5,890	6,045	5,867	5,777	5,760	5,739	5,178	4,868	5,230	3,330	3,581	5,784	6,228	6,027	5,541
108 US 50 WB: I-5 On-ramp	Merge	4,664	4,665	5,095	5,603	6,139	6,269	6,223	6,256	5,948	6,150	5,918	5,591	4,965	5,536	3,435	3,882	5,939	6,675	6,186	5,915
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	6,199	5,391	6,416	6,571	7,922	7,275	7,985	7,231	7,647	7,133	7,646	6,600	6,280	6,490	4,348	4,861	7,719	7,672	7,939	6,913
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	5,375	3,529	4,994	3,937	6,208	4,506	6,280	4,561	6,064	4,400	6,081	3,967	4,835	3,872	3,406	2,908	6,100	4,779	6,251	4,305
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	5,374	3,535	4,880	3,947																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					6,215	4,514	6,275	4,568	6,005	4,411	6,083	3,979	4,846	3,878	3,375	2,909	6,101	4,780	6,262	4,322
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	5,698	4,047	5,487	4,825																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	5,696	4,049	5,450	4,824																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	5,694	4,048	5,419	4,823																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	4,003	3,068	3,740	3,610	4,912	4,163	4,921	4,280	4,662	4,012	4,742	3,705	3,818	3,590	2,840	2,784	4,826	4,394	4,954	3,977
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	4,003	3,069	3,695	3,613	4,914	4,164	4,925	4,283	4,648	4,013	4,740	3,706	3,823	3,591	2,842	2,784	4,826	4,397	4,947	3,965
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	4,279	3,511	4,115	4,276	5,326	4,762	5,330	4,881	5,035	4,546	5,134	4,440	4,225	4,200	3,209	3,391	5,248	4,970	5,487	4,584
118 US 50 WB: I-80 EB Off-ramp	Basic	4,461	3,690	4,315	4,599	5,549	5,027	5,549	5,155	5,235	4,820	5,356	4,732	4,424	4,483	3,410	3,664	5,428	5,220	5,714	4,859
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	3,406	2,261	3,253	2,662	4,329	3,137	4,325	3,294	4,078	3,043	4,182	3,018	3,334	2,654	2,554	2,192	4,191	3,284	4,313	2,840
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	3,345	2,263	3,253	2,665	4,330	3,139	4,331	3,295	4,080	3,044	4,184	3,019	3,331	2,655	2,331	2,172	4,192	3,285	4,318	2,840
121 I-80 WB: US 50 to W Capitol Ave	Weave	3,294	2,266	3,239	2,665	4,332	3,138	4,331	3,305	4,083	3,047	4,186	3,025	3,328	2,656	2,564	2,191	4,193	3,288	4,329	2,839
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	5,197	4,119	5,552	4,848											4,759	4,067				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					6,792	5,508	6,819	5,707	6,531	5,132	6,638	5,647	5,753	4,738			7,320	5,582	6,842	5,242
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	5,178	4,122	5,552	4,855											4,760	4,066				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	5,161	4,122	5,558	4,863	6,787	5,512	6,817	5,709	6,531	5,133	6,640	5,651	5,745	4,741	4,759	4,069	7,326	5,581	6,843	5,240
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	5,286	4,203	5,742	4,981	6,991	5,645	7,024	5,836	6,739	5,258	6,851	5,770	5,930	4,856	4,921	4,152	7,532	5,708	6,996	5,410
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,607	4,418	5,965	5,108	7,215	5,765	7,257	5,945	6,981	5,377	7,084	5,881	6,151	4,972	5,139	4,258	7,773	5,833	7,231	5,622
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,586	4,425	5,962	5,125	7,225	5,776	7,263	5,965	6,975	5,408	7,092	5,899	6,155	5,000	5,146	4,266	7,764	5,829	7,227	5,612
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,418	4,201	5,405	4,647	6,908	5,399	6,964	5,569	6,596	4,910	6,698	5,492	5,731	4,601	4,748	3,885	7,418	5,460	6,928	5,272
129 I-80 WB: County Rd 32A On-ramp	Merge	5,414	4,198	5,407	4,646	6,906	5,404	6,970	5,574	6,597	4,914	6,699	5,495	5,735	4,601	4,747	3,885	7,419	5,467	6,929	5,273
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,436	4,215	5,431	4,655	6,933	5,412	6,995	5,590	6,623	4,933	6,728	5,513	5,759	4,619	4,768	3,901	7,444	5,480	6,959	5,287
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,406	4,206	5,432	4,662	6,943	5,426	6,993	5,603	6,618	4,952	6,726	5,516	5,744	4,639	4,757	3,910	7,445	5,475	6,965	5,290
132 I-80 WB: Mace Blvd Off-ramp to On-ramp	Basic	4,698	3,470	4,775	3,809	5,985	4,235	5,995	4,400	5,706	3,965	5,793	4,533	5,058	3,789	4,140	3,161	6,404	4,293	5,971	4,142
133 I-80 WB: Mace Blvd On-ramp	Merge	4,685	3,473	4,771	3,805	5,990	4,235	6,002	4,400	5,705	3,971	5,795	4,539	5,061	3,789	4,130	3,160	6,406	4,289	5,971	4,141
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	4,907	3,868	4,996	4,214	6,220	4,623	6,227	4,809	5,939	4,371	6,032	4,926	5,286	4,203	4,363	3,550	6,621	4,696	6,202	4,554
135 I-80 WB: Lane Drop to Olive Dr	Basic	4,906	3,866																		
I-80 WB: Lane Drop to Richards Blvd	Basic			4,996	4,213	6,219	4,624	6,227	4,810	5,939	4,369	6,034	4,926	5,286	4,204	4,363	3,551	6,617	4,696	6,204	4,555
136 I-80 WB: Olive Dr Off-ramp	Diverge	4,891	3,860																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,820	3,763																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	4,820	3,761																		
I-80 WB: Richards Blvd Off-ramp	Diverge			4,999	4,221	6,204	4,635	6,221	4,817	5,938	4,373	6,033	4,934	5,309	4,209	4,374	3,542	6,622	4,706	6,188	4,553
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,664	3,552																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,498	3,774	5,537	4,080	5,547	4,263	5,311	3,859	5,400	4,466	4,825	3,792	3,929	3,139	5,995	4,176	5,526	4,017
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,659	3,553																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,754	3,810																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,753	3,808																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,495	3,771	5,530	4,077	5,541	4,266	5,314	3,862	5,410	4,466	4,826	3,793	3,925	3,140	5,996	4,180	5,521	4,017
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,834	4,059	4,849	4,523	5,874	4,772	5,877	4,976	5,657	4,595	5,757	5,187	5,181	4,553	4,310	3,844	6,340	4,813	5,875	4,724
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	4,823	4,052	4,856	4,522	5,875	4,772	5,883	4,974	5,658	4,600	5,756	5,191	5,189	4,555	4,317	3,846	6,344	4,808	5,882	4,714
145 I-80 WB: SR 113 Off-ramp	Diverge	4,552	3,903	4,524	4,285	5,496	4,506	5,498	4,687	5,296	4,327	5,370	4,920	4,844	4,317	4,032	3,604	5,935	4,514	5,488	4,441
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	4,041	3,106	3,841	3,435	4,638	3,488	4,676	3,656	4,501	3,370	4,568	4,054	4,142	3,335	3,402	2,863	5,053	3,535	4,644	3,449
147 I-80 WB: Old Davis Rd On-ramp	Merge	4,033	3,101	3,841	3,438	4,639	3,490	4,678	3,652	4,497	3,371	4,570	4,050	4,141	3,333	3,395	2,865	5,043	3,539	4,638	3,443
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	4,045	3,203	3,880	3,570	4,674	3,620	4,713	3,779	4,526	3,475	4,607	4,229	4,178	3,461	3,428	2,998	5,074	3,656	4,669	3,563
149 I-80 WB: SR 113 to Kidwell Rd	Weave	4,039	3,204	3,883	3,577	4,670	3,620	4,713	3,779	4,518	3,474	4,609	4,229	4,179	3,457	3,424	2,997	5,072	3,652	4,665	3,561
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,579	3,995	4,670	4,385	5,280	4,286	5,316	4,447	5,125	4,146	5,214	4,916	4,941	4,262	4,316	3,844	5,699	4,312	5,276	4,228
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,565	3,988	4,661	4,389	5,283	4,280	5,314	4,451	5,131	4,142	5,204	4,918	4,936	4,262	4,316	3,837	5,694	4,312	5,278	4,232
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,583	4,005	4,689	4,404	5,302	4,293	5,330	4,471	5,149	4,160	5,231	4,936	4,955	4,280	4,333	3,855	5,719	4,322	5,303	4,247

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	5,789	5,579	6,475	6,826	6,952	6,615	6,881	6,590	6,722	6,302	6,716	5,991	6,915	6,594	5,557	6,521	6,969	6,624	6,916	6,579
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	5,596	5,150	6,086	6,256	6,672	6,096	6,736	6,074	6,410	5,783	6,476	5,520	6,791	6,057	5,199	5,990	6,863	6,092	6,770	6,045
163 I-80 WB: Truxel Rd NB On-ramp	Basic	5,583	5,151	6,026	6,257	6,624	6,095	6,710	6,073	6,364	5,784	6,434	5,521	6,782	6,058	5,142	5,987	6,860	6,096	6,749	6,043
164 I-80 WB: Truxel Rd to I-5	Weave	5,942	5,373	6,288	6,482	6,900	6,319	7,004	6,298	6,630	6,002	6,737	5,734	7,112	6,284	5,416	6,208	7,224	6,316	7,046	6,263
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	3,639	2,957	3,888	3,805	4,313	3,746	4,279	3,751	4,030	3,601	4,133	3,588	4,401	3,629	3,371	3,482	4,662	3,718	4,389	3,684
166 I-80 WB: I-5 NB On-ramp	Merge	3,632	2,957	3,821	3,806	4,232	3,744	4,201	3,749	3,952	3,602	4,053	3,589	4,333	3,625	3,326	3,481	4,659	3,715	4,308	3,685
167 I-80 WB: I-5 to W El Camino Ave	Weave	3,704	3,095	3,884	3,944	4,219	3,874	4,191	3,886	3,946	3,738	4,054	3,719	4,330	3,762	3,468	3,629	4,745	3,853	4,292	3,820
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	4,137	3,447	4,681	4,686	4,917	4,674	4,971	4,694	4,675	4,426	4,808	4,737	5,074	4,479	4,280	4,160	5,847	4,647	4,976	4,631
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	4,132	3,446	4,681	4,687	4,907	4,675	4,957	4,695	4,668	4,425	4,796	4,736	5,064	4,481	4,283	4,124	5,850	4,649	4,964	4,632
170 I-80 WB: W El Camino EB On-ramp	Merge	4,410	3,725	5,043	5,190	5,294	5,122	5,364	5,141	5,059	4,870	5,191	5,205	5,412	4,943	4,666	4,544	6,263	5,092	5,343	5,075
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	4,668	3,959	5,367	5,534											4,881	4,725				
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,647	5,482	5,716	5,485	5,406	5,209	5,539	5,605	5,755	5,270			6,663	5,453	5,682	5,436
172 I-80 WB: Lane Drop to Reed Ave	Basic	4,663	3,958	5,362	5,531											5,003	4,868				
173 I-80 WB: Reed Ave Off-ramp	Diverge	4,628	3,947	5,339	5,530	5,499	5,474	5,512	5,485	5,304	5,209	5,394	5,603	5,716	5,253	5,013	4,865	6,669	5,449	5,511	5,435
174 I-80 WB: Reed Ave Off to On-ramp	Basic	3,329	3,057	3,928	4,307	4,128	4,334	4,125	4,346	3,972	4,086	4,009	4,505	4,195	4,062	3,655	3,752	5,070	4,289	4,095	4,290
175 I-80 WB: Reed Ave On-ramp	Merge	3,320	3,058	3,871	4,302	4,084	4,322	4,082	4,334	3,950	4,051	3,969	4,464	4,116	4,059	3,658	3,752	5,070	4,292	4,036	4,283
176 I-80 WB: Reed Ave to US 50	Basic	3,495	3,919	4,041	5,050	4,281	5,193	4,289	5,204	4,133	4,944	4,151	5,299	4,264	4,877	3,842	4,492	5,263	5,137	4,225	5,156
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	3,491	3,920	4,036	5,046	4,281	5,194	4,289	5,205	4,133	4,944	4,154	5,299	4,248	4,878	3,842	4,495	5,256	5,137	4,230	5,155
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	2,739	2,306	3,187	3,004	3,390	3,201	3,427	3,232	3,330	2,930	3,366	3,377	3,379	2,886	2,990	2,625			3,235	2,915
I-80 WB: US 50 Off to On-ramp	Basic																	4,167	3,152		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	2,733	2,305	3,182	3,005	3,390	3,205	3,425	3,233	3,331	2,928	3,364	3,382	3,374	2,886	2,991	2,626			3,232	2,916

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	5,394	4,566	5,037	5,583	6,680	5,649	6,457	5,170	6,196	4,832	6,151	4,533	5,409	5,666	2,290	2,648	6,572	6,291	6,752	5,371
102 US 50 WB: SR 51 to 16th St	Weave	7,339	6,174	6,109	6,969	8,747	7,080	8,538	6,419	8,230	6,007	8,217	5,572	6,791	7,154	2,761	3,184	8,576	8,167	8,799	6,595
103 US 50 WB: 10th St Off-ramp	Diverge	7,628	6,810	6,896	8,608	9,582	8,687	9,455	7,861	9,245	7,361	9,243	6,908	7,679	8,312	3,394	4,232	9,442	9,150	9,562	8,011
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	6,455	6,113	6,049	7,621	8,391	7,758	8,267	7,099	8,073	6,663	8,261	6,269	6,756	7,389	3,045	3,721	8,245	8,127	8,399	7,123
105 US 50 WB: 15th St to I-5	Weave	6,460	6,101	6,012	7,689	8,396	7,782	8,280	7,127	8,073	6,647	8,263	6,261	6,788	7,490	3,007	3,719	8,251	7,975	8,404	7,108
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,147	3,835	4,409	5,185	6,121	5,456	6,074	5,085	5,884	4,719	6,020	4,305	4,886	5,136	2,073	2,940	6,053	5,715	6,091	5,031
107 US 50 WB: 5th St On-ramp	Merge	4,150	3,834	4,462	5,167	6,120	5,423	6,073	5,076	5,884	4,719	6,019	4,305	4,888	5,120	2,311	2,949	6,053	5,622	6,086	5,005
108 US 50 WB: I-5 On-ramp	Merge	4,400	4,272	4,771	5,577	6,439	5,864	6,457	5,551	6,265	5,220	6,405	4,825	5,142	5,528	2,538	3,388	6,345	6,038	6,400	5,442
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	5,860	5,333	6,121	6,982	8,224	7,294	8,230	7,083	8,009	6,795	8,160	6,340	6,669	6,870	3,222	4,728	8,123	7,309	8,120	6,880
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,486	3,361	4,245	4,106	5,778	4,473	5,769	4,318	5,605	4,023	5,686	3,682	4,607	3,967	2,425	2,895	5,749	4,485	5,690	4,150
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	4,504	3,348	4,229	4,099																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					5,782	4,463	5,788	4,318	5,642	4,032	5,690	3,680	4,598	3,968	2,398	2,886	5,760	4,482	5,698	4,028
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	4,912	4,249	4,995	5,474																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,917	4,247	4,987	5,473																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	4,921	4,245	4,984	5,472																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	3,327	2,961	3,441	3,747	4,502	4,303	4,482	4,277	4,390	3,960	4,366	3,638	3,652	3,682	2,329	3,178	4,460	4,264	4,506	3,777
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	3,328	2,961	3,429	3,744	4,503	4,273	4,483	4,255	4,410	3,961	4,373	3,638	3,652	3,682	2,334	3,178	4,460	4,236	4,511	3,765
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	3,856	3,470	4,098	4,363	5,236	4,885	5,197	4,864	5,067	4,614	5,060	4,299	4,315	4,312	2,997	3,861	5,195	4,841	5,299	4,387
118 US 50 WB: I-80 EB Off-ramp	Basic	4,061	3,727	4,311	4,841	5,472	5,307	5,444	5,298	5,316	5,111	5,312	4,813	4,521	4,789	3,216	4,375	5,432	5,253	5,636	4,897
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	2,687	2,097	2,997	2,821	3,995	3,294	3,980	3,273	3,885	3,129	3,881	2,992	3,142	2,807	2,271	2,480	3,960	3,246	3,944	2,853
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	2,635	2,097	2,971	2,812	3,999	3,292	3,986	3,268	3,881	3,128	3,887	2,992	3,138	2,805	2,059	2,463	3,966	3,242	3,948	2,851
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,629	2,097	2,973	2,809	4,000	3,292	3,997	3,258	3,881	3,125	3,895	2,990	3,132	2,805	2,274	2,479	3,975	3,234	3,946	2,852
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	4,498	3,996	5,082	4,767											4,066	4,084				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					6,321	5,558	6,326	5,426	6,047	5,260	6,194	5,236	5,348	4,802			6,679	5,609	6,144	5,190
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	4,491	3,996	5,079	4,755											4,065	4,071				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	4,484	3,996	5,071	4,741	6,309	5,557	6,314	5,429	6,038	5,261	6,187	5,241	5,341	4,797	4,061	4,061	6,689	5,611	6,133	5,192
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	4,827	4,146	5,449	4,937	6,632	5,806	6,633	5,701	6,357	5,490	6,504	5,457	5,655	4,960	4,397	4,219	7,020	5,830	6,450	5,453
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,558	4,506	5,852	5,174	7,016	6,045	7,034	5,940	6,758	5,738	6,902	5,691	6,046	5,195	4,766	4,419	7,422	6,067	6,900	5,793
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,570	4,493	5,863	5,159	7,024	6,038	7,050	5,937	6,776	5,716	6,912	5,721	6,061	5,173	4,777	4,397	7,458	6,080	6,936	5,809
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,323	4,218	5,262	4,356	6,547	5,517	6,598	5,509	6,281	5,109	6,315	5,165	5,613	4,506	4,236	3,771	6,991	5,616	6,531	5,363
129 I-80 WB: County Rd 32A On-ramp	Merge	5,327	4,220	5,264	4,360	6,553	5,517	6,603	5,508	6,284	5,106	6,316	5,166	5,612	4,509	4,237	3,774	6,998	5,608	6,534	5,365
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,342	4,254	5,273	4,400	6,561	5,556	6,613	5,537	6,298	5,137	6,327	5,203	5,620	4,539	4,255	3,807	7,015	5,643	6,540	5,401
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,372	4,271	5,282	4,406	6,582	5,554	6,639	5,531	6,324	5,125	6,357	5,233	5,652	4,534	4,285	3,802	7,046	5,657	6,564	5,412
132 I-80 WB: Mace Blvd Off-ramp to On-ramp	Basic	4,598	3,379	4,593	3,420	5,584	4,041	5,644	4,075	5,435	3,889	5,495	3,904	4,933	3,516	3,677	2,898	5,971	4,169	5,591	4,000
133 I-80 WB: Mace Blvd On-ramp	Merge	4,607	3,375	4,600	3,422	5,586	4,046	5,640	4,081	5,440	3,887	5,497	3,913	4,937	3,519	3,688	2,903	5,983	4,173	5,603	4,005
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	5,057	3,752	5,066	3,811	6,027	4,420	6,076	4,461	5,865	4,266	5,920	4,296	5,396	3,913	4,135	3,274	6,448	4,559	6,051	4,389
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,058	3,755																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,066	3,811	6,029	4,420	6,076	4,460	5,865	4,265	5,919	4,298	5,397	3,913	4,135	3,273	6,450	4,560	6,050	4,390
136 I-80 WB: Olive Dr Off-ramp	Diverge	5,058	3,764																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,828	3,670																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	4,827	3,673																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,061	3,820	6,053	4,429	6,091	4,459	5,869	4,276	5,936	4,316	5,389	3,928	4,132	3,290	6,448	4,566	6,074	4,416
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,580	3,473																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,365	3,378	5,251	3,835	5,288	3,879	5,122	3,749	5,191	3,822	4,686	3,504	3,605	2,912	5,603	4,021	5,281	3,864
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,585	3,472																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,814	3,792																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,814	3,793																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,374	3,380	5,251	3,837	5,293	3,885	5,126	3,747	5,191	3,826	4,691	3,505	3,610	2,912	5,604	4,025	5,287	3,868
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,962	4,050	5,025	4,198	5,838	4,570	5,857	4,645	5,705	4,499	5,763	4,621	5,336	4,315	4,267	3,676	6,178	4,731	5,880	4,625
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	4,966	4,056	5,024	4,199	5,843	4,572	5,854	4,647	5,712	4,498	5,765	4,630	5,334	4,316	4,269	3,677	6,172	4,737	5,877	4,636
145 I-80 WB: SR 113 Off-ramp	Diverge	4,635	3,863	4,593	3,916	5,355	4,240	5,375	4,318	5,252	4,162	5,291	4,296	4,901	4,019	3,917	3,393	5,655	4,389	5,400	4,296
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	3,883	2,998	3,674	2,992	4,179	3,185	4,245	3,259	4,174	3,151	4,216	3,356	3,897	3,078	3,136	2,610	4,438	3,325	4,222	3,240
147 I-80 WB: Old Davis Rd On-ramp	Merge	3,890	3,004	3,677	2,995	4,183	3,190	4,255	3,261	4,182	3,152	4,222	3,364	3,901	3,080	3,148	2,610	4,454	3,320	4,228	3,249
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	3,923	3,201	3,743	3,211	4,248	3,418	4,323	3,486	4,247	3,380	4,288	3,594	3,972	3,316	3,211	2,809	4,529	3,560	4,296	3,480
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,924	3,201	3,744	3,212	4,258	3,420	4,322	3,490	4,258	3,383	4,298	3,600	3,974	3,321	3,215	2,812	4,539	3,563	4,302	3,485
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,918	4,063	5,012	4,096	5,185	4,130	5,236	4,212	5,175	4,110	5,227	4,321	5,062	4,191	4,584	3,689	5,444	4,272	5,227	4,199
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,922	4,064	5,018	4,098	5,185	4,137	5,237	4,213	5,172	4,111	5,235	4,322	5,065	4,191	4,578	3,702	5,453	4,276	5,227	4,202
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,954	4,081	5,052	4,114	5,235	4,152	5,290	4,224	5,217	4,124	5,273	4,346	5,109	4,207	4,615	3,710	5,501	4,297	5,261	4,215



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	6,324	5,326	4,853	6,510	4,572	6,180	4,583	6,170	4,055	5,944	4,410	5,716	5,546	6,197	3,894	6,060	7,132	6,196	4,583	6,252
163 I-80 WB: Truxel Rd NB On-ramp	Basic	6,311	5,327	4,879	6,511	4,584	6,182	4,581	6,173	4,075	5,945	4,421	5,719	5,535	6,198	3,906	6,014	7,137	6,194	4,573	6,254
164 I-80 WB: Truxel Rd to I-5	Weave	6,626	5,530	5,268	6,713	4,959	6,385	4,947	6,378	4,463	6,152	4,764	5,927	5,836	6,398	4,263	6,102	7,487	6,392	4,914	6,457
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	4,229	3,162	3,585	4,005	3,610	3,837	3,611	3,837	3,390	3,768	3,485	3,732	3,859	3,749	3,003	3,454	4,949	3,811	3,610	3,853
166 I-80 WB: I-5 NB On-ramp	Merge	4,229	3,161	3,603	4,004	3,632	3,839	3,636	3,840	3,402	3,767	3,513	3,733	3,871	3,753	2,939	3,357	4,952	3,814	3,637	3,855
167 I-80 WB: I-5 to W El Camino Ave	Weave	4,304	3,366	3,692	4,208	3,729	4,052	3,732	4,043	3,499	3,975	3,596	3,949	3,954	3,961	3,092	3,457	5,011	4,028	3,735	4,068
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	4,600	3,866	4,393	5,045	4,416	5,010	4,481	5,065	4,284	4,985	4,402	4,902	4,554	4,951	3,827	4,065	5,868	5,201	4,441	5,062
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	4,603	3,864	4,399	5,007	4,421	5,009	4,488	5,064	4,289	4,986	4,412	4,902	4,566	4,945	3,828	4,070	5,868	5,198	4,450	5,063
170 I-80 WB: W El Camino EB On-ramp	Merge	5,013	4,246	4,847	5,454	4,866	5,554	4,940	5,581	4,718	5,530	4,850	5,455	5,005	5,465	4,257	4,514	6,274	5,716	4,893	5,601
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	5,538	4,452	5,414	5,713											4,628	4,697				
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,464	5,899	5,564	5,906	5,366	5,864	5,469	5,841	5,570	5,773			6,793	6,050	5,480	5,937
172 I-80 WB: Lane Drop to Reed Ave	Basic	5,539	4,453	5,420	5,696											4,812	4,833				
173 I-80 WB: Reed Ave Off-ramp	Diverge	5,527	4,452	5,451	5,614	5,547	5,903	5,697	5,793	5,426	5,842	5,539	5,843	5,613	5,672	4,824	4,829	6,710	6,032	5,603	5,917
174 I-80 WB: Reed Ave Off to On-ramp	Basic	4,034	3,231	4,003	4,219	4,230	4,450	4,317	4,379	4,046	4,421	4,118	4,416	4,108	4,216	3,521	3,621	4,997	4,568	4,254	4,426
175 I-80 WB: Reed Ave On-ramp	Merge	4,032	3,233	4,069	4,200	4,282	4,435	4,375	4,364	4,086	4,361	4,171	4,355	4,188	4,218	3,523	3,610	5,000	4,565	4,317	4,405
176 I-80 WB: Reed Ave to US 50	Basic	4,312	4,141	4,404	4,860	4,621	5,305	4,718	5,229	4,418	5,215	4,497	5,195	4,544	5,000	3,822	4,307	5,290	5,385	4,646	5,265
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	4,310	4,141	4,419	4,854	4,630	5,306	4,726	5,230	4,420	5,216	4,504	5,198	4,565	4,999	3,821	4,304	5,301	5,386	4,651	5,268
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	2,739	2,293	3,048	2,787	3,171	3,084	3,300	2,975	3,116	2,955	3,246	2,978	3,161	2,819	2,473	2,382			3,046	2,779
I-80 WB: US 50 Off to On-ramp	Basic																	3,494	3,199		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	2,742	2,294	3,055	2,784	3,171	3,084	3,300	2,976	3,115	2,958	3,250	2,980	3,160	2,819	2,475	2,376			3,049	2,780

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	5,588	5,558	5,512	6,092	6,587	5,875	6,460	5,680	6,164	4,694	6,190	4,219	5,696	6,373	3,470	3,043	6,009	5,308	6,575	5,537
102 US 50 WB: SR 51 to 16th St	Weave	7,681	7,759	6,803	8,048	8,546	7,520	8,472	7,513	7,996	5,749	8,060	5,035	7,175	8,407	4,107	3,659	7,776	6,668	8,474	6,826
103 US 50 WB: 10th St Off-ramp	Diverge	7,797	7,934	7,729	8,802	9,193	8,349	9,156	8,505	8,960	6,742	8,898	6,080	7,887	8,886	5,054	4,663	8,473	7,344	9,113	7,852
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	6,618	7,124	6,820	7,923	8,049	7,477	7,958	7,768	7,798	6,167	7,682	5,546	6,835	7,869	4,457	4,146	7,081	6,576	7,951	7,029
105 US 50 WB: 15th St to I-5	Weave	6,619	7,208	6,963	7,831	8,050	7,435	7,958	7,776	7,801	6,159	7,686	5,540	6,951	7,825	4,529	4,151	7,086	6,668	7,955	7,085
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,202	4,556	4,853	5,336	5,619	5,274	5,600	5,497	5,365	4,530	5,313	3,736	4,914	5,341	3,160	3,318	5,019	5,053	5,563	5,053
107 US 50 WB: 5th St On-ramp	Merge	4,202	4,541	4,835	5,300	5,624	5,242	5,603	5,434	5,367	4,521	5,317	3,730	4,926	5,294	3,462	3,330	5,024	5,064	5,568	5,034
108 US 50 WB: I-5 On-ramp	Merge	4,440	4,997	5,067	5,781	5,993	5,751	6,026	5,904	5,783	5,139	5,745	4,360	5,266	5,753	3,758	3,828	5,403	5,674	5,942	5,529
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	5,778	6,078	6,531	7,205	7,814	7,096	7,797	7,306	7,555	6,923	7,507	6,179	6,936	7,166	4,902	5,262	7,246	6,965	7,703	6,890
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtway	Basic	4,215	3,754	4,082	4,153	4,954	4,219	4,919	4,361	4,841	4,011	4,780	3,464	4,269	4,082	3,217	2,959	4,612	4,159	4,834	4,084
111 US 50 WB: Tower Bridge Gtway On-ramp	Merge	4,214	3,755	4,199	4,154																
US 50 WB: Tower Bridge Gtway to Harbor Blvd	Weave					4,969	4,227	4,929	4,359	4,881	4,013	4,800	3,468	4,384	4,078	3,256	2,952	4,630	4,172	4,840	4,197
112 US 50 WB: Tower Bridge Gtway to Lane Add	Basic	4,586	4,757	4,998	5,588																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	4,583	4,755	5,009	5,590																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	4,582	4,755	5,014	5,590																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	3,197	3,291	3,575	3,819	4,171	4,263	4,130	4,349	4,131	3,886	3,981	3,571	3,640	3,764	2,879	3,173	3,891	4,239	4,139	4,142
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	3,198	3,289	3,589	3,821	4,171	4,294	4,131	4,372	4,150	3,886	3,982	3,571	3,644	3,764	2,884	3,166	3,894	4,267	4,142	4,163
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	3,622	3,702	4,276	4,397	4,854	4,947	4,840	5,018	4,833	4,497	4,642	4,305	4,335	4,306	3,525	3,768	4,575	4,932	4,959	4,827
118 US 50 WB: I-80 EB Off-ramp	Basic	3,836	3,946	4,518	4,825	5,107	5,396	5,089	5,473	5,116	4,890	4,888	4,671	4,573	4,656	3,772	4,031	4,809	5,388	5,229	5,344
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	2,701	2,564	3,151	3,131	3,710	3,591	3,674	3,701	3,755	3,347	3,565	3,220	3,185	3,063	2,637	2,572	3,490	3,553	3,656	3,332
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	2,814	2,563	3,163	3,125	3,716	3,591	3,676	3,698	3,766	3,347	3,571	3,221	3,192	3,061	2,444	2,451	3,496	3,556	3,659	3,319
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,869	2,560	3,162	3,136	3,732	3,581	3,685	3,697	3,783	3,343	3,585	3,219	3,198	3,049	2,648	2,455	3,511	3,563	3,674	3,281
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	4,760	4,070	5,226	4,445											4,232	3,738				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					6,366	5,437	6,427	5,567	6,109	5,156	6,212	5,362	5,503	4,673			6,412	5,577	6,258	5,260
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	4,769	4,052	5,229	4,434											4,234	3,737				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	4,772	4,040	5,231	4,431	6,377	5,407	6,437	5,544	6,110	5,153	6,216	5,344	5,511	4,644	4,235	3,737	6,438	5,577	6,263	5,223
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	5,033	4,241	5,643	4,719	6,708	5,709	6,767	5,846	6,442	5,439	6,547	5,647	5,844	4,887	4,563	3,964	6,793	5,906	6,595	5,561
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,650	4,819	5,915	5,170	6,997	6,164	7,076	6,296	6,767	5,916	6,866	6,103	6,121	5,349	4,839	4,373	7,080	6,379	6,961	6,116
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,643	4,795	5,905	5,172	6,992	6,153	7,068	6,268	6,760	5,910	6,860	6,056	6,103	5,343	4,828	4,382	7,106	6,355	6,951	6,094
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,474	4,365	5,331	4,278	6,637	5,473	6,749	5,611	6,286	5,025	6,407	5,209	5,634	4,604	4,416	3,692	6,780	5,719	6,632	5,479
129 I-80 WB: County Rd 32A On-ramp	Merge	5,471	4,360	5,326	4,278	6,631	5,476	6,738	5,606	6,287	5,028	6,407	5,204	5,634	4,603	4,415	3,692	6,779	5,722	6,630	5,481
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,480	4,378	5,340	4,294	6,645	5,490	6,747	5,621	6,299	5,046	6,420	5,221	5,649	4,626	4,425	3,711	6,788	5,743	6,643	5,492
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,452	4,364	5,330	4,293	6,646	5,481	6,719	5,615	6,276	5,037	6,401	5,203	5,640	4,620	4,407	3,720	6,795	5,740	6,620	5,480
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	4,607	3,272	4,579	3,186	5,595	3,834	5,631	3,935	5,303	3,646	5,419	3,807	4,882	3,431	3,718	2,705	5,651	4,030	5,552	3,874
133 I-80 WB: Mace Blvd On-ramp	Merge	4,605	3,275	4,572	3,187	5,586	3,831	5,629	3,934	5,303	3,648	5,417	3,797	4,876	3,430	3,717	2,708	5,648	4,027	5,544	3,870
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	5,200	3,708	5,261	3,625	6,113	4,258	6,156	4,369	5,840	4,079	5,952	4,219	5,496	3,878	4,257	3,144	6,272	4,463	6,071	4,302
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,202	3,707																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,261	3,624	6,110	4,257	6,156	4,371	5,843	4,080	5,953	4,219	5,497	3,877	4,254	3,143	6,272	4,464	6,069	4,302
136 I-80 WB: Olive Dr Off-ramp	Diverge	5,206	3,708																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	4,904	3,566																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	4,901	3,567																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,273	3,622	6,098	4,256	6,144	4,371	5,833	4,081	5,937	4,211	5,488	3,870	4,251	3,143	6,279	4,461	6,053	4,295
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,547	3,341																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,186	3,180	4,834	3,669	4,865	3,801	4,668	3,526	4,746	3,737	4,397	3,385	3,445	2,720	4,977	3,850	4,779	3,703
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,544	3,343																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,827	3,711																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,828	3,711																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,182	3,182	4,848	3,674	4,859	3,804	4,666	3,531	4,749	3,735	4,402	3,386	3,445	2,722	4,984	3,849	4,780	3,705
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	4,982	4,013	4,883	4,104	5,510	4,513	5,509	4,663	5,311	4,415	5,397	4,617	5,122	4,310	4,109	3,622	5,632	4,630	5,457	4,560
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	4,981	4,013	4,886	4,105	5,510	4,508	5,510	4,660	5,310	4,412	5,401	4,609	5,122	4,311	4,103	3,623	5,638	4,628	5,460	4,556
145 I-80 WB: SR 113 Off-ramp	Diverge	4,558	3,832	4,392	3,827	4,948	4,182	4,948	4,327	4,773	4,096	4,847	4,297	4,612	4,032	3,688	3,342	5,054	4,301	4,868	4,231
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	3,503	2,753	3,114	2,723	3,530	2,881	3,566	2,960	3,448	2,878	3,509	3,157	3,325	2,851	2,621	2,374	3,640	2,985	3,511	2,922
147 I-80 WB: Old Davis Rd On-ramp	Merge	3,502	2,751	3,117	2,725	3,531	2,878	3,565	2,959	3,448	2,876	3,516	3,155	3,327	2,856	2,619	2,375	3,643	2,991	3,516	2,927
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	3,545	2,951	3,224	2,965	3,630	3,123	3,661	3,198	3,548	3,074	3,615	3,477	3,436	3,085	2,715	2,625	3,745	3,223	3,607	3,159
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,550	2,949	3,229	2,964	3,634	3,127	3,671	3,194	3,552	3,073	3,613	3,480	3,445	3,085	2,717	2,625	3,747	3,222	3,614	3,158
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,322	3,851	4,308	3,873	4,543	3,882	4,588	3,919	4,473	3,841	4,543	4,221	4,625	3,986	3,913	3,581	4,697	3,955	4,546	3,902
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,330	3,857	4,318	3,872	4,553	3,879	4,595	3,922	4,486	3,846	4,546	4,216	4,629	3,988	3,924	3,579	4,703	3,957	4,554	3,907
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,346	3,861	4,334	3,876	4,560	3,877	4,601	3,932	4,498	3,854	4,562	4,218	4,637	3,994	3,941	3,587	4,717	3,963	4,573	3,917

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	7,074	5,962	6,241	7,150	6,927	7,092	7,461	7,034	6,471	6,698	7,001	6,418	6,727	7,057	4,562	5,622	7,937	7,063	7,135	7,094
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	6,364	5,119	5,755	6,053	6,406	6,189	6,890	6,171	5,979	5,835	6,495	5,601	6,151	6,164	4,328	4,875	7,205	6,149	6,635	6,190
163 I-80 WB: Truxel Rd NB On-ramp	Basic	6,383	5,119	5,749	6,011	6,413	6,189	6,913	6,169	5,969	5,836	6,520	5,598	6,139	6,166	4,319	4,866	7,193	6,149	6,646	6,186
164 I-80 WB: Truxel Rd to I-5	Weave	6,640	5,324	5,954	6,120	6,640	6,396	7,174	6,375	6,184	6,042	6,802	5,805	6,353	6,373	4,524	5,074	7,395	6,359	6,874	6,394
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	4,331	2,959	4,085	3,566	4,638	3,913	4,862	3,892	4,278	3,720	4,665	3,728	4,308	3,769	3,152	3,010	5,056	3,863	4,795	3,894
166 I-80 WB: I-5 NB On-ramp	Merge	4,335	2,959	4,077	3,479	4,633	3,912	4,854	3,889	4,280	3,720	4,671	3,725	4,307	3,766	3,084	3,014	5,006	3,863	4,789	3,891
167 I-80 WB: I-5 to W El Camino Ave	Weave	4,422	3,138	4,158	3,540	4,718	4,085	4,936	4,056	4,359	3,897	4,751	3,896	4,393	3,942	3,224	3,188	5,034	4,040	4,874	4,067
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	4,497	3,598	4,698	4,108	5,333	5,050	5,595	4,893	5,014	4,747	5,446	4,983	4,932	4,839	3,797	3,826	5,674	4,992	5,488	5,037
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	4,499	3,599	4,695	4,096	5,335	5,050	5,596	4,875	5,012	4,748	5,447	4,984	4,926	4,833	3,799	3,827	5,674	4,994	5,487	5,036
170 I-80 WB: W El Camino EB On-ramp	Merge	4,846	3,958	5,134	4,524	5,800	5,589	6,035	5,355	5,443	5,308	5,879	5,523	5,360	5,326	4,235	4,277	6,127	5,537	5,943	5,580
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	5,362	4,169	5,734	4,821											4,709	4,432				
I-80 WB: W El Camino Ave to Reed Ave	Basic					6,513	5,933	6,702	5,668	6,079	5,641	6,538	5,906	5,980	5,589			6,817	5,889	6,637	5,934
172 I-80 WB: Lane Drop to Reed Ave	Basic	5,367	4,170	5,732	4,805											4,865	4,579				
173 I-80 WB: Reed Ave Off-ramp	Diverge	5,401	4,172	5,701	4,727	6,552	5,909	6,776	5,596	6,068	5,661	6,564	5,869	5,990	5,527	4,857	4,592	6,902	5,868	6,641	5,917
174 I-80 WB: Reed Ave Off to On-ramp	Basic	3,963	2,994	4,246	3,451	5,030	4,364	5,219	4,138	4,608	4,158	4,998	4,421	4,460	3,968	3,562	3,296	5,326	4,312	5,116	4,374
175 I-80 WB: Reed Ave On-ramp	Merge	3,963	2,994	4,192	3,389	5,060	4,300	5,232	4,121	4,602	4,100	5,008	4,350	4,450	3,967	3,560	3,271	5,324	4,311	5,124	4,354
176 I-80 WB: Reed Ave to US 50	Basic	4,246	3,677	4,495	4,001	5,399	5,107	5,570	4,989	4,929	4,980	5,329	5,172	4,779	4,801	3,883	3,922	5,684	5,164	5,471	5,220
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	4,246	3,677	4,483	3,993	5,403	5,088	5,577	4,984	4,934	4,981	5,340	5,168	4,776	4,801	3,884	3,904	5,681	5,167	5,480	5,218
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	2,659	1,961	2,819	2,091	3,444	2,710	3,644	2,680	3,216	2,580	3,559	2,864	3,113	2,471	2,319	1,998			3,289	2,538
I-80 WB: US 50 Off to On-ramp	Basic																	3,692	2,790		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	2,655	1,959	2,811	2,067	3,450	2,689	3,651	2,675	3,217	2,579	3,561	2,860	3,118	2,452	2,317	1,972			3,295	2,526

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	4,992	5,399	6,117	5,947	6,664	5,590	6,739	5,292	6,358	4,845	6,081	4,525	6,339	6,230	4,265	3,560	6,737	5,543	6,563	5,811
102 US 50 WB: SR 51 to 16th St	Weave	7,767	7,673	7,689	7,633	9,062	6,874	9,147	6,623	8,478	6,124	8,615	5,428	8,102	8,068	5,014	4,266	8,847	6,759	9,049	7,094
103 US 50 WB: 10th St Off-ramp	Diverge	8,042	7,997	8,251	8,618	9,605	7,997	9,721	7,882	9,300	7,381	9,365	6,573	8,502	8,889	5,862	5,248	9,422	7,557	9,616	8,197
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	7,226	7,135	7,487	7,817	8,737	7,196	8,799	7,219	8,405	6,756	8,435	5,991	7,606	7,892	5,256	4,715	8,188	6,751	8,729	7,337
105 US 50 WB: 15th St to I-5	Weave	7,224	7,157	7,412	7,913	8,733	7,209	8,799	7,230	8,398	6,849	8,423	6,102	7,477	7,987	5,214	4,747	8,183	6,690	8,722	7,350
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	4,567	4,232	4,832	5,429	5,867	5,072	5,946	5,144	5,596	4,896	5,624	4,176	4,833	5,500	3,276	3,731	5,425	4,731	5,846	5,123
107 US 50 WB: 5th St On-ramp	Merge	4,566	4,249	4,794	5,458	5,862	5,056	5,945	5,162	5,583	4,897	5,622	4,183	4,808	5,557	3,547	3,755	5,417	4,745	5,845	5,137
108 US 50 WB: I-5 On-ramp	Merge	4,733	4,529	4,919	5,747	6,114	5,450	6,222	5,604	5,827	5,268	5,903	4,561	4,978	5,866	3,718	4,031	5,663	5,259	6,097	5,536
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	6,311	5,134	6,213	6,950	7,964	6,706	8,014	6,798	7,490	6,181	7,656	5,441	6,253	7,015	4,691	5,229	7,516	6,481	7,848	6,786
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	4,980	3,219	4,223	3,729	5,567	3,826	5,578	3,909	5,281	3,495	5,414	3,018	4,181	3,787	3,149	2,869	5,300	3,702	5,435	3,819
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	4,970	3,228	4,095	3,738																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					5,517	3,827	5,526	3,918	5,125	3,492	5,325	3,010	4,014	3,787	3,090	2,868	5,282	3,706	5,311	3,828
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	5,370	3,630	4,910	4,388																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	5,368	3,632	4,899	4,391																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	5,366	3,634	4,892	4,393																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	4,046	2,528	3,692	3,104	4,656	3,320	4,680	3,418	4,314	2,952	4,448	2,586	3,518	3,062	2,811	2,436	4,533	3,253	4,480	3,539
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	4,043	2,531	3,693	3,105	4,611	3,321	4,639	3,420	4,266	2,952	4,399	2,586	3,509	3,063	2,809	2,443	4,494	3,256	4,433	3,564
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	4,295	2,918	4,185	3,632	5,034	3,909	5,058	3,996	4,755	3,483	4,814	3,191	3,928	3,557	3,238	3,041	4,903	3,841	5,064	4,240
118 US 50 WB: I-80 EB Off-ramp	Basic	4,458	3,172	4,364	4,029	5,172	4,298	5,198	4,393	4,889	3,864	4,948	3,565	4,107	3,909	3,420	3,486	5,029	4,218	5,228	4,707
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	3,598	1,950	3,410	2,537	4,214	2,798	4,229	2,908	3,960	2,567	4,061	2,367	3,223	2,479	2,642	2,321	4,109	2,755	4,118	2,862
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	3,586	1,954	3,391	2,539	4,195	2,800	4,208	2,914	3,949	2,567	4,043	2,367	3,216	2,486	2,380	2,403	4,097	2,755	4,105	2,876
121 I-80 WB: US 50 to W Capitol Ave	Weave	3,577	1,958	3,392	2,552	4,173	2,814	4,180	2,922	3,931	2,577	4,007	2,374	3,205	2,506	2,613	2,440	4,078	2,760	4,075	2,914
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	4,941	3,086	5,316	4,476											4,433	3,912				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					6,478	4,631	6,471	4,765	6,218	4,029	6,311	4,191	5,473	4,104			6,761	4,407	6,462	4,681
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	4,944	3,105	5,316	4,500											4,431	3,921				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	4,956	3,120	5,315	4,517	6,472	4,672	6,466	4,788	6,221	4,040	6,306	4,211	5,472	4,143	4,434	3,926	6,737	4,414	6,461	4,721
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	5,193	3,227	5,632	4,673	6,804	4,879	6,800	5,007	6,549	4,189	6,636	4,413	5,795	4,287	4,696	4,030	7,060	4,558	6,764	4,960
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	5,678	3,544	5,930	4,951	7,133	5,143	7,136	5,275	6,898	4,414	6,971	4,659	6,115	4,554	4,981	4,262	7,403	4,788	7,104	5,324
127 I-80 WB: County Rd 32A Off-ramp	Diverge	5,684	3,630	5,941	4,968	7,125	5,232	7,127	5,367	6,895	4,484	6,969	4,746	6,128	4,626	4,979	4,273	7,364	4,891	7,087	5,414
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	5,505	3,318	5,403	4,167	6,823	4,666	6,861	4,765	6,532	3,817	6,577	4,126	5,695	3,991	4,598	3,653	7,034	4,394	6,806	4,870
129 I-80 WB: County Rd 32A On-ramp	Merge	5,508	3,330	5,407	4,170	6,825	4,670	6,865	4,771	6,529	3,824	6,569	4,135	5,698	3,997	4,598	3,655	7,036	4,401	6,805	4,875
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	5,527	3,352	5,425	4,186	6,841	4,695	6,878	4,796	6,544	3,844	6,583	4,154	5,716	4,015	4,609	3,667	7,058	4,422	6,824	4,903
131 I-80 WB: Mace Blvd Off-ramp	Diverge	5,538	3,404	5,420	4,195	6,825	4,750	6,898	4,842	6,541	3,893	6,591	4,200	5,715	4,057	4,603	3,664	7,028	4,479	6,832	4,946
132 I-80 WB: Mace Blvd Off-ramp to On-ramp	Basic	4,792	2,387	4,740	2,950	5,859	3,113	5,913	3,186	5,596	2,628	5,682	2,908	5,009	2,841	3,959	2,552	6,017	2,922	5,860	3,248
133 I-80 WB: Mace Blvd On-ramp	Merge	4,794	2,399	4,743	2,954	5,863	3,124	5,911	3,194	5,591	2,639	5,676	2,921	5,015	2,855	3,955	2,551	6,017	2,935	5,858	3,262
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	5,204	2,746	5,149	3,304	6,377	3,471	6,424	3,547	6,107	2,983	6,190	3,259	5,508	3,211	4,476	2,880	6,510	3,290	6,377	3,618
135 I-80 WB: Lane Drop to Olive Dr	Basic	5,202	2,749																		
I-80 WB: Lane Drop to Richards Blvd	Basic			5,149	3,306	6,379	3,475	6,425	3,549	6,103	2,984	6,189	3,260	5,508	3,214	4,478	2,881	6,510	3,289	6,378	3,619
136 I-80 WB: Olive Dr Off-ramp	Diverge	5,201	2,769																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	5,049	2,653																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	5,052	2,656																		
I-80 WB: Richards Blvd Off-ramp	Diverge			5,137	3,323	6,372	3,506	6,421	3,581	6,113	3,014	6,178	3,288	5,510	3,240	4,473	2,893	6,502	3,326	6,377	3,643
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	4,742	2,433																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			4,141	2,810	5,190	2,889	5,228	2,947	4,970	2,475	5,037	2,804	4,557	2,742	3,633	2,418	5,403	2,736	5,158	3,000
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	4,743	2,434																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	4,912	2,639																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	4,912	2,640																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			4,146	2,816	5,185	2,895	5,230	2,954	4,962	2,485	5,032	2,815	4,553	2,747	3,629	2,423	5,395	2,750	5,153	3,008
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	5,078	2,903	4,848	3,550	5,819	3,588	5,854	3,658	5,588	3,202	5,658	3,541	5,250	3,494	4,374	3,184	6,016	3,406	5,793	3,719
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	5,077	2,913	4,844	3,556	5,813	3,602	5,854	3,668	5,583	3,214	5,652	3,553	5,251	3,498	4,373	3,184	6,015	3,413	5,790	3,727
145 I-80 WB: SR 113 Off-ramp	Diverge	4,748	2,774	4,419	3,316	5,342	3,340	5,373	3,398	5,118	2,963	5,183	3,307	4,817	3,270	4,009	2,914	5,549	3,135	5,301	3,452
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	3,936	1,909	3,345	2,330	4,123	2,235	4,166	2,264	3,944	1,993	4,019	2,386	3,722	2,184	3,018	2,024	4,348	2,112	4,128	2,299
147 I-80 WB: Old Davis Rd On-ramp	Merge	3,930	1,919	3,342	2,334	4,117	2,241	4,160	2,274	3,937	2,003	4,013	2,391	3,718	2,189	3,012	2,027	4,338	2,119	4,118	2,303
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	3,976	2,042	3,464	2,483	4,215	2,381	4,266	2,419	4,044	2,127	4,118	2,588	3,831	2,328	3,118	2,174	4,440	2,257	4,223	2,449
149 I-80 WB: SR 113 to Kidwell Rd	Weave	3,971	2,054	3,458	2,487	4,205	2,386	4,256	2,430	4,036	2,134	4,112	2,595	3,825	2,334	3,110	2,178	4,428	2,264	4,213	2,459
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	4,525	2,761	4,212	3,195	4,811	3,015	4,845	3,054	4,638	2,744	4,716	3,225	4,592	3,063	3,996	2,903	5,017	2,927	4,805	3,091
151 I-80 WB: Kidwell Rd On-ramp	Merge	4,519	2,774	4,210	3,206	4,801	3,034	4,833	3,065	4,616	2,757	4,711	3,242	4,580	3,071	3,998	2,911	5,006	2,940	4,796	3,104
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	4,530	2,790	4,219	3,222	4,805	3,050	4,840	3,081	4,626	2,774	4,712	3,265	4,591	3,087	4,004	2,925	5,008	2,959	4,803	3,120

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	4,883	4,753	5,997	5,916	7,634	5,630	7,784	5,617	6,306	5,397	7,456	5,091	7,623	5,606	5,161	6,003	6,397	5,646	7,685	5,632
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	4,591	4,058	5,677	5,459	7,059	5,024	7,202	5,045	5,966	4,825	6,781	4,574	7,127	4,963	4,958	5,346	6,092	5,025	7,117	5,028
163 I-80 WB: Truxel Rd NB On-ramp	Basic	4,595	4,064	5,684	5,505	7,058	5,029	7,184	5,050	5,976	4,831	6,751	4,580	7,158	4,969	4,977	5,357	6,111	5,032	7,120	5,037
164 I-80 WB: Truxel Rd to I-5	Weave	4,807	4,308	5,906	5,844	7,258	5,273	7,375	5,294	6,175	5,068	6,898	4,821	7,430	5,213	5,212	5,597	6,340	5,275	7,331	5,285
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	2,792	2,163	3,590	3,298	4,421	2,946	4,444	2,965	3,874	2,901	4,150	2,924	4,413	2,860	3,307	2,983	3,959	3,000	4,456	2,915
166 I-80 WB: I-5 NB On-ramp	Merge	2,795	2,168	3,589	3,357	4,413	2,951	4,432	2,973	3,867	2,905	4,125	2,930	4,420	2,868	3,246	2,988	4,018	3,007	4,457	2,923
167 I-80 WB: I-5 to W El Camino Ave	Weave	2,912	2,281	3,696	3,513	4,511	3,067	4,530	3,094	3,973	3,016	4,244	3,047	4,528	2,979	3,428	3,107	4,212	3,118	4,558	3,035
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	3,142	2,531	4,347	4,173	5,197	3,666	5,259	3,810	4,713	3,529	4,970	3,679	5,223	3,568	4,171	3,737	5,199	3,711	5,281	3,624
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	3,145	2,534	4,348	4,187	5,192	3,672	5,255	3,833	4,715	3,532	4,961	3,683	5,228	3,585	4,172	3,728	5,231	3,718	5,275	3,630
170 I-80 WB: W El Camino EB On-ramp	Merge	3,352	2,748	4,652	4,693	5,582	4,176	5,666	4,387	5,133	4,107	5,355	4,287	5,510	4,075	4,475	4,181	5,631	4,219	5,640	4,116
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	3,605	2,918	5,016	4,997											4,654	4,295				
I-80 WB: W El Camino Ave to Reed Ave	Basic					5,985	4,479	6,102	4,771	5,618	4,448	5,809	4,656	5,895	4,387			6,111	4,546	6,050	4,445
172 I-80 WB: Lane Drop to Reed Ave	Basic	3,606	2,920	5,010	5,015											4,806	4,421				
173 I-80 WB: Reed Ave Off-ramp	Diverge	3,619	2,939	4,989	5,089	5,865	4,542	5,906	4,968	5,576	4,483	5,713	4,731	5,860	4,605	4,809	4,408	6,168	4,623	5,956	4,521
174 I-80 WB: Reed Ave Off to On-ramp	Basic	2,575	2,076	3,668	3,688	4,400	3,375	4,407	3,677	4,178	3,260	4,239	3,512	4,305	3,301	3,520	3,095	4,685	3,407	4,469	3,316
175 I-80 WB: Reed Ave On-ramp	Merge	2,587	2,084	3,648	3,781	4,321	3,410	4,333	3,670	4,166	3,225	4,194	3,479	4,252	3,311	3,519	3,134	4,691	3,416	4,403	3,306
176 I-80 WB: Reed Ave to US 50	Basic	2,938	2,517	3,986	4,504	4,642	4,044	4,646	4,309	4,501	3,757	4,492	4,085	4,561	3,933	3,861	3,841	5,074	4,085	4,733	3,972
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	2,945	2,521	3,985	4,523	4,629	4,066	4,634	4,315	4,492	3,760	4,474	4,092	4,541	3,940	3,860	3,865	5,078	4,087	4,719	3,976
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	1,987	1,482	2,648	2,598	3,115	2,517	3,149	2,600	3,082	2,194	3,124	2,483	3,105	2,280	2,480	2,118			3,006	2,168
I-80 WB: US 50 Off to On-ramp	Basic																	3,529	2,424		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	1,997	1,485	2,651	2,626	3,107	2,540	3,139	2,606	3,081	2,196	3,114	2,489	3,099	2,301	2,481	2,147			2,998	2,181



I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 1  
 Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	5,663	7,631	5,925	7,522	5,750	7,323	5,720	7,332	5,839	7,764	5,680	7,678	5,470	7,238	5,910	7,470	6,037	7,549
2 I-80 EB: Pedrick Rd to Lane Add	Basic	5,796	7,864	6,097	7,765	5,917	7,555	5,853	7,573	5,979	7,968	5,816	7,912	5,627	7,359	6,039	7,710	6,204	7,857
3 I-80 EB: Lane Add to Kidwell Rd	Basic	5,794	7,819	6,108	7,760	5,923	7,552	5,866	7,540	5,991	7,976	5,814	7,879	5,596	7,110	6,084	7,668	6,246	7,851
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	5,797	7,814	6,109	7,761	5,923	7,553	5,866	7,538	5,990	7,975	5,814	7,881	5,596	7,086	6,087	7,704	6,246	7,850
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	5,768	7,723	6,081	7,664	5,899	7,461	5,839	7,477	5,960	7,883	5,785	7,820	5,565	6,846	6,059	7,607	6,184	7,757
6 I-80 EB: Kidwell Rd to SR 113	Weave	5,778	7,486	6,084	7,672	5,901	7,467	5,841	7,479	5,965	7,878	5,790	7,818	5,609	6,417	6,026	7,612	6,187	7,760
7 I-80 EB: SR 113 to Old Davis Rd	Basic	4,786	5,533	5,191	6,378	5,065	6,210	5,008	5,928	5,102	6,316	4,788	6,077	4,454	4,472	5,191	6,311	5,326	6,435
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	4,785	5,347	5,197	6,346	5,068	6,208	5,010	5,932	5,106	6,321	4,791	5,980	4,451	4,203	5,232	6,314	5,334	6,403
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,481	4,719	4,952	5,844	4,796	5,683	4,738	5,485	4,817	5,832	4,482	5,292	4,159	3,655	4,957	5,812	5,090	5,931
10 I-80 EB: SR 113 On-ramp	Basic	4,514	4,290	4,949	5,851	4,800	5,689	4,745	5,493	4,826	5,839	4,519	4,917	4,127	3,191	4,956	5,813	5,091	5,942
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	5,433	5,318	5,917	7,435	5,755	7,248	5,709	6,965	5,815	7,175	5,300	5,905	4,925	4,236	5,943	7,398	6,069	7,519
12 I-80 EB: Old Davis Rd On-ramp	Merge	5,430	5,233	5,922	7,435	5,790	7,245	5,712	6,965	5,816	7,173	5,334	5,818	4,958	4,123	5,944	7,396	6,071	7,517
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	5,957	6,277	6,465	8,705	6,324	8,525	6,281	8,217	6,389	8,405	5,840	6,749	5,487	4,894	6,499	8,657	6,670	8,770
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	5,962	6,206											5,487	4,765				
I-80 EB: Lane Drop to Richards Blvd	Basic			6,466	8,689	6,326	8,518	6,287	8,180	6,390	8,360	5,840	6,641			6,503	8,639	6,669	8,760
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	5,966	6,199											5,494	4,664				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	5,965	6,185	6,473	8,669	6,329	8,473	6,290	8,172	6,396	8,334	5,878	6,514	5,495	4,651	6,508	8,622	6,670	8,744
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	5,646	5,467	6,165	7,891	5,997	7,756	5,955	7,471	6,066	7,527	5,527	5,755	5,197	4,078	6,205	7,795	6,365	7,922
18 I-80 EB: Richards Blvd On-ramp	Merge	5,646	5,411	6,167	7,873	6,001	7,735	5,962	7,472	6,102	7,493	5,526	5,710	5,198	4,065	6,211	7,775	6,370	7,905
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	5,888	6,014	6,454	8,650	6,281	8,433	6,255	8,143	6,356	7,976	5,753	6,312	5,419	4,701	6,462	8,503	6,633	8,636
20 I-80 EB: Mace Blvd Off-ramp	Diverge	5,895	5,915	6,464	8,447	6,282	8,228	6,259	8,013	6,368	7,699	5,802	6,259	5,391	4,676	6,492	8,319	6,671	8,467
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	5,624	5,630	6,156	8,117	6,048	7,917	6,026	7,670	6,094	7,407	5,531	6,014	5,082	4,463	6,221	7,961	6,390	8,114
22 I-80 EB: Mace Blvd SB On-ramp	Merge	5,633	5,627	6,164	8,088	6,048	7,892	6,027	7,679	6,132	7,385	5,534	5,974	5,089	4,455	6,228	7,947	6,392	8,087
23 I-80 EB: Mace Blvd NB On-ramp	Merge	6,273	6,990	6,852	9,359	6,685	9,076	6,724	8,897	6,814	8,802	6,188	7,326	5,669	5,599	6,873	9,145	7,056	9,294
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	6,844	7,628	7,418	10,154	7,270	9,837	7,276	9,620	7,388	9,715	6,750	7,946	6,142	6,249	7,468	9,999	7,655	10,127
25 I-80 EB: County Rd 32B Off-ramp	Diverge	6,858	7,479	7,438	10,185	7,299	9,867	7,330	9,583	7,432	9,664	6,751	7,846	6,107	5,967	7,521	10,005	7,636	10,116
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	6,855	7,421	7,426	10,172	7,288	9,816	7,320	9,598	7,424	9,636	6,752	7,816	6,099	5,926	7,508	9,984	7,631	10,097
27 I-80 EB: County Rd 32B On-ramp	Merge	6,854	7,412	7,431	10,135	7,296	9,817	7,322	9,606	7,428	9,613	6,752	7,801	6,105	5,928	7,511	9,977	7,663	10,091
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	7,136	8,420	7,617	10,972	7,474	10,681	7,498	10,211	7,601	10,470	6,961	8,752	6,363	6,622	7,665	10,917	7,802	11,035
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	7,176	8,223	7,595	10,940	7,512	10,604	7,480	10,081	7,624	9,761	7,014	8,441	6,393	6,140	7,707	10,743	7,853	10,945
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	6,910	7,574	7,316	10,230	7,212	9,871	7,177	9,335	7,350	9,023	6,723	7,774			7,414	10,002	7,626	10,290
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													6,158	5,668				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													6,157	5,635				
31 I-80 EB: Enterprise Blvd to US 50	Weave	6,919	7,470	7,322	10,194	7,214	9,833	7,175	9,264	7,355	8,930	6,726	7,705	6,153	5,528	7,410	9,954	7,634	10,195
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	5,652	5,329											5,273	4,369				
US 50 EB: I-80 Off to On-ramp	Basic			6,295	7,319	6,070	7,204	6,185	7,062	6,315	7,069	5,580	5,698			6,345	7,268	6,077	7,264
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	5,645	5,035											5,270	4,121				
34 US 50 EB: I-80 to Harbor Blvd	Weave	5,645	4,929	6,301	7,050	6,070	6,930	6,187	6,742	6,323	6,749	5,573	5,418	5,265	4,051	6,340	6,994	6,071	7,041
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	6,021	6,322	6,810	8,491	6,488	8,366	6,540	8,129	6,712	8,099	5,872	6,891	5,610	5,611	6,851	8,455	6,542	8,544
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	6,023	6,231	6,808	8,438	6,488	8,285	6,538	8,074	6,682	8,040	5,870	6,836	5,610	5,614	6,851	8,400	6,538	8,489
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	6,367	6,847	7,138	8,685	6,727	8,561	6,854	8,479	7,053	8,649	6,140	7,192	5,965	6,314	7,218	8,851	6,999	8,774
38 US 50 EB: Jefferson Blvd On-ramp	Merge	6,366	6,848	7,109	8,660	6,705	8,579	6,858	8,411	7,060	8,643	6,176	7,179	5,972	6,309	7,188	8,842	6,996	8,796
39 US 50 EB: S River Rd On-ramp	Merge	8,726	9,234	9,502	11,062	9,019	10,918	9,218	10,752	9,379	10,983	8,513	9,597	8,252	8,570	9,541	11,274	9,368	11,170
40 US 50 EB: I-5 Off-ramp	Basic	9,794	10,252	10,541	12,099	10,017	11,928	10,153	11,745	10,400	11,979	9,578	10,589	9,209	9,565	10,546	12,271	10,428	12,171
41 US 50 EB: 5th St Off-ramp	Diverge	8,691	7,949	9,082	9,221	8,625	9,059	8,721	8,568	9,006	8,736	8,459	8,268	7,893	7,469	9,118	9,381	9,092	9,241
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	8,288	6,876																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			8,586	8,085	8,196	7,933	8,258	7,337	8,548	7,548	8,057	7,204	7,492	6,492	8,625	8,148	8,603	8,092
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	8,291	6,872																
US 50 EB: HOV Lane Add to I-5 On	Basic	8,288	6,873																
44 US 50 EB: I-5 to 15th St	Weave	8,289	6,869	8,599	8,126	8,199	7,966	8,262	7,335	8,543	7,580	8,030	7,199	7,520	6,490	8,631	8,145	8,605	8,120
45 US 50 EB: 15th St to 11th St	Basic	14,764	11,726	14,975	12,513	14,595	12,160	14,709	12,279	15,030	11,749	14,524	12,636	14,230	11,723	15,082	12,819	15,020	12,719
46 US 50 EB: 11th St On-ramp	Merge	14,743	11,669	14,946	12,442	14,638	12,107	14,698	12,225	15,029	11,704	14,525	12,585	14,236	11,730	15,057	12,766	15,062	12,663
47 US 50 EB: 16th St to SR 51/SR 99	Weave	15,492	13,114	15,596	13,944	15,353	13,502	15,178	13,427	15,663	12,914	15,315	13,999	15,017	13,297	15,678	13,990	15,718	13,934

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 1  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	3,008	3,656													1,708	2,433		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			2,912	4,613	2,878	4,315	2,865	3,808	2,948	3,522	2,930	3,720	2,621	2,576			2,399	4,353
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			2,881	4,620	2,881	4,314	2,827	3,807	2,950	3,531	2,927	3,718	2,620	2,555			2,398	4,357
62 I-80 EB: US 50 On-ramp	Basic/Merge	3,007	3,692	2,880	4,620	2,881	4,314	2,826	3,806	2,950	3,533	2,927	3,718	2,620	2,555	2,845	4,432	2,398	4,357
63 I-80 EB: US 50 to Reed Ave	Basic	5,021	6,458	4,920	7,406	4,860	6,995	4,846	6,511	4,975	6,262	4,913	6,606	4,519	5,336	4,843	7,219	4,717	7,087
64 I-80 EB: Reed Ave Off-ramp	Diverge	5,025	6,460	4,918	7,404	4,858	6,934	4,851	6,510	4,942	6,267	4,914	6,609	4,526	5,356	4,843	7,216	4,714	7,085
65 I-80 EB: Reed Ave Off to On-ramp	Basic	3,804	5,964	3,634	6,807	3,592	6,388	3,554	6,054	3,677	5,744	3,650	6,091	3,297	4,877	3,534	6,653	3,484	6,601
66 I-80 EB: Reed Ave On-ramp	Merge	3,804	5,961	3,633	6,824	3,594	6,354	3,550	6,002	3,677	5,745	3,650	6,098	3,299	4,899	3,566	6,690	3,484	6,589
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	4,626	8,132											4,053	7,074				
I-80 EB: Reed Ave to W El Camino Ave	Basic			3,709	7,132	3,679	6,586	3,700	6,477	3,798	6,513	3,883	6,891			4,280	8,705	3,688	7,115
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	4,663	8,071											4,056	7,123				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	4,662	8,066	4,335	8,597	4,280	7,865	4,288	7,795	4,406	8,016	4,441	8,332	4,056	7,124	4,284	8,502	4,276	8,430
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	4,063	6,648	3,709	7,132	3,679	6,586	3,700	6,477	3,798	6,513	3,883	6,891	3,542	5,796	3,688	7,029	3,688	7,115
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	4,062	6,600	3,713	7,072	3,679	6,531	3,667	6,413	3,763	6,508	3,883	6,861	3,542	5,798	3,689	6,971	3,687	7,054
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	4,611	7,126	4,256	7,620	4,223	7,054	4,218	6,992	4,276	7,108	4,431	7,441	4,092	6,393	4,272	7,521	4,228	7,599
73 I-80 EB: W El Camino Ave to I-5	Basic	5,064	7,963	4,708	8,417	4,618	7,771	4,642	7,746	4,670	7,995	4,846	8,284	4,534	7,424	4,702	8,314	4,667	8,364
74 I-80 EB: I-5 Off-ramp	Basic	5,066	7,954	4,707	8,407	4,617	7,759	4,641	7,737	4,669	7,991	4,845	8,277	4,532	7,425	4,670	8,300	4,667	8,354
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	3,902	5,895	3,600	6,360	3,528	5,924	3,488	5,825	3,507	5,863	3,724	6,174	3,494	5,493	3,567	6,231	3,544	6,268
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	3,906	5,855	3,598	6,336	3,528	5,906	3,489	5,792	3,505	5,806	3,722	6,161	3,492	5,500	3,565	6,200	3,550	6,234
77 I-80 EB: I-5 SB On-ramp	Merge	3,939	5,864	3,598	6,321	3,527	5,898	3,517	5,770	3,505	5,811	3,720	6,141	3,489	5,503	3,565	6,143	3,546	6,209
78 I-80 EB: I-5 to Truxel Rd	Weave	4,979	7,465	4,509	7,846	4,456	7,408	4,419	7,293	4,426	7,345	4,707	7,736	4,463	7,136	4,487	7,701	4,445	7,773
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	6,532	10,011	6,110	10,537	5,950	9,968	5,824	9,876	5,797	9,828	6,190	10,197	6,039	9,730	6,035	10,267	5,992	10,433
80 I-80 EB: Truxel Rd SB On-ramp	Basic	6,534	10,007	6,110	10,531	5,945	9,960	5,822	9,854	5,832	9,827	6,183	10,194	6,002	9,727	6,032	10,258	5,990	10,421
81 I-80 EB: Truxel Rd NB On-ramp	Merge	6,935	10,759	6,498	11,296	6,287	10,759	6,199	10,614	6,182	10,597	6,576	10,965	6,387	10,541	6,417	11,054	6,345	11,203
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	7,667	11,390	7,215	11,879	6,995	11,408	6,926	11,334	6,873	11,306	7,270	11,578	7,103	11,226	7,149	11,637	7,081	11,786
83 I-80 EB: Northgate Blvd Off-ramp	Basic	7,658	11,370	7,215	11,851	6,995	11,342	6,893	11,310	6,906	11,281	7,271	11,557	7,097	11,231	7,155	11,614	7,083	11,746

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 2  
 Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	7,795	4,874	8,032	7,403	7,974	7,211	7,973	7,329	8,106	7,333	7,984	6,202	7,976	1,531	7,909	7,351	7,965	7,424
2 I-80 EB: Pedrick Rd to Lane Add	Basic	8,101	4,940	8,376	7,627	8,269	7,454	8,274	7,538	8,374	7,515	8,323	6,262	8,310	1,579	8,245	7,564	8,279	7,691
3 I-80 EB: Lane Add to Kidwell Rd	Basic	8,095	4,663	8,336	7,668	8,265	7,463	8,227	7,538	8,369	7,515	8,281	5,973	8,298	1,394	8,210	7,605	8,273	7,698
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	8,093	4,635	8,336	7,665	8,264	7,463	8,226	7,541	8,369	7,517	8,277	5,911	8,299	1,382	8,209	7,603	8,271	7,697
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	8,052	4,396	8,302	7,572	8,229	7,405	8,186	7,447	8,330	7,465	8,241	5,661	8,227	1,293	8,169	7,513	8,233	7,637
6 I-80 EB: Kidwell Rd to SR 113	Weave	8,036	4,179	8,321	7,576	8,208	7,377	8,179	7,450	8,283	7,484	8,264	5,228	8,249	1,146	8,157	7,516	8,221	7,645
7 I-80 EB: SR 113 to Old Davis Rd	Basic	5,793	3,159	6,262	6,112	6,198	5,966	6,185	5,819	6,255	5,575	6,039	3,614	5,874	805	6,057	6,145	6,135	6,209
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	5,791	3,101	6,227	6,113	6,196	6,001	6,185	5,819	6,254	5,370	6,039	3,432	5,878	756	6,057	6,087	6,133	6,192
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,983	2,795	5,483	5,606	5,501	5,514	5,416	5,329	5,547	4,719	5,233	3,048	5,048	631	5,342	5,540	5,420	5,672
10 I-80 EB: SR 113 On-ramp	Basic	4,986	2,718	5,494	5,542	5,501	5,358	5,418	5,328	5,546	4,299	5,233	2,945	5,052	528	5,350	5,187	5,431	5,545
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	6,832	3,634	7,290	6,646	7,351	6,353	7,271	6,546	7,391	4,968	6,882	3,809	6,688	1,427	7,148	6,242	7,182	6,555
12 I-80 EB: Old Davis Rd On-ramp	Merge	6,830	3,626	7,289	6,600	7,350	6,313	7,270	6,505	7,388	4,881	6,881	3,765	6,687	1,379	7,148	6,157	7,214	6,503
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	7,546	4,757	8,092	7,666	8,172	7,328	8,061	7,644	8,172	5,776	7,635	4,689	7,353	1,684	7,971	7,171	7,973	7,563
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	7,579	4,735											7,230	1,635				
I-80 EB: Lane Drop to Richards Blvd	Basic			8,089	7,571	8,169	7,261	8,058	7,619	8,174	5,670	7,635	4,663			7,968	7,103	7,972	7,497
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	7,542	4,689											7,047	1,512				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	7,577	4,682	8,092	7,488	8,170	7,141	8,022	7,546	8,172	5,579	7,635	4,618	7,021	1,488	7,935	6,977	7,979	7,374
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	6,762	4,088	7,338	6,744	7,474	6,428	7,313	6,720	7,415	4,930	6,818	4,004	6,171	1,174	7,230	6,241	7,246	6,643
18 I-80 EB: Richards Blvd On-ramp	Merge	6,765	4,031	7,340	6,672	7,473	6,395	7,314	6,652	7,384	4,887	6,820	4,007	6,091	1,144	7,229	6,207	7,247	6,606
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	7,192	4,664	7,851	7,423	7,989	7,182	7,793	7,281	7,910	5,380	7,219	4,573	6,477	1,699	7,713	6,947	7,742	7,357
20 I-80 EB: Mace Blvd Off-ramp	Diverge	6,965	4,582	7,860	7,405	7,991	7,145	7,753	7,092	7,876	5,353	7,213	4,481	6,305	1,661	7,719	6,934	7,759	7,312
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	6,482	4,355	7,335	7,101	7,560	6,835	7,286	6,766	7,368	5,104	6,718	4,257	5,884	1,567	7,239	6,693	7,272	7,014
22 I-80 EB: Mace Blvd SB On-ramp	Merge	6,405	4,374	7,331	7,108	7,560	6,828	7,285	6,756	7,360	5,130	6,742	4,246	5,865	1,566	7,237	6,722	7,304	7,042
23 I-80 EB: Mace Blvd NB On-ramp	Merge	7,494	5,478	8,341	8,266	8,531	7,933	8,270	7,750	8,354	5,910	7,675	5,276	6,776	1,999	8,234	7,800	8,292	8,141
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	8,217	6,166	9,193	9,251	9,430	8,935	9,067	8,562	9,163	6,716	8,505	6,022	7,426	2,693	9,068	8,803	9,155	9,114
25 I-80 EB: County Rd 32B Off-ramp	Diverge	8,197	6,011	9,190	9,094	9,403	8,724	9,041	8,342	9,118	6,569	8,458	5,897	7,469	2,782	9,095	8,649	9,215	8,892
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	8,186	6,057	9,214	9,050	9,362	8,681	9,035	8,252	9,106	6,537	8,440	5,880	7,461	2,787	9,087	8,615	9,172	8,851
27 I-80 EB: County Rd 32B On-ramp	Merge	8,184	6,041	9,209	9,018	9,391	8,616	9,040	8,211	9,102	6,522	8,469	5,859	7,443	2,802	9,084	8,592	9,173	8,826
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	9,030	7,008	9,900	9,932	10,055	9,581	9,688	8,971	9,801	7,402	9,092	6,862	8,256	3,496	9,802	9,559	9,898	9,821
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	8,921	6,573	9,865	9,400	9,938	9,154	9,645	8,480	9,758	7,667	9,004	6,730	8,216	3,632	9,743	9,213	9,846	9,372
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	8,287	6,044	9,245	8,721	9,336	8,531	9,071	7,894	9,143	7,094	8,422	6,170			9,128	8,545	9,253	8,758
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													7,718	3,384				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													7,719	3,407				
31 I-80 EB: Enterprise Blvd to US 50	Weave	8,283	6,051	9,234	8,687	9,327	8,544	9,067	7,931	9,143	7,125	8,416	6,206	7,714	3,435	9,130	8,554	9,250	8,787
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	6,849	4,781											6,535	3,461				
US 50 EB: I-80 Off to On-ramp	Basic			7,686	6,417	7,660	6,463	7,393	6,232	7,317	5,917	6,981	4,884			7,413	6,306	7,000	6,569
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	6,854	4,756											6,266	3,533				
34 US 50 EB: I-80 to Harbor Blvd	Weave	6,851	4,763	7,680	6,478	7,657	6,536	7,357	6,258	7,342	5,991	6,983	4,932	6,224	3,549	7,415	6,376	6,994	6,548
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	8,017	6,112	9,429	8,001	9,074	7,992	8,726	7,650	8,452	7,475	7,987	6,506	7,444	5,231	8,895	7,844	8,724	7,997
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	7,962	6,114	9,428	8,006	9,106	8,025	8,723	7,683	8,483	7,476	7,983	6,507	7,423	5,233	8,895	7,848	8,730	8,004
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	7,360	6,815	8,766	8,532	8,531	8,591	8,194	8,308	7,918	8,217	7,431	7,028	6,884	5,824	8,488	8,506	8,333	8,619
38 US 50 EB: Jefferson Blvd On-ramp	Merge	7,264	6,779	8,764	8,555	8,529	8,558	8,190	8,304	7,914	8,248	7,433	7,061	6,841	5,887	8,489	8,563	8,330	8,624
39 US 50 EB: S River Rd On-ramp	Merge	9,339	9,002	10,900	10,793	10,905	10,834	10,276	10,504	10,005	10,456	9,608	9,277	8,857	7,945	10,588	10,755	10,466	10,867
40 US 50 EB: I-5 Off-ramp	Basic	10,516	9,968	12,056	11,843	12,029	11,858	11,455	11,533	11,238	11,459	10,797	10,313	9,995	8,953	11,752	11,768	11,626	11,919
41 US 50 EB: 5th St Off-ramp	Diverge	8,987	7,834	9,993	9,056	9,834	9,073	9,419	8,545	9,107	8,441	9,097	8,091	8,385	6,942	9,720	9,077	9,606	9,171
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	7,916	6,762																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			8,880	7,770	8,684	7,739	8,325	7,266	8,031	7,195	8,009	6,961	7,421	5,941	8,585	7,811	8,550	7,871
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	7,914	6,753																
US 50 EB: HOV Lane Add to I-5 On	Basic	7,904	6,752																
44 US 50 EB: I-5 to 15th St	Weave	7,902	6,714	8,842	7,738	8,695	7,705	8,324	7,260	8,057	7,166	8,011	6,952	7,438	5,945	8,586	7,785	8,563	7,853
45 US 50 EB: 15th St to 11th St	Basic	13,209	10,555	14,117	11,213	14,289	11,067	13,117	11,179	13,396	10,992	13,510	11,188	13,179	10,764	13,463	11,445	14,289	11,526
46 US 50 EB: 11th St On-ramp	Merge	13,201	10,495	14,155	11,203	14,305	11,056	13,128	11,203	13,393	10,982	13,468	11,157	13,168	10,651	13,450	11,395	14,257	11,512
47 US 50 EB: 16th St to SR 51/SR 99	Weave	14,457	11,994	15,267	12,725	15,429	12,633	14,265	12,582	14,522	12,333	14,657	12,675	14,506	12,082	14,596	12,794	15,374	12,895



I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 2  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	3,164	3,241													2,148	2,242		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			3,444	4,169	3,487	3,842	3,405	3,588	3,591	3,264	3,242	3,343	2,958	1,982			3,119	4,041
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			3,444	4,034	3,485	3,690	3,401	3,505	3,582	3,258	3,245	3,340	2,958	1,978			3,115	3,932
62 I-80 EB: US 50 On-ramp	Basic/Merge	3,166	3,220	3,444	4,026	3,483	3,683	3,401	3,467	3,583	3,257	3,246	3,342	2,956	1,979	3,549	4,110	3,116	3,926
63 I-80 EB: US 50 to Reed Ave	Basic	5,961	5,726	6,130	6,358	6,205	5,843	6,026	5,910	6,206	6,067	5,985	6,075	5,598	4,732	6,206	6,455	6,011	6,371
64 I-80 EB: Reed Ave Off-ramp	Diverge	5,923	5,669	6,124	6,258	6,167	5,804	6,021	5,807	6,203	6,065	5,983	6,030	5,592	4,731	6,205	6,376	6,012	6,262
65 I-80 EB: Reed Ave Off to On-ramp	Basic	4,415	5,188	4,599	5,783	4,631	5,412	4,493	5,284	4,643	5,484	4,433	5,468	4,125	4,259	4,676	5,843	4,611	5,734
66 I-80 EB: Reed Ave On-ramp	Merge	4,416	5,159	4,594	5,754	4,626	5,379	4,457	5,261	4,639	5,485	4,434	5,432	4,125	4,253	4,675	5,837	4,609	5,701
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	5,611	7,271											5,342	6,413				
I-80 EB: Reed Ave to W El Camino Ave	Basic			4,366	6,150	4,479	5,588	4,408	5,377	4,581	6,002	4,315	6,026			5,847	7,578	4,500	6,074
I-80 EB: HOV Lane Add to W El Camino Ave	Basic	5,614	7,135											5,306	6,408				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	5,613	7,131	5,731	7,453	5,777	6,745	5,683	6,589	5,912	7,622	5,578	7,521	5,306	6,408	5,832	7,528	5,820	7,320
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	4,342	5,799	4,366	6,150	4,479	5,588	4,408	5,377	4,581	6,002	4,315	6,026	4,111	5,055	4,530	6,198	4,500	6,074
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	4,348	5,754	4,363	6,145	4,475	5,578	4,408	5,396	4,579	5,985	4,315	6,023	4,107	5,055	4,528	6,192	4,535	6,078
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	5,314	6,390	5,277	6,735	5,402	6,176	5,300	5,959	5,486	6,568	5,255	6,667	5,009	5,711	5,465	6,778	5,459	6,666
73 I-80 EB: W El Camino Ave to I-5	Basic	6,237	7,260	6,190	7,533	6,388	6,908	6,159	6,667	6,373	7,399	6,199	7,592	5,969	6,848	6,416	7,600	6,387	7,494
74 I-80 EB: I-5 Off-ramp	Basic	6,237	7,258	6,189	7,532	6,385	6,910	6,158	6,663	6,373	7,392	6,200	7,592	5,969	6,849	6,414	7,597	6,387	7,491
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	4,519	5,217	4,548	5,608	4,656	5,303	4,453	5,033	4,591	5,286	4,380	5,396	4,369	4,741	4,591	5,604	4,690	5,671
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	4,480	5,218	4,513	5,633	4,621	5,262	4,446	5,019	4,588	5,262	4,350	5,374	4,408	4,748	4,592	5,598	4,687	5,662
77 I-80 EB: I-5 SB On-ramp	Merge	4,478	5,180	4,509	5,629	4,614	5,251	4,445	5,009	4,574	5,247	4,347	5,357	4,374	4,749	4,587	5,597	4,684	5,654
78 I-80 EB: I-5 to Truxel Rd	Weave	6,146	6,925	6,118	7,199	6,187	6,766	6,055	6,442	6,150	6,754	6,035	7,056	6,015	6,494	6,093	7,156	6,297	7,212
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	8,088	9,694	7,971	10,205	7,791	9,590	7,689	9,308	7,726	9,347	8,056	9,712	7,863	9,323	7,761	10,139	7,989	10,214
80 I-80 EB: Truxel Rd SB On-ramp	Basic	8,086	9,667	7,969	10,175	7,759	9,566	7,688	9,293	7,720	9,350	8,051	9,685	7,860	9,312	7,764	10,117	7,988	10,195
81 I-80 EB: Truxel Rd NB On-ramp	Merge	8,919	10,475	8,906	10,971	8,639	10,254	8,597	10,054	8,637	10,065	8,925	10,524	8,758	10,123	8,663	10,924	8,934	11,016
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	9,692	11,157	9,661	11,656	9,439	10,958	9,363	10,776	9,498	10,759	9,777	11,241	9,514	10,870	9,437	11,575	9,708	11,692
83 I-80 EB: Northgate Blvd Off-ramp	Basic	9,656	11,156	9,655	11,651	9,431	10,947	9,349	10,796	9,494	10,737	9,768	11,232	9,513	10,827	9,399	11,571	9,701	11,681

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 3  
 Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	8,065	2,921	7,804	7,463	7,675	6,561	7,580	7,426	7,844	5,639	8,037	3,214	8,027	100	7,766	6,770	7,884	7,115
2 I-80 EB: Pedrick Rd to Lane Add	Basic	8,393	3,115	8,148	7,567	8,009	6,584	7,910	7,508	8,152	5,686	8,324	3,380	8,315	60	8,055	6,821	8,220	7,178
3 I-80 EB: Lane Add to Kidwell Rd	Basic	8,391	3,158	8,153	7,383	8,012	6,347	7,880	7,419	8,155	5,518	8,327	3,485	8,320	69	8,087	6,587	8,259	6,969
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	8,392	3,165	8,152	7,369	8,012	6,324	7,880	7,371	8,156	5,499	8,328	3,486	8,320	66	8,087	6,568	8,258	6,953
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	8,335	3,162	8,126	7,190	7,989	6,120	7,859	7,189	8,130	5,348	8,306	3,452	8,263	101	8,068	6,308	8,204	6,763
6 I-80 EB: Kidwell Rd to SR 113	Weave	8,337	3,185	8,140	6,908	8,009	5,781	7,875	6,963	8,146	5,030	8,309	3,463	8,271	101	8,043	5,970	8,211	6,444
7 I-80 EB: SR 113 to Old Davis Rd	Basic	6,061	2,415	6,157	5,241	6,001	4,259	5,978	4,944	6,191	3,753	5,931	2,641	5,736	100	6,094	4,396	6,194	4,830
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	6,064	2,446	6,158	5,045	6,001	4,050	5,984	4,727	6,192	3,731	5,934	2,670	5,740	107	6,095	4,193	6,199	4,646
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	5,283	2,241	5,414	4,483	5,351	3,530	5,355	4,172	5,514	3,429	5,143	2,442	4,899	103	5,436	3,736	5,493	4,111
10 I-80 EB: SR 113 On-ramp	Basic	5,252	2,232	5,415	4,188	5,324	3,255	5,360	3,776	5,520	3,460	5,146	2,443	4,865	104	5,406	3,672	5,492	3,838
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	6,929	3,186	7,267	5,284	7,175	4,314	7,128	4,631	7,285	4,234	6,759	3,347	6,162	1,127	7,204	4,789	7,265	4,942
12 I-80 EB: Old Davis Rd On-ramp	Merge	6,934	3,194	7,267	5,283	7,173	4,270	7,129	4,594	7,282	4,241	6,759	3,350	6,051	1,130	7,204	4,794	7,265	4,946
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	7,827	4,213	8,161	6,359	8,071	5,354	7,991	5,414	8,154	5,254	7,600	4,367	6,486	1,534	8,084	5,887	8,156	6,030
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	7,828	4,221											6,440	1,503				
I-80 EB: Lane Drop to Richards Blvd	Basic			8,197	6,362	8,071	5,349	7,961	5,342	8,159	5,306	7,599	4,382			8,086	5,894	8,193	6,041
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	7,843	4,244											6,452	1,511				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	7,802	4,245	8,159	6,383	8,071	5,331	7,992	5,339	8,156	5,342	7,603	4,395	6,457	1,515	8,119	5,901	8,162	6,106
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	6,620	3,665	7,075	5,629	7,027	4,672	6,900	4,662	7,093	4,731	6,506	3,786	5,473	1,336	7,053	5,257	7,167	5,462
18 I-80 EB: Richards Blvd On-ramp	Merge	6,526	3,709	7,077	5,656	7,032	4,702	6,935	4,669	7,134	4,746	6,503	3,767	5,470	1,313	7,055	5,250	7,170	5,460
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	6,968	4,374	7,648	6,454	7,574	5,508	7,459	5,358	7,639	5,328	6,971	4,464	5,926	1,971	7,565	6,037	7,677	6,240
20 I-80 EB: Mace Blvd Off-ramp	Diverge	6,854	4,358	7,626	6,370	7,554	5,487	7,475	5,443	7,648	5,348	6,982	4,496	5,924	1,989	7,582	6,032	7,676	6,294
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	6,289	4,144	7,111	6,117	7,004	5,229	6,935	5,242	7,071	5,148	6,374	4,320	5,392	1,920	6,995	5,780	7,120	5,985
22 I-80 EB: Mace Blvd SB On-ramp	Merge	6,260	4,148	7,080	6,099	7,008	5,264	6,940	5,248	7,078	5,150	6,384	4,329	5,388	1,925	6,996	5,771	7,124	6,026
23 I-80 EB: Mace Blvd NB On-ramp	Merge	7,412	5,181	8,088	7,046	7,994	6,181	7,978	6,129	8,106	6,152	7,353	5,479	6,298	2,609	8,002	6,684	8,161	6,984
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	8,169	5,864	9,015	7,922	8,867	7,082	8,846	7,001	8,975	7,177	8,236	6,214	6,972	3,301	8,871	7,565	9,090	7,879
25 I-80 EB: County Rd 32B Off-ramp	Diverge	8,083	5,759	9,017	7,817	8,926	7,045	8,863	7,018	8,995	7,329	8,249	6,325	6,671	3,311	8,917	7,451	9,059	7,851
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	8,030	5,743	9,003	7,802	8,911	7,040	8,885	7,015	8,984	7,343	8,240	6,319	6,619	3,312	8,870	7,437	9,053	7,828
27 I-80 EB: County Rd 32B On-ramp	Merge	7,963	5,741	9,008	7,801	8,915	7,069	8,845	7,046	9,022	7,323	8,246	6,329	6,588	3,348	8,873	7,434	9,058	7,818
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	9,147	6,764	9,756	8,737	9,683	7,942	9,549	7,969	9,746	8,402	9,096	7,431	7,715	4,331	9,677	8,431	9,812	8,814
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	9,124	6,774	9,783	8,824	9,713	7,857	9,617	8,094	9,767	8,567	9,135	7,551	7,331	4,409	9,702	8,446	9,829	8,871
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	8,312	6,224	8,919	8,141	8,865	7,236	8,791	7,434	8,862	7,820	8,288	6,871			8,827	7,736	9,112	8,209
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													6,712	3,978				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													6,695	3,974				
31 I-80 EB: Enterprise Blvd to US 50	Weave	8,305	6,221	8,925	8,173	8,873	7,230	8,794	7,447	8,865	7,849	8,296	6,902	6,651	3,970	8,826	7,738	9,147	8,220
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	5,850	4,613											5,124	3,720				
US 50 EB: I-80 Off to On-ramp	Basic			6,652	5,756	6,407	5,217	6,449	5,565	6,526	5,921	5,993	5,134			6,400	5,521	6,406	5,980
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	5,817	4,644											5,100	3,657				
34 US 50 EB: I-80 to Harbor Blvd	Weave	5,816	4,605	6,659	5,850	6,419	5,435	6,460	5,867	6,544	5,962	5,966	5,148	5,098	3,647	6,446	5,704	6,422	6,141
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	7,159	5,755	8,382	7,178	8,010	7,010	7,827	7,460	7,908	7,344	7,314	6,525	6,320	5,280	8,185	6,931	8,273	7,337
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	7,193	5,756	8,387	7,175	8,009	7,021	7,830	7,483	7,907	7,347	7,320	6,557	6,316	5,276	8,185	6,972	8,271	7,378
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	6,493	6,186	7,318	7,299	7,041	7,031	7,090	7,521	7,033	7,529	6,469	6,649	5,632	5,415	7,440	7,164	7,431	7,463
38 US 50 EB: Jefferson Blvd On-ramp	Merge	6,459	6,210	7,324	7,311	7,050	7,045	7,102	7,596	7,044	7,531	6,441	6,650	5,583	5,402	7,449	7,169	7,443	7,463
39 US 50 EB: S River Rd On-ramp	Merge	8,591	8,294	9,509	9,408	9,395	9,329	9,138	9,690	9,140	9,598	8,628	8,808	7,529	7,420	9,618	9,264	9,629	9,578
40 US 50 EB: I-5 Off-ramp	Basic	9,771	9,296	10,730	10,395	10,583	10,267	10,302	10,689	10,316	10,567	9,851	9,773	8,698	8,319	10,833	10,271	10,878	10,576
41 US 50 EB: 5th St Off-ramp	Diverge	8,084	7,456	8,702	8,148	8,607	7,825	8,336	8,062	8,396	7,791	8,071	7,696	6,942	6,556	8,866	8,000	8,951	8,209
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	7,049	6,102																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			7,411	6,653	7,412	6,405	7,126	6,585	7,174	6,232	7,042	6,212	5,939	5,290	7,519	6,595	7,616	6,765
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	7,042	6,120																
US 50 EB: HOV Lane Add to I-5 On	Basic	7,038	6,126																
44 US 50 EB: I-5 to 15th St	Weave	7,030	6,133	7,502	6,690	7,412	6,433	7,171	6,600	7,174	6,269	7,050	6,266	5,906	5,295	7,569	6,661	7,602	6,826
45 US 50 EB: 15th St to 11th St	Basic	10,841	7,933	12,099	8,818	11,951	8,636	11,861	9,316	11,786	9,250	11,270	8,523	10,894	8,188	12,018	8,866	11,711	9,123
46 US 50 EB: 11th St On-ramp	Merge	10,852	7,975	12,064	8,872	11,894	8,652	11,891	9,325	11,790	9,258	11,263	8,547	10,889	8,209	12,061	8,919	11,731	9,139
47 US 50 EB: 16th St to SR 51/SR 99	Weave	12,122	9,308	13,264	10,182	13,197	10,156	12,796	10,501	12,859	10,437	12,562	9,902	12,241	9,553	13,134	10,136	12,928	10,321

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 3  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	4,140	3,459													2,564	2,326		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			4,103	3,959	4,235	3,378	4,171	3,516	4,112	3,861	4,074	3,750	3,206	2,198			3,714	3,767
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			4,095	3,972	4,190	3,397	4,131	3,507	4,112	3,793	4,062	3,673	3,196	2,197			3,711	3,742
62 I-80 EB: US 50 On-ramp	Basic/Merge	4,125	3,361	4,095	3,972	4,191	3,397	4,130	3,510	4,112	3,788	4,062	3,667	3,197	2,196	4,203	3,816	3,712	3,742
63 I-80 EB: US 50 to Reed Ave	Basic	6,530	5,319	6,435	5,714	6,436	4,960	6,393	5,144	6,329	6,241	6,341	5,849	5,358	5,015	6,386	5,373	6,621	5,386
64 I-80 EB: Reed Ave Off-ramp	Diverge	6,530	5,306	6,443	5,725	6,475	4,963	6,361	5,148	6,328	6,177	6,346	5,832	5,361	5,012	6,385	5,393	6,618	5,399
65 I-80 EB: Reed Ave Off to On-ramp	Basic	4,917	4,803	4,897	5,178	4,885	4,516	4,752	4,606	4,682	5,571	4,757	5,232	3,876	4,425	4,896	4,926	5,015	4,923
66 I-80 EB: Reed Ave On-ramp	Merge	4,917	4,807	4,899	5,191	4,883	4,519	4,754	4,618	4,713	5,536	4,755	5,229	3,874	4,422	4,897	4,904	5,019	4,902
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	6,290	7,069											5,171	6,676				
I-80 EB: Reed Ave to W El Camino Ave	Basic			4,880	5,496	4,860	4,790	4,747	4,831	4,741	5,285	4,810	5,699			6,188	6,806	5,052	5,315
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	6,278	7,180											5,210	6,658				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	6,281	7,179	6,192	7,209	6,158	6,244	6,053	6,388	6,031	7,312	6,125	7,557	5,210	6,657	6,165	6,838	6,395	6,890
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	4,904	5,479	4,880	5,496	4,860	4,790	4,747	4,831	4,741	5,285	4,810	5,699	4,110	4,746	4,892	5,197	5,052	5,315
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	4,903	5,505	4,878	5,522	4,861	4,836	4,747	4,879	4,744	5,224	4,808	5,692	4,114	4,750	4,891	5,216	5,052	5,333
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	5,697	6,122	5,634	6,111	5,636	5,372	5,527	5,492	5,533	5,809	5,609	6,315	4,895	5,464	5,671	5,763	5,837	5,902
73 I-80 EB: W El Camino Ave to I-5	Basic	6,455	7,058	6,368	6,978	6,411	6,170	6,247	6,275	6,252	6,531	6,365	7,147	5,588	6,547	6,401	6,570	6,544	6,729
74 I-80 EB: I-5 Off-ramp	Basic	6,456	7,058	6,367	6,981	6,411	6,166	6,247	6,277	6,253	6,530	6,364	7,145	5,589	6,546	6,400	6,572	6,544	6,733
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	4,617	4,858	4,507	4,764	4,577	4,209	4,437	4,214	4,359	4,270	4,506	4,730	3,904	4,270	4,617	4,412	4,694	4,574
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	4,656	4,857	4,507	4,733	4,546	4,218	4,446	4,221	4,367	4,309	4,543	4,721	3,907	4,272	4,588	4,419	4,699	4,546
77 I-80 EB: I-5 SB On-ramp	Merge	4,659	4,847	4,548	4,727	4,583	4,221	4,420	4,221	4,411	4,284	4,548	4,724	3,912	4,274	4,629	4,412	4,670	4,549
78 I-80 EB: I-5 to Truxel Rd	Weave	6,499	6,477	6,299	6,243	6,261	5,650	6,146	5,629	6,060	5,756	6,231	6,365	5,628	5,865	6,370	5,904	6,380	6,043
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	7,808	8,795	7,502	8,803	7,279	8,054	7,065	8,003	6,944	8,019	7,307	8,608	6,944	8,071	7,422	8,433	7,518	8,616
80 I-80 EB: Truxel Rd SB On-ramp	Basic	7,816	8,795	7,507	8,776	7,282	8,049	7,070	7,999	6,985	8,030	7,315	8,579	6,951	8,090	7,427	8,439	7,523	8,619
81 I-80 EB: Truxel Rd NB On-ramp	Merge	8,974	9,617	8,628	9,596	8,359	8,864	8,143	8,812	8,103	8,803	8,462	9,393	8,108	8,934	8,563	9,263	8,644	9,478
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	9,978	10,458	9,617	10,367	9,350	9,751	9,100	9,700	9,017	9,690	9,407	10,262	9,082	9,881	9,515	10,041	9,653	10,266
83 I-80 EB: Northgate Blvd Off-ramp	Basic	10,024	10,461	9,632	10,302	9,366	9,762	9,120	9,703	9,032	9,695	9,422	10,262	9,088	9,911	9,522	10,039	9,662	10,271

I-80/US 50 Managed Lanes  
 Mainline Persons Served - Hour 4  
 Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	6,533	3,209	6,429	5,410	6,399	3,745	6,381	5,658	6,506	6,738	6,531	4,561	6,426	241	6,530	4,375	6,526	5,136
2 I-80 EB: Pedrick Rd to Lane Add	Basic	6,718	3,352	6,625	5,644	6,588	3,910	6,542	5,770	6,663	6,908	6,721	4,780	6,611	256	6,684	4,567	6,749	5,342
3 I-80 EB: Lane Add to Kidwell Rd	Basic	6,727	3,345	6,630	5,616	6,599	3,960	6,577	5,700	6,673	6,886	6,732	4,782	6,619	256	6,693	4,559	6,760	5,332
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	6,726	3,342	6,634	5,580	6,597	3,963	6,578	5,728	6,673	6,892	6,733	4,785	6,618	259	6,696	4,553	6,761	5,328
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	6,708	3,329	6,609	5,536	6,573	3,914	6,561	5,652	6,651	6,822	6,713	4,770	6,567	222	6,670	4,543	6,740	5,282
6 I-80 EB: Kidwell Rd to SR 113	Weave	6,711	3,336	6,642	5,471	6,574	3,875	6,556	5,574	6,646	6,825	6,713	4,867	6,605	253	6,672	4,542	6,772	5,274
7 I-80 EB: SR 113 to Old Davis Rd	Basic	5,252	2,635	5,464	4,572	5,381	3,222	5,336	4,440	5,465	5,480	5,267	3,739	4,977	265	5,471	3,795	5,536	4,326
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	5,248	2,640	5,463	4,573	5,380	3,192	5,367	4,421	5,462	5,498	5,229	3,778	4,955	262	5,469	3,786	5,531	4,333
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	4,789	2,472	5,040	4,319	4,973	3,054	4,992	4,173	5,083	5,210	4,762	3,510	4,407	214	5,092	3,609	5,150	4,094
10 I-80 EB: SR 113 On-ramp	Basic	4,790	2,482	5,073	4,287	4,972	2,999	4,996	4,173	5,082	5,222	4,766	3,458	4,144	214	5,091	3,593	5,118	4,148
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	5,811	3,651	6,286	5,640	6,194	4,327	6,256	5,385	6,335	6,290	5,770	4,539	4,881	1,303	6,326	4,950	6,272	5,474
12 I-80 EB: Old Davis Rd On-ramp	Merge	5,812	3,621	6,287	5,608	6,200	4,335	6,257	5,422	6,334	6,256	5,772	4,550	4,899	1,304	6,328	4,917	6,276	5,481
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	6,428	4,489	6,999	6,572	6,971	5,333	7,024	6,337	7,112	7,197	6,439	5,559	5,332	1,842	7,121	5,880	7,027	6,403
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	6,432	4,508											5,302	1,870				
I-80 EB: Lane Drop to Richards Blvd	Basic			6,999	6,589	6,973	5,353	7,023	6,378	7,113	7,198	6,440	5,617			7,120	5,899	7,027	6,453
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	6,456	4,533											5,173	1,840				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	6,464	4,541	7,002	6,621	6,940	5,402	7,028	6,348	7,116	7,253	6,439	5,647	5,121	1,846	7,125	5,951	7,062	6,410
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	5,525	3,817	6,101	5,779	6,056	4,713	6,143	5,488	6,141	6,295	5,499	4,738	4,290	1,509	6,153	5,198	6,142	5,627
18 I-80 EB: Richards Blvd On-ramp	Merge	5,622	3,801	6,065	5,835	6,058	4,733	6,111	5,486	6,140	6,303	5,503	4,789	4,243	1,539	6,152	5,216	6,140	5,614
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	6,225	4,469	6,577	6,668	6,553	5,590	6,614	6,223	6,643	6,857	5,938	5,416	4,666	2,183	6,672	6,089	6,651	6,460
20 I-80 EB: Mace Blvd Off-ramp	Diverge	6,609	4,576	6,611	6,756	6,591	5,691	6,621	6,205	6,649	6,854	5,941	5,461	4,639	2,223	6,709	6,140	6,657	6,510
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	6,093	4,294	6,176	6,447	6,147	5,405	6,198	5,882	6,183	6,516	5,465	5,100	4,249	2,078	6,246	5,807	6,216	6,169
22 I-80 EB: Mace Blvd SB On-ramp	Merge	6,163	4,309	6,175	6,463	6,147	5,412	6,197	5,886	6,218	6,520	5,500	5,106	4,247	2,078	6,243	5,818	6,215	6,178
23 I-80 EB: Mace Blvd NB On-ramp	Merge	6,995	5,555	7,288	7,714	7,235	6,329	7,287	6,994	7,283	7,797	6,557	6,397	5,155	2,746	7,341	6,979	7,342	7,414
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	7,792	6,196	8,157	8,489	8,119	7,133	8,171	7,676	8,220	8,604	7,319	6,994	5,703	3,517	8,207	7,752	8,140	8,211
25 I-80 EB: County Rd 32B Off-ramp	Diverge	7,925	6,415	8,212	8,656	8,167	7,256	8,152	7,801	8,235	8,627	7,347	7,044	5,631	3,499	8,225	7,989	8,200	8,368
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	7,954	6,427	8,206	8,668	8,154	7,262	8,143	7,810	8,226	8,622	7,302	7,043	5,615	3,493	8,210	8,005	8,179	8,401
27 I-80 EB: County Rd 32B On-ramp	Merge	8,025	6,445	8,209	8,681	8,155	7,278	8,142	7,835	8,226	8,624	7,331	7,057	5,649	3,459	8,210	8,026	8,180	8,438
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	8,641	7,767	8,498	9,679	8,437	8,429	8,505	8,920	8,549	10,019	7,722	8,231	6,196	4,653	8,544	9,260	8,502	9,702
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	8,666	8,044	8,577	9,735	8,516	8,658	8,503	8,958	8,573	9,920	7,761	8,472	6,172	4,612	8,577	9,407	8,567	9,847
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	7,993	7,160	7,860	8,697	7,826	7,770	7,805	8,086	7,880	8,917	7,143	7,545			7,876	8,384	7,979	8,879
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													5,672	4,023				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													5,671	4,021				
31 I-80 EB: Enterprise Blvd to US 50	Weave	7,937	7,222	7,862	8,658	7,834	7,804	7,810	8,052	7,892	8,904	7,112	7,556	5,668	4,015	7,921	8,397	7,984	8,870
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	5,728	5,003											4,777	3,319				
US 50 EB: I-80 Off to On-ramp	Basic			6,302	5,218	6,255	4,675	6,385	4,957	6,340	5,823	5,664	5,141			6,368	5,274	6,182	5,525
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	5,231	5,364											4,759	3,336				
34 US 50 EB: I-80 to Harbor Blvd	Weave	5,079	5,462	6,307	5,355	6,286	4,716	6,391	4,968	6,372	6,053	5,665	5,330	4,761	3,331	6,363	5,345	6,179	5,631
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	5,689	6,795	7,187	7,350	6,989	6,475	7,044	6,956	6,953	7,844	6,240	7,332	5,780	4,632	7,107	7,453	6,890	7,988
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	5,625	6,829	7,187	7,404	6,986	6,519	7,041	6,992	6,956	7,899	6,218	7,383	5,782	4,635	7,101	7,500	6,878	8,026
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	5,961	6,547	7,601	7,029	7,187	6,381	7,487	6,635	7,384	7,503	6,567	6,719	5,718	4,677	7,430	7,179	7,382	7,220
38 US 50 EB: Jefferson Blvd On-ramp	Merge	5,948	6,548	7,495	7,119	7,034	6,492	7,386	6,759	7,368	7,444	6,467	6,728	5,715	4,668	7,333	7,228	7,247	7,293
39 US 50 EB: S River Rd On-ramp	Merge	8,226	8,773	9,737	9,370	9,170	8,838	9,662	8,938	9,656	9,613	8,736	9,013	7,775	6,607	9,557	9,502	9,446	9,569
40 US 50 EB: I-5 Off-ramp	Basic	9,425	9,832	10,899	10,393	10,301	9,931	10,783	9,951	10,846	10,537	9,901	10,036	8,960	7,577	10,686	10,527	10,595	10,597
41 US 50 EB: 5th St Off-ramp	Diverge	7,886	7,412	8,893	7,531	8,435	7,263	8,804	7,011	8,792	7,472	8,148	7,510	7,289	5,573	8,823	7,724	8,781	7,771
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	7,231	5,942																
US 50 EB: 5th St Off to I-5 On-ramp	Basic			8,051	6,100	7,704	5,845	7,938	5,538	7,979	5,952	7,443	6,068	6,631	4,482	7,999	6,269	7,983	6,260
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																		
US 50 EB: Lane Drop to HOV Lane Add	Basic	7,234	5,945																
US 50 EB: HOV Lane Add to I-5 On	Basic	7,238	5,948																
44 US 50 EB: I-5 to 15th St	Weave	7,242	5,949	7,976	6,067	7,695	5,864	7,905	5,536	7,908	5,959	7,411	6,068	6,630	4,482	7,940	6,237	7,986	6,268
45 US 50 EB: 15th St to 11th St	Basic	11,954	10,783	12,505	10,878	12,029	10,960	12,531	10,713	12,262	11,212	11,756	11,241	11,565	10,118	12,614	11,539	12,439	11,440
46 US 50 EB: 11th St On-ramp	Merge	11,996	10,784	12,515	10,854	12,031	10,994	12,540	10,808	12,302	11,247	11,775	11,252	11,595	10,218	12,618	11,561	12,459	11,494
47 US 50 EB: 16th St to SR 51/SR 99	Weave	13,154	12,026	13,575	12,003	13,206	12,177	13,350	11,799	13,315	12,160	12,969	12,503	12,802	11,513	13,624	12,531	13,612	12,432

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 4  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	3,809	4,060													2,129	3,129		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic			3,471	5,125	3,473	4,663	3,372	4,730	3,521	4,934	3,448	4,167	2,734	2,560			3,009	5,041
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic			3,481	5,177	3,488	4,697	3,419	4,757	3,531	4,910	3,422	4,118	2,736	2,521			3,014	5,099
62 I-80 EB: US 50 On-ramp	Basic/Merge	3,817	4,012	3,481	5,182	3,489	4,700	3,419	4,759	3,531	4,906	3,423	4,115	2,734	2,521	3,517	5,089	3,014	5,104
63 I-80 EB: US 50 to Reed Ave	Basic	5,388	6,061	5,016	7,458	5,032	6,708	4,915	6,865	5,029	7,015	4,962	6,189	4,211	5,093	4,998	7,139	4,810	7,332
64 I-80 EB: Reed Ave Off-ramp	Diverge	5,393	6,103	5,018	7,433	5,033	6,716	4,921	6,901	5,036	7,018	4,964	6,227	4,212	5,039	5,001	7,181	4,822	7,350
65 I-80 EB: Reed Ave Off to On-ramp	Basic	4,612	5,660	4,283	6,984	4,271	6,323	4,205	6,449	4,316	6,483	4,202	5,726	3,484	4,561	4,275	6,723	4,007	6,923
66 I-80 EB: Reed Ave On-ramp	Merge	4,615	5,657	4,287	6,989	4,239	6,284	4,208	6,448	4,319	6,480	4,204	5,717	3,485	4,546	4,275	6,710	4,007	6,886
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	6,143	7,763											4,887	6,694				
I-80 EB: Reed Ave to W El Camino Ave	Basic			4,652	6,702	4,452	6,045	4,446	5,975	4,573	6,134	4,624	5,843			5,617	8,789	4,516	6,708
I-80 EB: HOV Lane Add to W El Camino Ave	Basic	6,154	7,846											4,901	6,729				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	6,155	7,851	5,682	9,114	5,589	8,256	5,484	8,400	5,686	8,489	5,643	7,907	4,901	6,730	5,658	8,870	5,482	9,001
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	5,144	5,790	4,652	6,702	4,452	6,045	4,446	5,975	4,573	6,134	4,624	5,843	3,940	4,755	4,678	6,576	4,516	6,708
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	5,150	5,855	4,653	6,724	4,451	6,013	4,446	5,977	4,604	6,149	4,626	5,880	3,938	4,753	4,677	6,594	4,518	6,729
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	5,610	6,406	5,114	7,416	4,902	6,639	4,935	6,544	5,070	6,722	5,095	6,525	4,400	5,355	5,138	7,231	4,989	7,331
73 I-80 EB: W El Camino Ave to I-5	Basic	6,148	7,383	5,660	8,245	5,428	7,448	5,428	7,336	5,562	7,543	5,664	7,467	4,960	6,124	5,677	8,090	5,509	8,185
74 I-80 EB: I-5 Off-ramp	Basic	6,147	7,396	5,661	8,245	5,430	7,447	5,428	7,371	5,529	7,549	5,664	7,512	4,958	6,123	5,676	8,093	5,509	8,188
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	4,850	4,912	4,367	5,464	4,175	4,867	4,117	4,818	4,234	4,871	4,384	4,964	3,763	3,746	4,379	5,333	4,177	5,474
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	4,818	4,953	4,371	5,506	4,175	4,867	4,115	4,817	4,235	4,876	4,382	5,003	3,760	3,713	4,379	5,340	4,184	5,477
77 I-80 EB: I-5 SB On-ramp	Merge	4,818	5,026	4,370	5,506	4,178	4,864	4,154	4,824	4,235	4,876	4,378	5,036	3,759	3,717	4,379	5,343	4,215	5,479
78 I-80 EB: I-5 to Truxel Rd	Weave	6,417	6,538	5,801	6,867	5,522	6,299	5,464	6,355	5,622	6,333	5,831	6,522	5,240	5,139	5,756	6,704	5,596	6,864
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	8,086	7,594	7,425	7,956	7,011	7,164	6,803	7,261	6,897	7,129	7,291	7,679	6,952	6,282	7,332	7,857	7,256	7,969
80 I-80 EB: Truxel Rd SB On-ramp	Basic	8,088	7,634	7,463	8,022	7,044	7,204	6,793	7,338	6,893	7,189	7,287	7,710	6,946	6,287	7,327	7,888	7,258	8,003
81 I-80 EB: Truxel Rd NB On-ramp	Merge	8,902	8,577	8,224	8,879	7,762	8,151	7,511	8,147	7,589	8,046	8,066	8,648	7,719	7,047	8,098	8,815	8,025	8,945
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	9,560	9,378	8,853	9,640	8,388	8,973	8,114	9,036	8,191	8,856	8,682	9,456	8,353	7,753	8,721	9,573	8,688	9,722
83 I-80 EB: Northgate Blvd Off-ramp	Basic	9,559	9,444	8,886	9,733	8,383	9,033	8,078	9,136	8,192	8,951	8,672	9,518	8,353	7,825	8,720	9,674	8,683	9,823



I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 1  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	10,375	9,660	10,999	10,152	10,413	9,496	9,986	9,366	10,099	9,013	10,194	10,216	6,659	5,775	10,957	10,559	11,076	9,913
102 US 50 WB: SR 51 to 16th St	Weave	13,350	12,367	14,882	13,089	14,201	12,276	13,446	12,108	13,836	11,872	13,338	12,952	8,453	6,879	14,996	13,759	15,130	12,497
103 US 50 WB: 10th St Off-ramp	Diverge	14,018	14,071	15,765	15,148	15,032	14,426	14,642	14,188	14,868	13,949	13,980	14,413	9,324	8,362	15,825	15,441	15,917	14,673
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	12,960	13,114	14,632	13,994	13,898	13,450	13,516	13,302	13,689	12,965	12,869	13,143	8,558	7,737	14,237	14,278	14,747	13,499
105 US 50 WB: 15th St to I-5	Weave	12,784	12,964	14,664	13,834	13,892	13,267	13,520	13,144	13,688	12,771	12,614	12,929	8,461	7,759	14,227	14,319	14,743	13,327
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	8,136	8,550	9,556	9,502	9,155	9,098	8,890	8,904	8,991	8,218	7,894	8,386	4,559	5,337	9,090	10,015	9,617	8,916
107 US 50 WB: 5th St On-ramp	Merge	8,104	8,532	9,559	9,509	9,154	9,099	8,891	8,908	8,993	8,220	7,863	8,423	5,562	5,728	9,090	10,018	9,618	8,921
108 US 50 WB: I-5 On-ramp	Merge	8,255	8,942	9,780	10,024	9,383	9,603	9,115	9,422	9,260	8,768	8,008	8,852	5,762	6,154	9,336	10,644	9,840	9,433
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	10,299	10,498	12,595	11,701	12,081	11,124	11,715	10,950	11,943	10,382	10,143	10,403	7,301	7,776	12,186	12,276	12,627	11,041
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	8,046	6,333	9,835	7,226	9,529	7,056	9,328	6,796	9,474	6,342	7,820	6,228	5,703	4,695	9,650	7,701	10,012	6,946
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	7,902	6,349																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave			9,844	7,237	9,522	7,062	9,223	6,812	9,440	6,362	7,864	6,240	5,678	4,694	9,650	7,669	10,060	6,968
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	8,946	7,888																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	8,898	7,886																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	8,859	7,884																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	6,141	5,932	7,940	6,842	7,592	6,801	7,282	6,433	7,421	6,117	6,330	6,000	4,778	4,697	7,793	7,276	8,108	6,575
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	6,085	5,934	7,942	6,843	7,597	6,805	7,269	6,434	7,418	6,118	6,300	5,999	4,821	4,696	7,792	7,276	8,064	6,562
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,737	6,985	8,598	7,788	8,185	7,688	7,832	7,212	8,032	7,206	6,950	6,962	5,397	5,625	8,422	8,196	8,941	7,539
118 US 50 WB: I-80 EB Off-ramp	Basic	7,044	7,469	8,930	8,207	8,499	8,103	8,119	7,659	8,354	7,645	7,258	7,401	5,713	6,052	8,706	8,592	9,280	7,968
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,398	4,589	7,057	5,349	6,675	5,344	6,425	4,961	6,605	5,051	5,580	4,558	4,387	3,847	6,766	5,544	7,126	4,915
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,396	4,594	7,058	5,352	6,645	5,347	6,429	4,962	6,604	5,052	5,576	4,560	3,539	3,212	6,768	5,544	7,131	4,913
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,382	4,594	7,058	5,385	6,647	5,357	6,432	4,966	6,612	5,060	5,572	4,559	4,402	3,879	6,734	5,547	7,112	4,878
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	9,064	7,997											8,033	6,854				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			10,996	9,215	10,532	8,995	10,099	8,215	10,336	9,023	9,545	7,959			8,765	6,983	11,168	8,617
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	9,066	8,006											8,000	6,852				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	9,075	8,016	10,988	9,185	10,532	8,963	10,099	8,217	10,336	9,027	9,535	7,929	7,998	6,856	11,765	9,208	11,166	8,616
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	9,359	8,231	11,329	9,412	10,799	9,143	10,398	8,396	10,608	9,232	9,787	8,099	8,227	6,957	12,073	9,388	11,381	8,851
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,733	8,415	11,674	9,624	11,205	9,339	10,806	8,632	11,017	9,466	10,197	8,342	8,599	7,155	12,467	9,610	11,733	9,250
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,634	8,464	11,651	9,639	11,185	9,364	10,795	8,667	10,988	9,489	10,263	8,339	8,613	7,199	12,466	9,603	11,692	9,268
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,776	7,715	11,116	9,070	10,744	8,765	10,262	7,920	10,380	8,903	9,533	7,743	7,972	6,593	11,941	9,045	11,185	8,682
129 I-80 WB: County Rd 32A On-ramp	Merge	8,779	7,709	11,114	9,074	10,751	8,768	10,266	7,959	10,347	8,907	9,539	7,708	7,969	6,626	11,942	9,051	11,187	8,684
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,810	7,719	11,148	9,117	10,817	8,821	10,294	7,979	10,414	8,964	9,599	7,732	7,998	6,648	12,006	9,071	11,258	8,698
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,806	7,723	11,161	9,132	10,875	8,767	10,280	8,000	10,379	8,933	9,582	7,752	8,014	6,659	12,012	9,030	11,271	8,738
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,727	6,217	9,639	7,051	9,271	6,810	8,821	6,327	8,874	7,282	8,381	6,233	6,964	5,291	10,303	7,004	9,598	6,783
133 I-80 WB: Mace Blvd On-ramp	Merge	7,721	6,210	9,644	7,054	9,276	6,811	8,818	6,335	8,875	7,287	8,384	6,235	6,951	5,291	10,306	6,966	9,599	6,782
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	8,055	6,829	10,023	7,618	9,635	7,415	9,149	6,927	9,212	7,904	8,757	6,866	7,301	5,858	10,659	7,621	9,978	7,416
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	8,054	6,828	10,019	7,618	9,634	7,416	9,150	6,926	9,214	7,902	8,758	6,868	7,303	5,859	10,655	7,620	9,980	7,417
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,024	6,802	9,971	7,633	9,595	7,426	9,180	6,929	9,207	7,913	8,786	6,840	7,281	5,853	10,657	7,601	9,959	7,415
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	7,201	6,122	8,939	6,747	8,574	6,639	8,252	6,153	8,262	7,181	8,044	6,197	6,588	5,185	9,651	6,817	8,930	6,547
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	7,198	6,117	8,931	6,745	8,562	6,642	8,255	6,155	8,274	7,183	8,045	6,198	6,586	5,187	9,650	6,820	8,923	6,548
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,673	7,098	9,397	7,672	9,006	7,519	8,704	7,158	8,733	8,088	8,535	7,169	7,078	6,122	10,119	7,666	9,370	7,489
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,681	7,128	9,399	7,637	9,014	7,519	8,706	7,162	8,728	8,091	8,511	7,173	7,123	6,125	10,089	7,625	9,378	7,478
145 I-80 WB: SR 113 Off-ramp	Diverge	7,031	6,508	8,662	7,007	8,297	6,881	8,012	6,542	8,042	7,463	7,885	6,609	6,527	5,523	9,318	6,961	8,621	6,873
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	6,024	5,247	7,333	5,421	7,075	5,409	6,856	5,122	6,867	6,168	6,779	5,179	5,526	4,409	7,941	5,536	7,317	5,392
147 I-80 WB: Old Davis Rd On-ramp	Merge	6,024	5,249	7,331	5,425	7,078	5,399	6,851	5,157	6,871	6,163	6,777	5,178	5,518	4,414	7,925	5,542	7,306	5,387
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	6,070	5,474	7,372	5,680	7,154	5,614	6,884	5,308	6,948	6,439	6,855	5,361	5,555	4,641	7,964	5,714	7,342	5,561
149 I-80 WB: SR 113 to Kidwell Rd	Weave	6,072	5,481	7,366	5,682	7,118	5,614	6,874	5,273	6,915	6,437	6,855	5,388	5,550	4,640	7,964	5,711	7,337	5,593
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	7,327	6,833	8,371	6,764	8,104	6,652	7,751	6,252	7,840	7,521	8,057	6,677	7,023	6,060	8,984	6,823	8,315	6,677
151 I-80 WB: Kidwell Rd On-ramp	Merge	7,315	6,837	8,408	6,754	8,102	6,655	7,755	6,282	7,794	7,519	8,085	6,708	7,025	6,053	8,978	6,824	8,350	6,681
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	7,350	6,855	8,430	6,768	8,120	6,714	7,777	6,303	7,861	7,542	8,109	6,729	7,080	6,075	9,042	6,869	8,380	6,735
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	7,353	6,849	8,463	6,769	8,122	6,708	7,775	6,300	7,862	7,581	8,108	6,765	7,079	6,077	9,041	6,869	8,377	6,733
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	7,352	6,851	8,429	6,767	8,158	6,714	7,777	6,296	7,862	7,579	8,101	6,729	7,049	6,107	9,032	6,839	8,410	6,731

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 1  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	10,488	10,900	11,238	10,841	10,578	10,277	10,243	9,719	10,384	9,356	11,218	10,707	9,329	10,617	11,111	10,726	11,234	10,610
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	9,933	9,795	10,735	9,851	10,350	9,298	9,831	8,849	10,017	8,595	10,991	9,708	8,773	9,646	10,916	9,734	10,927	9,649
163 I-80 WB: Truxel Rd NB On-ramp	Basic	9,898	9,796	10,712	9,849	10,286	9,299	9,781	8,851	9,972	8,598	11,015	9,744	8,707	9,643	10,911	9,738	10,900	9,649
164 I-80 WB: Truxel Rd to I-5	Weave	10,271	10,094	11,111	10,183	10,677	9,621	10,141	9,167	10,406	8,915	11,475	10,047	9,140	9,977	11,404	10,102	11,319	9,947
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	6,372	5,866	7,049	6,083	6,524	5,669	6,159	5,412	6,382	5,478	7,155	5,837	5,638	5,556	7,359	5,905	7,125	5,800
166 I-80 WB: I-5 NB On-ramp	Merge	6,301	5,867	6,934	6,082	6,416	5,667	6,079	5,413	6,300	5,480	7,115	5,867	5,494	5,555	7,355	5,901	7,009	5,834
167 I-80 WB: I-5 to W El Camino Ave	Weave	6,415	6,076	6,976	6,317	6,455	5,868	6,122	5,615	6,348	5,674	7,134	6,043	5,770	5,780	7,499	6,113	7,051	6,044
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	7,655	7,356	8,184	7,640	7,730	7,220	7,252	6,752	7,465	7,304	8,391	7,266	7,103	6,649	9,287	7,424	8,246	7,422
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	7,655	7,355	8,175	7,640	7,714	7,220	7,242	6,750	7,451	7,300	8,378	7,266	7,072	6,608	9,255	7,429	8,230	7,424
170 I-80 WB: W El Camino EB On-ramp	Merge	8,111	8,117	8,661	8,275	8,232	7,832	7,712	7,429	7,990	7,982	8,824	7,955	7,599	7,214	9,834	8,053	8,711	8,052
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	8,594	8,623																
I-80 WB: W El Camino Ave to Reed Ave	Basic			9,223	8,841	8,726	8,326	8,233	7,947	8,486	8,579	9,332	8,446			10,406	8,586	9,218	8,580
172 I-80 WB: Lane Drop to Reed Ave	Basic	8,590	8,620											8,102	7,671				
173 I-80 WB: Reed Ave Off-ramp	Diverge	8,562	8,649	8,967	8,836	8,416	8,323	8,048	7,980	8,245	8,608	9,242	8,427	8,156	7,671	10,450	8,583	8,970	8,582
174 I-80 WB: Reed Ave Off to On-ramp	Basic	6,297	6,743	6,760	7,020	6,285	6,572	6,023	6,285	6,143	6,928	6,861	6,545	5,993	5,979	7,979	6,743	6,610	6,795
175 I-80 WB: Reed Ave On-ramp	Merge	6,222	6,734	6,651	7,000	6,154	6,558	5,957	6,240	6,061	6,842	6,764	6,541	5,963	5,978	7,976	6,715	6,451	6,748
176 I-80 WB: Reed Ave to US 50	Basic	6,459	7,861	6,977	8,344	6,486	7,820	6,224	7,532	6,295	8,080	7,006	7,792	6,253	7,110	8,309	8,025	6,733	8,097
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	6,453	7,854	6,941	8,347	6,484	7,822	6,187	7,528	6,296	8,079	6,987	7,795	6,254	7,146	8,300	8,026	6,736	8,096
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	5,103	4,709	5,429	5,132	5,224	4,915	4,990	4,548	5,105	5,182	5,533	4,632	4,914	4,218			5,192	4,548
I-80 WB: US 50 Off to On-ramp	Basic															6,571	4,924		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	5,097	4,710	5,430	5,138	5,222	4,917	4,991	4,547	5,103	5,185	5,491	4,666	4,916	4,219			5,189	4,550

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 2  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	8,064	8,952	10,787	9,230	9,961	8,004	9,423	7,717	9,585	7,312	8,701	9,158	3,876	4,407	10,515	10,180	10,924	8,830
102 US 50 WB: SR 51 to 16th St	Weave	9,701	11,124	14,035	11,493	13,065	9,909	12,536	9,566	12,772	8,924	10,888	11,553	4,645	5,257	13,583	13,094	14,117	10,755
103 US 50 WB: 10th St Off-ramp	Diverge	11,104	13,667	15,390	14,019	14,459	12,144	14,055	11,709	14,361	11,030	12,318	13,381	5,654	6,973	14,964	14,669	15,353	13,054
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	9,773	12,086	13,415	12,502	12,602	10,955	12,242	10,555	12,860	10,009	10,838	11,903	5,131	6,175	13,098	13,034	13,512	11,613
105 US 50 WB: 15th St to I-5	Weave	9,691	12,240	13,420	12,569	12,652	11,023	12,243	10,503	12,859	10,006	10,917	12,059	5,060	6,202	13,104	12,823	13,483	11,567
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	7,219	8,175	9,802	8,709	9,106	7,788	8,790	7,356	9,237	6,816	7,826	8,168	3,115	4,340	9,582	9,160	9,789	8,178
107 US 50 WB: 5th St On-ramp	Merge	7,282	8,155	9,766	8,671	9,106	7,779	8,790	7,359	9,237	6,814	7,791	8,146	3,919	4,721	9,583	9,054	9,785	8,146
108 US 50 WB: I-5 On-ramp	Merge	7,748	8,699	10,309	9,294	9,634	8,385	9,282	7,999	9,773	7,519	8,232	8,693	4,251	5,344	10,056	9,648	10,322	8,731
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	10,013	10,968	13,205	11,540	12,297	10,808	11,890	10,330	12,370	9,860	10,738	10,866	5,403	7,564	12,908	11,715	13,100	11,097
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	7,007	6,531	9,330	7,180	8,662	6,689	8,359	6,203	8,669	5,767	7,462	6,331	4,041	4,584	9,186	7,298	9,207	6,818
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	6,956	6,485																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave			9,368	7,166	8,691	6,692	8,436	6,211	8,676	5,765	7,455	6,334	4,012	4,611	9,267	7,333	9,218	6,648
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	8,194	8,615																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	8,150	8,615																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	8,149	8,612																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	5,706	5,974	7,319	6,889	6,822	6,608	6,555	6,049	6,715	5,836	5,921	5,897	3,954	5,131	7,244	6,943	7,356	6,219
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	5,694	5,971	7,320	6,853	6,822	6,583	6,613	6,052	6,722	5,837	5,957	5,896	3,998	5,132	7,244	6,914	7,363	6,207
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,630	6,874	8,434	7,797	7,826	7,407	7,515	6,994	7,766	6,834	6,923	6,823	4,967	6,121	8,318	7,845	8,543	7,086
118 US 50 WB: I-80 EB Off-ramp	Basic	6,984	7,609	8,816	8,503	8,174	8,101	7,897	7,729	8,117	7,628	7,272	7,594	5,340	6,942	8,698	8,502	9,079	7,861
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	4,964	4,676	6,499	5,447	6,049	5,260	5,934	4,922	6,029	4,905	5,148	4,643	3,837	4,174	6,412	5,358	6,460	4,774
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	4,936	4,631	6,537	5,414	6,055	5,256	5,930	4,922	6,034	4,904	5,177	4,640	3,029	3,577	6,417	5,356	6,463	4,772
121 I-80 WB: US 50 to W Capitol Ave	Weave	4,941	4,629	6,542	5,416	6,102	5,245	5,930	4,918	6,045	4,902	5,168	4,635	3,851	4,172	6,427	5,347	6,497	4,772
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	8,205	7,709											6,608	6,769				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			10,410	8,919	9,644	8,404	9,166	8,128	9,492	8,242	8,640	7,763			8,166	6,823	10,019	8,387
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	8,201	7,693											6,645	6,751				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	8,194	7,676	10,400	8,918	9,633	8,442	9,159	8,092	9,520	8,248	8,635	7,757	6,639	6,744	10,633	9,103	10,012	8,390
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	8,739	7,973	10,850	9,313	10,088	8,853	9,614	8,423	9,982	8,569	9,110	8,024	7,108	7,001	11,094	9,430	10,492	8,802
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,368	8,364	11,385	9,710	10,685	9,236	10,272	8,814	10,604	8,944	9,723	8,382	7,667	7,318	11,681	9,788	11,148	9,321
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,421	8,285	11,432	9,706	10,779	9,234	10,372	8,792	10,628	8,983	9,750	8,394	7,692	7,259	11,760	9,811	11,265	9,311
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,508	7,139	10,719	8,897	10,080	8,606	9,558	7,914	9,755	8,156	9,097	7,408	6,855	6,352	11,058	9,070	10,691	8,628
129 I-80 WB: County Rd 32A On-ramp	Merge	8,511	7,146	10,727	8,899	10,085	8,603	9,560	7,909	9,758	8,160	9,095	7,411	6,856	6,357	11,069	9,062	10,696	8,629
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,556	7,193	10,771	8,981	10,096	8,636	9,577	7,946	9,771	8,238	9,108	7,448	6,879	6,396	11,087	9,102	10,704	8,675
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,542	7,203	10,801	8,948	10,134	8,670	9,652	7,932	9,876	8,312	9,153	7,509	6,927	6,387	11,193	9,122	10,732	8,658
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,391	5,526	9,188	6,512	8,620	6,383	8,294	5,976	8,472	6,188	8,022	5,778	5,895	4,817	9,471	6,713	9,152	6,381
133 I-80 WB: Mace Blvd On-ramp	Merge	7,402	5,527	9,192	6,517	8,654	6,389	8,339	5,969	8,509	6,199	8,025	5,782	5,909	4,822	9,484	6,752	9,199	6,422
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	7,982	6,021	9,749	6,995	9,174	6,854	8,846	6,437	9,022	6,677	8,607	6,287	6,512	5,335	10,066	7,246	9,759	6,914
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	7,983	6,021	9,751	7,028	9,174	6,854	8,844	6,437	9,020	6,678	8,608	6,286	6,511	5,302	10,068	7,245	9,758	6,915
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,013	6,033	9,819	7,070	9,259	6,854	8,853	6,484	9,047	6,735	8,599	6,342	6,513	5,359	10,142	7,287	9,795	6,982
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	6,996	5,358	8,558	6,132	8,091	6,006	7,770	5,727	7,910	5,978	7,565	5,687	5,718	4,716	8,876	6,421	8,574	6,067
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	7,008	5,360	8,555	6,134	8,101	6,014	7,778	5,728	7,913	5,983	7,570	5,690	5,725	4,749	8,880	6,458	8,585	6,066
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,843	6,389	9,287	7,077	8,770	6,982	8,418	6,654	8,630	7,016	8,401	6,722	6,549	5,731	9,594	7,369	9,360	7,067
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,842	6,395	9,296	7,078	8,770	6,984	8,424	6,653	8,634	7,027	8,364	6,723	6,552	5,731	9,621	7,378	9,357	7,082
145 I-80 WB: SR 113 Off-ramp	Diverge	7,082	5,781	8,422	6,366	7,982	6,263	7,628	5,956	7,816	6,325	7,623	6,055	5,915	5,114	8,754	6,649	8,533	6,362
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	5,700	4,533	6,661	4,810	6,401	4,761	6,129	4,576	6,259	4,983	6,156	4,610	4,813	3,944	6,943	5,113	6,747	4,866
147 I-80 WB: Old Davis Rd On-ramp	Merge	5,738	4,535	6,632	4,850	6,411	4,799	6,138	4,577	6,264	4,994	6,162	4,645	4,829	3,944	6,997	5,108	6,755	4,874
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	5,853	4,892	6,743	5,190	6,522	5,123	6,249	4,902	6,341	5,324	6,281	4,995	4,940	4,254	7,118	5,498	6,872	5,287
149 I-80 WB: SR 113 to Kidwell Rd	Weave	5,856	4,895	6,791	5,192	6,522	5,163	6,296	4,907	6,384	5,330	6,284	5,004	4,948	4,257	7,130	5,501	6,914	5,294
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	7,888	6,306	8,239	6,326	7,916	6,307	7,640	6,048	7,800	6,420	8,075	6,416	7,173	5,653	8,571	6,631	8,429	6,472
151 I-80 WB: Kidwell Rd On-ramp	Merge	7,896	6,309	8,242	6,336	7,952	6,276	7,670	6,052	7,812	6,422	8,078	6,415	7,202	5,668	8,548	6,633	8,432	6,475
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	7,937	6,328	8,300	6,352	8,008	6,323	7,758	6,068	7,889	6,451	8,164	6,436	7,250	5,679	8,637	6,657	8,472	6,524
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	7,931	6,332	8,305	6,354	8,011	6,323	7,762	6,068	7,890	6,486	8,166	6,439	7,250	5,679	8,643	6,659	8,438	6,524
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	7,933	6,336	8,340	6,354	8,019	6,331	7,761	6,076	7,894	6,456	8,134	6,441	7,253	5,685	8,654	6,661	8,478	6,528



I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 2  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	7,659	11,585	7,727	10,993	7,420	10,612	6,403	10,307	7,268	9,892	9,868	11,130	6,101	11,129	12,136	11,019	8,020	11,216
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	7,584	10,293	7,524	9,828	7,062	9,521	6,284	9,153	7,061	8,894	9,123	9,952	6,234	9,765	11,256	9,914	7,494	10,050
163 I-80 WB: Truxel Rd NB On-ramp	Basic	7,620	10,294	7,544	9,832	7,098	9,525	6,312	9,154	7,039	8,894	9,116	9,953	6,255	9,713	11,263	9,911	7,488	10,051
164 I-80 WB: Truxel Rd to I-5	Weave	8,149	10,562	8,098	10,109	7,581	9,792	6,816	9,427	7,500	9,137	9,553	10,227	6,796	9,855	11,742	10,181	8,005	10,326
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	5,492	6,221	5,760	5,872	5,447	5,739	5,086	5,564	5,303	5,478	6,224	5,848	4,670	5,349	7,657	5,881	5,813	5,884
166 I-80 WB: I-5 NB On-ramp	Merge	5,513	6,220	5,781	5,874	5,471	5,743	5,098	5,599	5,334	5,476	6,239	5,887	4,451	5,240	7,663	5,887	5,842	5,887
167 I-80 WB: I-5 to W El Camino Ave	Weave	5,655	6,548	5,934	6,212	5,581	6,052	5,206	5,916	5,463	5,846	6,377	6,219	4,781	5,416	7,774	6,227	5,961	6,223
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	6,831	7,892	6,994	7,736	6,669	7,562	6,335	7,446	6,557	7,336	7,234	7,719	5,962	6,442	9,122	8,076	7,045	7,825
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	6,805	7,850	7,034	7,734	6,677	7,595	6,341	7,483	6,572	7,334	7,246	7,712	5,966	6,448	9,120	8,073	7,058	7,827
170 I-80 WB: W El Camino EB On-ramp	Merge	7,371	8,417	7,599	8,486	7,190	8,216	6,851	8,138	7,098	8,046	7,805	8,402	6,516	7,017	9,628	8,761	7,654	8,538
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	8,244	8,823											6,862	7,161				
I-80 WB: W El Camino Ave to Reed Ave	Basic			8,511	8,997	8,117	8,689	7,804	8,620	7,998	8,660	8,683	8,871			10,470	9,254	8,549	9,037
172 I-80 WB: Lane Drop to Reed Ave	Basic	8,253	8,803											7,385	7,499				
173 I-80 WB: Reed Ave Off-ramp	Diverge	8,298	8,637	8,703	9,003	8,392	8,538	7,917	8,595	8,191	8,661	8,790	8,718	7,402	7,495	10,375	9,237	8,788	9,015
174 I-80 WB: Reed Ave Off to On-ramp	Basic	6,097	6,512	6,713	6,812	6,395	6,469	5,936	6,491	6,044	6,590	6,434	6,499	5,414	5,696	7,750	7,101	6,692	6,784
175 I-80 WB: Reed Ave On-ramp	Merge	6,221	6,491	6,848	6,782	6,552	6,451	6,024	6,417	6,187	6,513	6,534	6,469	5,419	5,686	7,754	7,097	6,870	6,743
176 I-80 WB: Reed Ave to US 50	Basic	6,749	7,501	7,448	8,126	7,090	7,740	6,544	7,697	6,701	7,791	7,099	7,703	5,909	6,759	8,192	8,317	7,491	8,069
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	6,805	7,498	7,464	8,127	7,106	7,741	6,584	7,696	6,747	7,795	7,127	7,699	5,908	6,756	8,205	8,318	7,507	8,072
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	4,663	4,405	5,078	4,785	4,936	4,391	4,658	4,377	4,841	4,459	4,877	4,374	3,789	3,828			4,907	4,294
I-80 WB: US 50 Off to On-ramp	Basic															5,392	5,017		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	4,706	4,401	5,113	4,784	4,937	4,395	4,658	4,378	4,812	4,462	4,911	4,341	3,793	3,821			4,910	4,294

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 3  
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Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	8,852	9,816	10,559	9,458	9,910	8,887	9,430	7,411	9,585	6,568	9,176	10,301	5,555	4,959	9,581	8,604	10,582	9,003
102 US 50 WB: SR 51 to 16th St	Weave	10,861	12,876	13,649	12,082	12,909	11,710	12,165	8,985	12,395	7,836	11,519	13,482	6,525	5,916	12,332	10,755	13,564	10,997
103 US 50 WB: 10th St Off-ramp	Diverge	12,278	14,064	14,697	13,399	13,965	13,185	13,631	10,616	13,707	9,451	12,683	14,265	7,991	7,525	13,417	11,830	14,609	12,610
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	10,805	12,669	12,885	12,033	12,216	12,060	11,867	9,720	11,781	8,622	10,979	12,632	7,038	6,676	11,174	10,583	12,783	11,344
105 US 50 WB: 15th St to I-5	Weave	11,038	12,528	12,887	11,981	12,218	12,067	11,904	9,748	11,789	8,618	11,148	12,576	7,158	6,683	11,216	10,729	12,827	11,440
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	7,590	8,341	9,004	8,438	8,636	8,483	8,204	7,037	8,233	5,796	7,917	8,463	4,565	4,879	7,978	7,983	9,008	8,004
107 US 50 WB: 5th St On-ramp	Merge	7,569	8,259	9,044	8,403	8,603	8,418	8,206	7,029	8,203	5,789	7,933	8,404	5,531	5,233	7,985	8,003	9,013	7,983
108 US 50 WB: I-5 On-ramp	Merge	7,906	8,927	9,613	9,108	9,246	9,025	8,798	7,835	8,857	6,620	8,438	9,050	5,985	5,931	8,629	8,828	9,593	8,642
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	10,315	11,179	12,588	11,284	11,991	11,198	11,414	10,537	11,576	9,473	11,194	11,315	7,838	8,238	11,666	10,870	12,463	10,841
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	6,455	6,488	7,989	6,724	7,552	6,758	7,432	6,145	7,390	5,422	6,964	6,511	5,197	4,657	7,505	6,516	7,915	6,391
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	6,666	6,493																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave			8,007	6,737	7,565	6,751	7,512	6,150	7,409	5,426	7,107	6,504	5,275	4,681	7,526	6,535	7,924	6,549
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	7,937	8,752																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	8,022	8,755																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	8,060	8,758																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	5,823	6,096	6,815	6,867	6,450	6,717	6,434	6,037	6,250	5,561	5,997	6,137	4,782	5,090	6,398	6,689	6,824	6,566
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	5,840	6,099	6,816	6,902	6,450	6,741	6,454	6,038	6,251	5,559	6,003	6,137	4,787	5,083	6,402	6,754	6,826	6,624
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,960	6,984	7,895	7,880	7,480	7,710	7,487	6,974	7,273	6,684	7,063	6,952	5,786	6,014	7,468	7,745	8,102	7,646
118 US 50 WB: I-80 EB Off-ramp	Basic	7,278	7,619	8,263	8,554	7,855	8,357	7,898	7,523	7,616	7,244	7,415	7,503	6,149	6,435	7,811	8,389	8,489	8,428
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,173	5,114	6,057	5,945	5,764	5,888	5,873	5,318	5,612	5,164	5,234	5,090	4,375	4,363	5,648	5,767	6,042	5,452
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,153	5,152	6,065	5,946	5,766	5,884	5,853	5,318	5,615	5,165	5,244	5,088	3,543	3,550	5,656	5,770	6,045	5,404
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,184	5,140	6,078	5,935	5,780	5,881	5,903	5,314	5,631	5,162	5,253	5,070	4,380	4,233	5,708	5,777	6,060	5,365
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	8,298	7,204											6,787	6,304				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			10,206	8,824	9,765	8,618	9,216	8,028	9,568	8,402	8,799	7,566			7,594	6,932	9,955	8,450
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	8,298	7,191											6,791	6,301				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	8,303	7,185	10,218	8,789	9,776	8,594	9,214	8,024	9,569	8,381	8,810	7,531	6,791	6,302	10,144	8,871	9,959	8,406
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	8,918	7,628	10,714	9,251	10,246	9,040	9,724	8,419	10,012	8,871	9,308	7,889	7,283	6,610	10,661	9,404	10,491	8,908
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,348	8,238	11,093	9,910	10,695	9,735	10,189	9,169	10,548	9,539	9,776	8,656	7,717	7,246	11,076	10,107	11,036	9,691
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,331	8,277	11,126	9,865	10,680	9,700	10,142	9,197	10,502	9,451	9,756	8,644	7,663	7,226	11,073	10,074	10,950	9,663
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,429	6,956	10,598	8,865	10,249	8,760	9,472	7,862	9,831	8,216	9,015	7,534	7,097	6,210	10,648	9,157	10,495	8,737
129 I-80 WB: County Rd 32A On-ramp	Merge	8,457	6,954	10,591	8,868	10,201	8,755	9,475	7,866	9,831	8,210	9,013	7,536	7,094	6,176	10,645	9,161	10,495	8,738
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,474	7,008	10,606	8,921	10,210	8,773	9,488	7,885	9,813	8,265	9,033	7,599	7,107	6,236	10,654	9,220	10,512	8,789
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,458	7,009	10,616	8,907	10,177	8,765	9,459	7,879	9,824	8,209	9,020	7,559	7,086	6,245	10,633	9,218	10,480	8,809
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,305	5,154	8,922	6,205	8,553	6,090	7,913	5,669	8,346	5,911	7,814	5,529	5,966	4,509	8,798	6,451	8,837	6,127
133 I-80 WB: Mace Blvd On-ramp	Merge	7,297	5,191	8,877	6,203	8,550	6,090	7,878	5,671	8,310	5,898	7,806	5,531	5,966	4,514	8,762	6,448	8,794	6,124
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	8,169	5,705	9,535	6,745	9,142	6,587	8,513	6,198	8,977	6,425	8,577	6,093	6,651	5,042	9,521	6,999	9,456	6,672
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	8,168	5,703	9,533	6,745	9,142	6,588	8,515	6,203	8,978	6,423	8,578	6,092	6,648	5,074	9,524	7,001	9,454	6,672
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,152	5,697	9,549	6,709	9,094	6,654	8,537	6,202	8,928	6,415	8,569	6,081	6,602	5,071	9,531	6,998	9,437	6,665
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	6,536	5,060	7,527	5,824	7,182	5,777	6,828	5,420	7,106	5,751	6,918	5,384	5,367	4,443	7,622	6,116	7,530	5,812
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	6,526	5,030	7,578	5,831	7,171	5,781	6,828	5,426	7,106	5,782	6,960	5,386	5,365	4,412	7,633	6,082	7,498	5,816
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,409	6,218	8,426	6,898	7,971	6,826	7,614	6,543	7,911	6,846	7,845	6,516	6,221	5,591	8,423	7,072	8,371	6,899
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,412	6,217	8,424	6,891	7,970	6,825	7,614	6,540	7,948	6,839	7,882	6,517	6,180	5,559	8,462	7,105	8,410	6,892
145 I-80 WB: SR 113 Off-ramp	Diverge	6,576	5,580	7,469	6,159	7,017	6,095	6,731	5,867	7,035	6,197	6,986	5,838	5,406	4,940	7,454	6,365	7,415	6,194
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	4,745	4,019	5,406	4,344	5,086	4,271	4,853	4,173	5,191	4,620	5,070	4,233	3,835	3,552	5,368	4,501	5,380	4,394
147 I-80 WB: Old Davis Rd On-ramp	Merge	4,749	4,020	5,441	4,341	5,085	4,270	4,887	4,172	5,199	4,616	5,074	4,239	3,832	3,555	5,374	4,509	5,388	4,399
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	4,907	4,405	5,557	4,737	5,224	4,608	4,992	4,429	5,343	5,087	5,238	4,582	3,979	3,921	5,526	4,854	5,530	4,746
149 I-80 WB: SR 113 to Kidwell Rd	Weave	4,916	4,403	5,561	4,741	5,234	4,606	5,030	4,428	5,340	5,089	5,247	4,581	3,980	3,954	5,529	4,851	5,538	4,742
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	6,609	5,849	6,945	5,934	6,626	5,677	6,376	5,598	6,717	6,240	7,115	6,026	5,907	5,485	7,018	5,983	6,955	5,957
151 I-80 WB: Kidwell Rd On-ramp	Merge	6,655	5,846	6,992	5,899	6,634	5,681	6,393	5,605	6,718	6,234	7,121	6,027	5,919	5,480	7,025	5,989	6,961	5,929
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	6,673	5,853	7,003	5,909	6,640	5,692	6,404	5,616	6,738	6,236	7,128	6,035	5,942	5,492	7,076	5,994	7,025	5,939
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	6,677	5,854	6,970	5,908	6,673	5,693	6,405	5,617	6,739	6,235	7,129	6,034	5,945	5,489	7,082	5,996	7,033	5,939
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	6,682	5,853	6,976	5,913	6,640	5,688	6,412	5,614	6,745	6,240	7,136	6,037	5,953	5,488	7,093	5,996	7,037	5,940

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 3  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	9,855	11,494	11,036	11,421	11,284	10,864	9,689	10,370	10,636	10,060	10,837	11,400	7,376	9,375	12,545	11,388	11,351	11,473
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	9,103	9,715	10,192	9,881	10,371	9,445	8,873	9,006	9,818	8,673	9,838	9,837	6,956	8,096	11,435	9,812	10,493	9,943
163 I-80 WB: Truxel Rd NB On-ramp	Basic	9,098	9,668	10,160	9,847	10,393	9,442	8,861	8,974	9,842	8,667	9,822	9,804	6,946	8,088	11,422	9,812	10,501	9,939
164 I-80 WB: Truxel Rd to I-5	Weave	9,375	9,798	10,489	10,126	10,714	9,677	9,090	9,240	10,192	8,943	10,109	10,083	7,185	8,335	11,657	10,059	10,763	10,184
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	6,424	5,464	7,274	5,996	7,210	5,756	6,298	5,419	6,945	5,549	6,789	5,833	4,918	4,799	7,831	5,881	7,471	5,982
166 I-80 WB: I-5 NB On-ramp	Merge	6,380	5,335	7,267	5,993	7,199	5,752	6,297	5,419	6,949	5,545	6,787	5,828	4,699	4,809	7,744	5,880	7,463	5,977
167 I-80 WB: I-5 to W El Camino Ave	Weave	6,481	5,457	7,374	6,282	7,331	5,988	6,461	5,669	7,077	5,824	6,926	6,089	5,044	5,102	7,820	6,174	7,568	6,272
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	7,274	6,428	8,364	7,822	8,319	7,314	7,477	7,098	8,256	7,537	7,786	7,567	5,933	6,118	8,860	7,795	8,628	7,847
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	7,305	6,414	8,366	7,824	8,320	7,258	7,443	7,099	8,221	7,507	7,782	7,562	5,935	6,151	8,823	7,796	8,624	7,845
170 I-80 WB: W El Camino EB On-ramp	Merge	7,846	6,952	8,981	8,489	8,843	7,877	7,989	7,769	8,777	8,166	8,323	8,214	6,486	6,718	9,385	8,505	9,196	8,519
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	8,758	7,402											7,007	6,859				
I-80 WB: W El Camino Ave to Reed Ave	Basic			10,036	9,000	9,792	8,332	8,900	8,252	9,760	8,778	9,240	8,603			10,407	9,027	10,197	9,081
172 I-80 WB: Lane Drop to Reed Ave	Basic	8,756	7,383											7,447	7,184				
173 I-80 WB: Reed Ave Off-ramp	Diverge	8,685	7,256	10,041	8,971	9,869	8,254	8,850	8,309	9,752	8,767	9,250	8,488	7,434	7,162	10,510	9,003	10,162	9,029
174 I-80 WB: Reed Ave Off to On-ramp	Basic	6,532	5,345	7,741	6,586	7,600	6,159	6,713	6,099	7,439	6,623	6,921	6,077	5,568	5,171	8,109	6,607	7,854	6,703
175 I-80 WB: Reed Ave On-ramp	Basic	6,429	5,272	7,769	6,497	7,644	6,135	6,702	6,022	7,477	6,532	6,876	6,074	5,530	5,145	8,108	6,607	7,859	6,637
176 I-80 WB: Reed Ave to US 50	Merge	6,890	6,156	8,268	7,652	8,125	7,358	7,165	7,362	7,948	7,755	7,366	7,308	6,016	6,130	8,670	7,851	8,333	7,940
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	6,877	6,147	8,304	7,626	8,164	7,353	7,168	7,364	7,959	7,784	7,364	7,306	6,019	6,075	8,666	7,855	8,344	7,937
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	4,336	3,248	5,342	4,112	5,265	3,965	4,640	3,821	5,294	4,303	4,776	3,773	3,577	3,168			4,997	3,913
I-80 WB: US 50 Off to On-ramp	Basic															5,644	4,315		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	4,325	3,219	5,348	4,087	5,273	3,961	4,641	3,820	5,329	4,298	4,784	3,782	3,574	3,136			5,003	3,898

I-80/US 50 Managed Lanes  
Mainline Persons Served - Hour 4  
Horizon Year 2049

Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	9,732	9,439	10,654	9,027	10,259	8,245	9,583	7,745	9,467	7,313	10,207	9,996	6,878	5,789	10,665	8,916	10,475	9,350
102 US 50 WB: SR 51 to 16th St	Weave	12,279	12,126	14,421	11,126	13,854	10,317	12,779	9,615	13,340	8,662	13,027	12,860	8,149	6,956	13,873	10,893	14,364	11,383
103 US 50 WB: 10th St Off-ramp	Diverge	13,128	13,631	15,310	12,844	14,668	12,231	14,117	11,638	14,542	10,474	13,713	14,201	9,615	8,475	14,761	12,132	15,288	13,087
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	11,980	12,390	13,989	11,564	13,271	11,171	12,796	10,642	13,062	9,592	12,275	12,598	8,641	7,596	12,831	10,916	13,931	11,694
105 US 50 WB: 15th St to I-5	Weave	11,826	12,534	13,986	11,581	13,235	11,183	12,787	10,777	13,048	9,754	12,093	12,745	8,515	7,629	12,827	10,772	13,925	11,713
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	7,857	8,584	9,407	8,248	8,953	7,919	8,533	7,688	8,792	6,597	7,829	8,681	4,921	5,530	8,450	7,666	9,308	8,128
107 US 50 WB: 5th St On-ramp	Merge	7,813	8,620	9,363	8,228	8,988	7,905	8,518	7,654	8,788	6,604	7,799	8,756	5,878	5,961	8,439	7,677	9,305	8,143
108 US 50 WB: I-5 On-ramp	Merge	7,995	9,031	9,730	8,833	9,363	8,537	8,885	8,211	9,207	7,179	8,066	9,231	6,086	6,363	8,796	8,489	9,672	8,720
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	10,118	10,976	12,773	10,896	12,187	10,410	11,482	9,614	11,881	8,560	10,144	11,113	7,701	8,364	11,742	10,470	12,497	10,774
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtway	Basic	6,954	5,972	8,897	6,428	8,552	6,044	8,057	5,456	8,397	4,765	6,838	6,012	5,242	4,644	8,315	6,012	8,761	6,072
111 US 50 WB: Tower Bridge Gtway On-ramp	Merge	6,728	5,981																
US 50 WB: Tower Bridge Gtway to Harbor Blvd	Weave			8,842	6,431	8,462	6,056	7,844	5,450	8,293	4,791	6,586	6,016	5,139	4,643	8,295	6,018	8,586	6,083
112 US 50 WB: Tower Bridge Gtway to Lane Add	Basic	8,054	7,290																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	8,040	7,260																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	7,999	7,261																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	6,042	5,291	7,645	5,916	7,312	5,620	6,731	4,946	7,053	4,446	5,811	5,184	4,691	4,269	7,312	5,583	7,353	5,902
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	6,043	5,292	7,559	5,917	7,234	5,624	6,678	4,946	6,995	4,445	5,801	5,185	4,690	4,277	7,236	5,585	7,267	5,930
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	6,686	6,053	8,200	6,788	7,842	6,410	7,385	5,757	7,597	5,385	6,401	5,913	5,306	5,097	7,855	6,449	8,183	6,905
118 US 50 WB: I-80 EB Off-ramp	Basic	6,999	6,659	8,430	7,390	8,035	7,033	7,599	6,392	7,775	5,925	6,710	6,473	5,590	5,792	8,074	7,033	8,450	7,592
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	5,550	4,388	6,957	5,036	6,621	4,859	6,242	4,409	6,447	4,100	5,264	4,247	4,410	3,990	6,699	4,779	6,763	4,794
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	5,497	4,390	6,935	5,040	6,598	4,866	6,230	4,406	6,429	4,100	5,290	4,253	3,482	3,438	6,684	4,779	6,749	4,807
121 I-80 WB: US 50 to W Capitol Ave	Weave	5,498	4,405	6,879	5,055	6,533	4,877	6,209	4,417	6,382	4,108	5,279	4,281	4,345	4,123	6,660	4,785	6,718	4,883
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	8,533	7,341																
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic			10,404	7,783	9,914	7,580	9,596	6,567	9,859	6,874	8,790	6,725			8,383	5,756	10,373	7,673
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	8,531	7,369											7,233	6,481				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	8,527	7,391	10,397	7,828	9,943	7,607	9,597	6,581	9,854	6,899	8,787	6,809	7,235	6,486	10,692	7,317	10,369	7,720
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	9,002	7,644	10,895	8,140	10,418	7,923	10,032	6,786	10,362	7,201	9,276	7,017	7,620	6,675	11,175	7,523	10,832	8,070
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	9,501	8,085	11,401	8,562	10,979	8,332	10,627	7,182	10,920	7,662	9,810	7,444	8,072	7,026	11,731	7,907	11,350	8,648
127 I-80 WB: County Rd 32A Off-ramp	Diverge	9,479	8,101	11,356	8,632	10,926	8,442	10,617	7,259	10,918	7,798	9,755	7,538	8,102	7,075	11,683	8,034	11,333	8,689
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	8,613	6,854	10,837	7,741	10,506	7,541	10,099	6,211	10,322	6,825	9,121	6,485	7,462	6,150	11,181	7,293	10,884	7,885
129 I-80 WB: County Rd 32A On-ramp	Merge	8,619	6,823	10,873	7,745	10,543	7,547	10,097	6,253	10,312	6,836	9,125	6,523	7,497	6,153	11,184	7,299	10,881	7,891
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	8,643	6,877	10,891	7,774	10,555	7,613	10,113	6,274	10,329	6,891	9,146	6,547	7,509	6,169	11,215	7,327	10,899	7,925
131 I-80 WB: Mace Blvd Off-ramp	Diverge	8,601	6,859	10,904	7,843	10,549	7,704	10,071	6,331	10,333	6,981	9,180	6,635	7,458	6,200	11,186	7,397	10,916	7,977
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	7,537	4,791	9,383	5,154	8,967	5,016	8,553	4,237	8,896	4,765	8,010	4,630	6,430	4,285	9,584	4,819	9,366	5,160
133 I-80 WB: Mace Blvd On-ramp	Merge	7,540	4,795	9,389	5,167	8,963	5,027	8,545	4,250	8,890	4,785	8,017	4,647	6,427	4,286	9,585	4,836	9,362	5,176
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	8,018	5,243	10,058	5,607	9,572	5,468	9,160	4,678	9,508	5,209	8,665	5,105	7,114	4,711	10,228	5,318	10,039	5,633
135 I-80 WB: Lane Drop to Olive Dr	Basic																		
I-80 WB: Lane Drop to Richards Blvd	Basic	8,018	5,245	10,060	5,612	9,572	5,468	9,156	4,679	9,508	5,210	8,665	5,108	7,117	4,711	10,227	5,317	10,041	5,636
136 I-80 WB: Olive Dr Off-ramp	Diverge																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																		
I-80 WB: Richards Blvd Off-ramp	Diverge	8,002	5,268	10,015	5,647	9,567	5,508	9,162	4,717	9,493	5,242	8,700	5,145	7,110	4,732	10,222	5,361	10,074	5,665
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																		
I-80 WB: Richards Blvd Off to On-ramp	Basic	6,486	4,478	8,186	4,728	7,822	4,594	7,517	3,886	7,748	4,562	7,227	4,397	5,766	4,008	8,538	4,446	8,196	4,714
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge	6,493	4,520	8,179	4,735	7,823	4,604	7,507	3,895	7,738	4,541	7,222	4,403	5,759	4,014	8,526	4,496	8,191	4,723
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	7,416	5,451	9,026	5,727	8,621	5,569	8,269	4,848	8,514	5,516	8,146	5,396	6,752	5,024	9,393	5,375	9,050	5,744
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	7,411	5,491	9,022	5,713	8,620	5,582	8,227	4,861	8,506	5,529	8,180	5,400	6,787	5,059	9,358	5,383	9,045	5,753
145 I-80 WB: SR 113 Off-ramp	Diverge	6,590	4,864	8,184	5,124	7,797	4,962	7,460	4,270	7,694	4,933	7,375	4,854	6,105	4,359	8,489	4,703	8,180	5,083
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	5,024	3,478	6,433	3,410	6,082	3,383	5,724	2,906	5,974	3,615	5,771	3,287	4,636	3,118	6,663	3,237	6,412	3,415
147 I-80 WB: Old Davis Rd On-ramp	Merge	5,054	3,482	6,425	3,453	6,077	3,394	5,717	2,919	5,968	3,655	5,767	3,292	4,631	3,121	6,652	3,245	6,399	3,419
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	5,228	3,693	6,544	3,621	6,231	3,596	5,835	3,057	6,118	3,918	5,937	3,494	4,792	3,331	6,773	3,446	6,560	3,628
149 I-80 WB: SR 113 to Kidwell Rd	Weave	5,222	3,699	6,530	3,628	6,219	3,610	5,827	3,066	6,081	3,925	5,929	3,500	4,783	3,336	6,757	3,455	6,548	3,673
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	6,467	4,885	7,528	4,659	7,154	4,599	6,703	4,006	7,044	4,876	7,200	4,689	6,217	4,499	7,759	4,555	7,532	4,670
151 I-80 WB: Kidwell Rd On-ramp	Merge	6,464	4,900	7,515	4,680	7,104	4,615	6,679	4,021	7,042	4,930	7,151	4,701	6,217	4,509	7,709	4,572	7,521	4,720
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	6,472	4,918	7,521	4,734	7,115	4,667	6,689	4,043	7,008	4,960	7,169	4,722	6,223	4,526	7,745	4,600	7,529	4,772
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	6,470	4,918	7,513	4,738	7,115	4,669	6,690	4,044	7,005	4,962	7,168	4,723	6,223	4,527	7,741	4,603	7,525	4,743
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	6,465	4,918	7,508	4,744	7,105	4,678	6,682	4,052	6,996	4,966	7,163	4,726	6,218	4,531	7,693	4,578	7,515	4,746

I-80/US 50 Managed Lanes  
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Location	Facility Type	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	9,663	9,470	12,385	9,036	11,876	8,750	9,579	8,447	11,653	7,935	12,240	9,080	8,299	9,667	10,185	9,071	12,398	9,141
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	9,084	8,633	11,359	7,954	10,961	7,680	9,007	7,419	10,575	7,102	11,320	7,926	7,863	8,458	9,530	7,974	11,404	8,060
163 I-80 WB: Truxel Rd NB On-ramp	Basic	9,092	8,684	11,361	7,962	10,940	7,687	9,016	7,423	10,540	7,109	11,351	7,934	7,885	8,469	9,553	7,984	11,407	8,106
164 I-80 WB: Truxel Rd to I-5	Weave	9,412	9,191	11,661	8,350	11,220	8,033	9,340	7,799	10,804	7,495	11,734	8,293	8,229	8,857	9,919	8,377	11,723	8,471
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	5,697	5,120	7,006	4,635	6,735	4,481	5,810	4,364	6,342	4,425	6,877	4,472	5,161	4,665	6,122	4,711	7,025	4,671
166 I-80 WB: I-5 NB On-ramp	Merge	5,733	5,184	7,034	4,640	6,689	4,490	5,807	4,367	6,315	4,432	6,885	4,448	4,952	4,639	6,187	4,719	7,026	4,680
167 I-80 WB: I-5 to W El Camino Ave	Weave	5,902	5,415	7,193	4,857	6,841	4,670	5,965	4,537	6,489	4,611	7,058	4,622	5,317	4,825	6,456	4,928	7,192	4,856
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	7,003	6,447	8,309	5,828	8,035	5,773	7,063	5,375	7,673	5,573	8,262	5,609	6,554	5,863	8,014	5,903	8,432	5,709
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	7,002	6,465	8,336	5,835	8,030	5,800	7,063	5,379	7,663	5,577	8,271	5,630	6,592	5,818	8,088	5,910	8,391	5,716
170 I-80 WB: W El Camino EB On-ramp	Merge	7,392	7,229	8,826	6,531	8,557	6,596	7,564	6,205	8,140	6,441	8,635	6,345	6,945	6,533	8,615	6,633	8,883	6,427
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	7,911	7,652											6,999	6,562				
I-80 WB: W El Camino Ave to Reed Ave	Basic			9,434	6,991	9,171	7,096	8,270	6,723	8,820	7,031	9,187	6,813			9,341	7,047	9,499	6,884
172 I-80 WB: Lane Drop to Reed Ave	Basic	7,903	7,676											7,435	6,853				
173 I-80 WB: Reed Ave Off-ramp	Diverge	7,876	7,801	9,257	7,066	8,847	7,343	8,225	6,730	8,673	7,121	9,109	7,081	7,439	6,840	9,406	7,171	9,359	7,009
174 I-80 WB: Reed Ave Off to On-ramp	Basic	5,784	5,625	6,885	5,255	6,609	5,393	6,138	4,956	6,436	5,334	6,645	5,124	5,471	4,798	7,138	5,256	6,926	5,121
175 I-80 WB: Reed Ave On-ramp	Merge	5,792	5,739	6,700	5,291	6,436	5,382	6,126	4,877	6,350	5,293	6,610	5,104	5,472	4,839	7,146	5,301	6,792	5,100
176 I-80 WB: Reed Ave to US 50	Basic	6,324	6,869	7,163	6,260	6,841	6,353	6,596	5,620	6,744	6,161	7,112	6,084	6,011	5,924	7,730	6,307	7,303	6,131
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	6,323	6,926	7,142	6,288	6,825	6,359	6,585	5,624	6,723	6,172	7,053	6,095	6,008	5,951	7,735	6,343	7,245	6,136
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	4,198	3,927	4,794	3,829	4,647	3,828	4,539	3,329	4,741	3,798	4,890	3,528	3,883	3,281			4,620	3,425
I-80 WB: US 50 Off to On-ramp	Basic													5,431	3,782				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	4,237	3,993	4,785	3,892	4,634	3,834	4,537	3,330	4,730	3,807	4,849	3,553	3,883	3,319			4,642	3,476

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			147	555	168	590	135	255	128	437	43	37	189	307	141	573	155	610		
18 I-80 EB: Richards Blvd On-ramp	Merge	472	1,111	540	1,144	447	784	406	898	44	37	439	490	461	1,110	499	1,153				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	540	1,279	602	1,303	517	977	470	1,012	44	38	520	524	533	1,258	575	1,304				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	630	1,378	687	1,395	598	1,185	566	1,096	43	40	607	543	619	1,334	668	1,389				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	650	1,383	709	1,397	617	1,246	585	1,093	44	40	623	544	641	1,332	684	1,390				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	702	1,456	763	1,467	665	1,358	627	1,149	44	40	675	580	688	1,407	737	1,468				
23 I-80 EB: Mace Blvd NB On-ramp	Merge	719	1,472	746	1,485	680	1,376	644	1,160	44	40	726	598	703	1,418	751	1,487				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	735	1,465	778	1,484	691	1,371	656	1,161	44	40	743	661	716	1,418	766	1,484				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	777	1,318	840	1,331	730	1,241	691	1,197	53	54	733	770	753	1,297	790	1,325				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	833	1,441	913	1,468	789	1,368	744	1,327	53	54	770	816	817	1,437	857	1,463				
27 I-80 EB: County Rd 32B On-ramp	Merge	824	1,467	889	1,534	777	1,345	740	1,350	52	54	770	827	807	1,505	848	1,583				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	827	1,536	894	1,578	780	1,394	745	1,408	52	54	809	865	808	1,552	853	1,608				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	728	1,417	805	1,464	702	1,367	667	1,400	51	51	749	899	736	1,473	762	1,506				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	725	1,440	800	1,484	702	1,391	666	1,414	51	52			867	1,577	757	1,537				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic												747	871							
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic												530	781							
31 I-80 EB: Enterprise Blvd to US 50	Weave	508	1,014	555	1,049	486	1,047	461	1,148	39	49	494	746	839	1,588	544	1,100				
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic												509	648							
US 50 EB: I-80 Off to On-ramp	Basic			554	1,085	611	1,131	528	1,075	494	1,063	40	37			530	1,094	586	1,159		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic												385	692							
34 US 50 EB: I-80 to Harbor Blvd	Weave			437	1,084	466	1,122	414	1,022	388	1,002	35	37	401	709	440	1,075	450	1,111		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic			494	1,166	523	1,192	459	1,081	425	1,068	40	35	424	715	489	1,136	484	1,172		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave			488	1,166	509	1,191	461	1,081	427	1,067	32	35	425	713	487	1,138	469	1,173		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic			766	1,511	810	1,528	692	1,421	657	1,391	41	46	791	1,129	751	1,493	752	1,529		
38 US 50 EB: Jefferson Blvd On-ramp	Merge			573	1,177	585	1,218	509	1,093	494	1,089	29	43	592	924	567	1,179	568	1,204		
39 US 50 EB: S River Rd On-ramp	Merge			571	1,072	587	1,107	509	979	493	985	29	37	611	862	565	1,076	570	1,103		
40 US 50 EB: I-5 Off-ramp	Basic			600	853	621	851	529	796	516	705	30	29	635	863	603	859	605	866		
41 US 50 EB: 5th St Off-ramp	Diverge			648	860	683	864	572	827	566	707	31	30	657	800	670	870	656	875		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic			636	698	665	699	550	650	544	530	30	24	564	631	656	710	637	707		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave			425	448	797	794	721	763	526	600	501	562	301	589	642	624	807	805	805	802
45 US 50 EB: 15th St to 11th St	Basic			595	941	832	1,156	771	1,069	617	949	590	919	508	966	700	603	836	1,141	835	1,160
46 US 50 EB: 11th St On-ramp	Merge			667	972	859	1,209	815	1,128	689	1,063	681	991	569	1,069	725	650	849	1,194	862	1,219
47 US 50 EB: 16th St to SR 51/SR 99	Weave			845	1,032	981	1,277	953	1,214	849	1,161	861	1,082	747	1,146	855	788	957	1,261	992	1,286



I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	391	697		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					35	110	41	137	37	80	34	55	2	5	31	31	368	645	24	95
63 I-80 EB: US 50 to Reed Ave	Basic					118	296	133	375	101	275	104	215	5	10	204	354	337	631	117	284
64 I-80 EB: Reed Ave Off-ramp	Diverge					143	362	159	484	124	326	127	244	8	14	227	410	332	626	139	332
65 I-80 EB: Reed Ave Off to On-ramp	Basic					200	493	232	636	185	463	174	313	22	36	282	493	346	650	196	470
66 I-80 EB: Reed Ave On-ramp	Merge					283	938	326	1,077	270	826	246	504	23	37	340	665	372	944	272	893
67 I-80 EB: Reed Ave to HOV Lane Add	Basic															435	939				
I-80 EB: Reed Ave to W El Camino Ave	Basic					340	1,190	378	1,210	326	1,022	302	735	23	38			403	1,180	334	1,158
I-80 EB: HOV Lane Add to W El Camino Ave	Basic															440	790				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	8	101	45	316	363	1,091	324	1,081	188	1,026	161	389	53	245	440	789	384	1,100	352	1,125
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	16	184	94	516	367	1,102	322	965	190	725	166	425	94	462	429	736	384	1,115	359	1,135
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	19	200	98	573	285	1,108	256	967	159	748	141	379	93	522	325	555	304	1,120	275	1,137
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	23	218	112	575	278	1,045	252	921	164	721	144	402	103	529	314	535	300	1,057	270	1,071
73 I-80 EB: W El Camino Ave to I-5	Basic	28	239	139	567	280	927	257	827	175	660	157	508	123	527	308	517	301	932	269	956
74 I-80 EB: I-5 Off-ramp	Basic	29	243	143	582	280	928	257	828	176	667	158	528	125	536	309	517	301	933	270	956
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	33	377	183	677	292	947	270	848	196	718	180	644	159	633	313	558	310	953	285	974
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	77	603	268	941	308	1,095	274	998	225	925	211	840	225	857	314	529	318	1,099	298	1,133
77 I-80 EB: I-5 SB On-ramp	Merge	86	592	327	866	332	975	299	883	259	825	251	767	283	828	327	559	341	979	321	1,013
78 I-80 EB: I-5 to Truxel Rd	Weave	104	724	648	1,434	784	1,015	762	925	676	869	673	806	703	897	783	1,200	789	1,020	782	1,057
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	126	899	642	1,370	726	1,534	699	1,377	630	1,453	630	1,300	666	1,414	714	1,185	722	1,504	721	1,588
80 I-80 EB: Truxel Rd SB On-ramp	Basic	145	1,062	659	1,463	715	1,581	685	1,398	625	1,504	627	1,326	668	1,474	700	1,241	716	1,547	710	1,630
81 I-80 EB: Truxel Rd NB On-ramp	Merge	157	1,073	661	1,541	705	1,633	678	1,468	622	1,543	623	1,381	662	1,558	691	1,274	705	1,601	701	1,692
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	145	1,016	611	1,547	557	1,645	538	1,493	490	1,538	486	1,362	528	1,561	546	1,270	562	1,612	559	1,681
83 I-80 EB: Northgate Blvd Off-ramp	Basic	150	1,043	595	1,574	542	1,680	522	1,545	477	1,549	474	1,391	514	1,565	532	1,303	544	1,654	545	1,708

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			218	644	230	605	211	384	188	380	49	22	446	74	196	576	206	627		
18 I-80 EB: Richards Blvd On-ramp	Merge	634	1,030	717	962	615	788	572	623	51	22	823	145	576	937	624	1,002				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	734	1,051	806	987	711	875	665	626	50	22	907	231	675	947	713	1,024				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	803	1,048	884	993	784	943	748	625	47	24	967	234	756	953	782	1,022				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	827	1,062	911	1,015	805	966	771	639	49	23	969	262	776	968	810	1,033				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	885	1,141	980	1,086	874	1,025	832	675	50	23	1,015	289	832	1,048	871	1,116				
23 I-80 EB: Mace Blvd NB On-ramp	Merge	924	1,154	994	1,099	915	1,034	876	682	50	23	1,037	308	870	1,060	908	1,130				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	961	1,160	1,054	1,112	951	1,042	902	690	50	23	1,036	383	905	1,073	946	1,140				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	1,009	1,342	1,114	1,303	992	1,246	936	911	60	31	948	531	949	1,299	989	1,337				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	1,102	1,491	1,225	1,437	1,083	1,388	1,022	1,040	60	31	1,006	586	1,036	1,449	1,088	1,491				
27 I-80 EB: County Rd 32B On-ramp	Merge	1,088	1,550	1,188	1,488	1,076	1,431	1,014	1,055	60	31	1,075	585	1,023	1,494	1,073	1,551				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	1,133	1,607	1,252	1,523	1,111	1,457	1,059	1,057	60	31	1,167	601	1,064	1,534	1,109	1,596				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	989	1,580	1,082	1,466	966	1,410	928	1,013	57	29	1,024	601	946	1,512	981	1,564				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	991	1,593	1,085	1,476	969	1,414	929	1,019	57	30			1,083	1,543	989	1,572				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic											1,022	578								
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic											759	573								
31 I-80 EB: Enterprise Blvd to US 50	Weave	679	1,149	758	1,110	665	1,074	646	840	44	29	705	559	1,041	1,560	694	1,150				
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic											749	450								
US 50 EB: I-80 Off to On-ramp	Basic			734	1,082	836	993	720	958	676	721	46	24			672	1,024	739	1,062		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic													548	477						
34 US 50 EB: I-80 to Harbor Blvd	Weave			488	894	528	874	479	851	424	645	39	25	544	490	455	866	457	904		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic			582	968	626	953	543	916	478	708	44	24	609	504	526	915	533	968		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave			581	970	614	956	540	917	475	710	37	24	619	504	526	914	531	968		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic			1,010	1,396	1,099	1,324	932	1,307	824	1,038	52	37	1,154	912	957	1,307	1,003	1,398		
38 US 50 EB: Jefferson Blvd On-ramp	Merge			749	1,121	780	1,073	666	1,043	603	818	35	36	871	747	706	1,055	764	1,128		
39 US 50 EB: S River Rd On-ramp	Merge			743	1,026	776	971	663	938	592	729	35	30	868	698	709	959	757	1,028		
40 US 50 EB: I-5 Off-ramp	Basic			805	852	855	798	724	732	614	559	35	25	916	708	778	796	799	852		
41 US 50 EB: 5th St Off-ramp	Diverge			940	854	1,012	800	826	741	691	560	36	26	918	672	897	801	910	857		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic			830	728	869	660	709	553	581	392	31	21	715	480	798	692	805	728		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave			538	528	948	781	846	731	691	643	409	631	699	484	909	743	916	775		
45 US 50 EB: 15th St to 11th St	Basic			776	769	1,019	935	900	837	818	798	741	793	766	847	855	694	965	885	978	947
46 US 50 EB: 11th St On-ramp	Merge			822	792	1,016	978	914	886	859	881	812	857	805	878	870	732	960	922	973	985
47 US 50 EB: 16th St to SR 51/SR 99	Weave			975	817	1,105	1,007	1,024	935	986	961	981	923	952	899	986	769	1,053	950	1,059	1,018



I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	484	625		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					53	361	63	361	52	276	55	53	3	5	30	18	450	656	40	294
63 I-80 EB: US 50 to Reed Ave	Basic					194	480	219	466	176	409	169	191	9	11	326	308	415	665	192	419
64 I-80 EB: Reed Ave Off-ramp	Diverge					224	527	258	494	206	451	199	221	12	20	350	348	407	660	227	475
65 I-80 EB: Reed Ave Off to On-ramp	Basic					301	615	370	565	290	536	270	303	25	31	413	439	429	699	300	596
66 I-80 EB: Reed Ave On-ramp	Merge					396	943	493	858	411	809	379	556	26	33	478	616	471	916	400	903
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																625	875			
I-80 EB: Reed Ave to W El Camino Ave	Basic					495	1,086	583	997	510	941	478	711	27	33			539	1,042	505	1,043
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																555	681			
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	20	123	48	473	458	930	437	874	250	941	231	449	66	352	555	681	462	885	472	898
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	37	226	119	607	457	924	434	776	265	653	248	481	134	501	535	636	463	884	476	887
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	43	237	115	622	332	927	318	783	214	662	195	500	117	519	371	431	332	887	354	889
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	55	249	130	606	324	877	310	752	218	632	198	503	126	515	355	405	326	842	349	842
73 I-80 EB: W El Camino Ave to I-5	Basic	73	297	166	526	330	772	320	670	242	560	227	486	162	494	354	399	331	727	360	735
74 I-80 EB: I-5 Off-ramp	Basic	75	313	171	534	333	772	322	671	247	564	230	494	166	506	356	401	331	724	363	734
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	88	534	222	575	357	754	345	648	280	560	267	550	205	589	370	444	353	702	386	717
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	209	817	276	827	337	916	311	807	280	761	261	738	244	823	323	428	325	874	344	891
77 I-80 EB: I-5 SB On-ramp	Merge	215	700	343	750	381	802	365	695	353	661	324	623	308	742	355	461	381	763	394	787
78 I-80 EB: I-5 to Truxel Rd	Weave	289	787	869	1,342	1,109	857	1,092	749	1,045	714	1,038	665	1,022	805	1,058	1,120	1,058	814	1,121	841
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	339	938	842	1,430	1,009	1,600	992	1,446	963	1,453	957	1,292	946	1,494	957	1,200	969	1,524	1,018	1,596
80 I-80 EB: Truxel Rd SB On-ramp	Basic	377	1,115	850	1,536	981	1,648	957	1,487	942	1,491	931	1,324	929	1,543	934	1,309	945	1,575	988	1,641
81 I-80 EB: Truxel Rd NB On-ramp	Merge	394	1,175	846	1,556	964	1,666	939	1,509	923	1,498	913	1,341	913	1,554	915	1,394	927	1,598	967	1,651
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	361	1,205	774	1,530	770	1,639	750	1,480	741	1,470	732	1,329	730	1,525	736	1,401	745	1,569	770	1,627
83 I-80 EB: Northgate Blvd Off-ramp	Basic	367	1,303	752	1,519	743	1,638	726	1,467	713	1,455	709	1,323	712	1,507	714	1,405	719	1,561	743	1,621

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			201	621	218	531	195	539	173	512	46	28	646	120	183	530	205	606		
18 I-80 EB: Richards Blvd On-ramp	Merge			592	977	654	840	575	904	528	879	48	28	983	231	562	874	603	958		
19 I-80 EB: Richards Blvd to Mace Blvd	Basic			680	991	737	848	667	913	614	888	47	28	993	303	656	885	693	969		
20 I-80 EB: Mace Blvd Off-ramp	Diverge			759	972	807	837	732	902	687	875	44	29	945	304	725	883	758	963		
21 I-80 EB: Mace Blvd Off to On-ramp	Basic			786	990	838	864	752	916	708	876	45	29	931	337	754	902	781	973		
22 I-80 EB: Mace Blvd SB On-ramp	Merge			845	1,078	904	943	815	987	767	931	45	29	970	379	805	984	839	1,059		
23 I-80 EB: Mace Blvd NB On-ramp	Merge			878	1,090	910	953	847	998	800	936	45	29	982	404	831	995	875	1,073		
24 I-80 EB: Mace Blvd to County Rd 32B	Basic			911	1,102	966	962	874	1,007	833	948	45	29	981	477	868	1,004	909	1,084		
25 I-80 EB: County Rd 32B Off-ramp	Diverge			979	1,288	1,060	1,148	937	1,216	888	1,178	55	37	994	633	931	1,196	975	1,297		
26 I-80 EB: County Rd 32B Off to On-ramp	Basic			1,072	1,439	1,162	1,283	1,025	1,355	972	1,323	56	37	1,082	704	1,020	1,344	1,077	1,443		
27 I-80 EB: County Rd 32B On-ramp	Merge			1,053	1,483	1,134	1,304	1,015	1,387	969	1,351	55	37	1,167	704	1,017	1,374	1,069	1,489		
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic			1,100	1,501	1,200	1,313	1,068	1,410	1,014	1,339	55	37	1,192	726	1,069	1,386	1,120	1,508		
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge			950	1,417	1,018	1,238	915	1,332	870	1,276	51	34	1,120	718	944	1,329	962	1,456		
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic			963	1,423	1,039	1,246	927	1,339	882	1,281	51	35			1,105	1,355	967	1,469		
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													1,110	694						
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													991	688						
31 I-80 EB: Enterprise Blvd to US 50	Weave			612	948	663	877	591	902	559	839	38	31	940	666	1,052	1,372	627	995		
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic													815	506						
US 50 EB: I-80 Off to On-ramp	Basic			655	820	712	695	633	763	587	815	40	28			591	805	672	863		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic													600	488						
34 US 50 EB: I-80 to Harbor Blvd	Weave			396	643	401	533	383	542	343	646	30	27	517	479	372	619	388	655		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic			439	718	451	623	423	624	370	709	34	27	533	470	421	680	430	732		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave			441	729	446	634	424	627	366	710	26	27	546	468	420	685	427	742		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic			784	1,110	823	1,016	774	1,005	664	1,020	39	36	1,018	825	784	1,074	806	1,133		
38 US 50 EB: Jefferson Blvd On-ramp	Merge			553	856	572	822	548	799	469	757	25	34	754	653	564	832	578	864		
39 US 50 EB: S River Rd On-ramp	Merge			547	758	566	735	535	705	461	657	25	28	751	591	563	742	577	770		
40 US 50 EB: I-5 Off-ramp	Basic			586	643	619	628	567	578	482	492	25	23	797	600	633	638	625	666		
41 US 50 EB: 5th St Off-ramp	Diverge			680	656	747	648	663	596	545	501	26	22	787	568	744	653	767	687		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic			585	494	632	483	531	393	448	311	21	18	568	382	627	498	646	517		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave			536	334	682	504	638	503	465	426	375	348	353	435	533	373	710	512	740	531
45 US 50 EB: 15th St to 11th St	Basic			758	718	792	861	736	797	641	796	685	811	680	891	717	636	791	838	802	853
46 US 50 EB: 11th St On-ramp	Merge			756	747	780	921	732	875	665	908	714	893	687	942	712	665	775	909	790	920
47 US 50 EB: 16th St to SR 51/SR 99	Weave			817	822	857	995	805	956	773	1,022	824	986	775	999	793	754	824	984	853	997

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	562	622		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					90	498	96	460	82	452	81	313	5	10	57	24	526	653	63	488
63 I-80 EB: US 50 to Reed Ave	Basic					206	580	224	516	188	520	175	420	9	11	282	358	481	653	231	570
64 I-80 EB: Reed Ave Off-ramp	Diverge					248	593	270	523	224	530	209	455	12	20	318	412	470	649	274	581
65 I-80 EB: Reed Ave Off to On-ramp	Basic					330	651	390	586	312	589	291	526	24	28	391	512	482	674	360	640
66 I-80 EB: Reed Ave On-ramp	Merge					444	1,008	535	902	443	910	410	850	25	28	454	720	529	943	476	980
67 I-80 EB: Reed Ave to HOV Lane Add	Basic															617	943				
I-80 EB: Reed Ave to W El Camino Ave	Basic					556	1,149	639	1,034	539	1,034	501	967	26	29			589	1,074	586	1,116
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic															554	694				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	24	140	66	359	515	912	478	834	276	931	247	873	80	310	554	691	516	855	554	899
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	42	310	157	560	520	922	475	770	291	764	266	750	167	512	533	641	513	864	554	908
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	50	290	150	551	375	865	350	775	232	739	210	727	152	535	363	422	373	812	407	859
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	59	293	161	545	363	824	343	732	233	707	210	697	160	540	349	396	367	771	391	821
73 I-80 EB: W El Camino Ave to I-5	Basic	71	316	202	512	366	713	344	606	260	592	233	578	196	510	345	376	371	672	394	710
74 I-80 EB: I-5 Off-ramp	Basic	73	323	208	520	367	714	346	606	263	594	237	579	199	517	345	377	373	671	396	711
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	82	445	260	567	390	726	361	599	291	613	270	584	243	582	358	393	395	680	419	709
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	155	620	336	757	381	872	330	735	295	762	273	727	303	775	331	340	380	817	397	856
77 I-80 EB: I-5 SB On-ramp	Merge	162	559	415	681	439	739	379	596	378	626	339	583	372	684	353	355	448	690	446	725
78 I-80 EB: I-5 to Truxel Rd	Weave	232	636	844	1,106	1,010	778	955	647	939	670	868	620	899	747	908	794	1,027	736	1,019	768
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	266	785	833	1,173	942	1,227	895	1,101	879	1,136	819	1,044	857	1,208	843	795	952	1,203	943	1,264
80 I-80 EB: Truxel Rd SB On-ramp	Basic	288	947	848	1,288	919	1,280	875	1,134	856	1,186	806	1,082	855	1,259	830	853	919	1,258	920	1,324
81 I-80 EB: Truxel Rd NB On-ramp	Merge	306	1,001	844	1,334	903	1,342	860	1,174	841	1,220	795	1,113	851	1,309	822	906	899	1,307	902	1,359
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	284	996	767	1,314	725	1,333	694	1,168	670	1,206	626	1,101	680	1,296	656	911	716	1,295	729	1,342
83 I-80 EB: Northgate Blvd Off-ramp	Basic	290	1,012	746	1,298	702	1,328	673	1,156	650	1,197	615	1,107	664	1,283	637	916	694	1,279	703	1,325

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave																				
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic			143	821	153	713	136	682	125	642	41	44	506	138	140	731	148	801		
18 I-80 EB: Richards Blvd On-ramp	Merge			462	1,256	501	1,122	452	1,122	417	1,075	41	44	773	255	454	1,175	479	1,202		
19 I-80 EB: Richards Blvd to Mace Blvd	Basic			545	1,313	572	1,154	532	1,148	494	1,105	41	43	781	320	531	1,205	557	1,256		
20 I-80 EB: Mace Blvd Off-ramp	Diverge			618	1,270	658	1,116	608	1,107	577	1,079	39	43	761	322	613	1,164	639	1,233		
21 I-80 EB: Mace Blvd Off to On-ramp	Basic			642	1,239	684	1,108	628	1,092	594	1,056	40	42	748	340	638	1,146	664	1,213		
22 I-80 EB: Mace Blvd SB On-ramp	Merge			698	1,327	743	1,209	677	1,173	631	1,114	41	42	782	376	689	1,239	717	1,301		
23 I-80 EB: Mace Blvd NB On-ramp	Merge			720	1,343	747	1,218	707	1,182	662	1,120	41	42	803	408	718	1,252	745	1,313		
24 I-80 EB: Mace Blvd to County Rd 32B	Basic			750	1,347	798	1,227	737	1,189	695	1,119	41	42	851	484	749	1,258	777	1,319		
25 I-80 EB: County Rd 32B Off-ramp	Diverge			838	1,410	913	1,333	822	1,351	775	1,134	52	51	975	647	834	1,289	851	1,309		
26 I-80 EB: County Rd 32B Off to On-ramp	Basic			930	1,534	1,017	1,463	907	1,480	868	1,287	52	51	1,027	713	917	1,432	940	1,450		
27 I-80 EB: County Rd 32B On-ramp	Merge			920	1,574	993	1,513	901	1,534	862	1,322	52	50	1,029	714	915	1,474	931	1,494		
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic			926	1,652	1,005	1,543	910	1,576	870	1,368	52	50	1,034	744	923	1,513	939	1,536		
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge			790	1,598	863	1,417	791	1,445	747	1,384	48	46	1,030	737	809	1,534	825	1,557		
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic			790	1,603	862	1,428	789	1,449	749	1,393	48	46			951	1,571	824	1,571		
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic													1,014	702						
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic													975	692						
31 I-80 EB: Enterprise Blvd to US 50	Weave			516	883	555	843	511	838	481	784	35	33	919	668	915	1,538	550	817		
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic													705	447						
US 50 EB: I-80 Off to On-ramp	Basic			558	771	608	710	555	704	515	733	38	32			537	755	595	759		
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic													587	426						
34 US 50 EB: I-80 to Harbor Blvd	Weave			398	517	424	482	386	461	357	519	34	26	534	411	404	509	405	502		
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic			441	525	481	484	435	471	396	631	40	26	556	394	447	524	452	522		
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave			440	517	486	475	438	464	397	660	33	24	564	393	451	516	459	520		
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic			869	746	985	627	813	619	720	1,028	46	37	1,043	746	876	769	967	869		
38 US 50 EB: Jefferson Blvd On-ramp	Merge			640	546	739	417	626	437	519	754	32	31	751	568	663	576	743	677		
39 US 50 EB: S River Rd On-ramp	Merge			655	519	736	421	636	439	521	649	29	27	756	503	666	551	741	638		
40 US 50 EB: I-5 Off-ramp	Basic			740	434	832	333	704	383	575	510	29	23	808	523	746	475	830	550		
41 US 50 EB: 5th St Off-ramp	Diverge			843	484	929	358	780	410	650	507	31	25	799	498	845	519	926	596		
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic			734	343	738	253	603	265	537	295	30	18	578	336	719	360	767	393		
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave			504	156	804	365	750	279	664	221	630	235	479	247	549	322	778	388	814	403
45 US 50 EB: 15th St to 11th St	Basic			696	674	835	814	751	482	678	215	715	433	690	785	680	273	804	608	838	675
46 US 50 EB: 11th St On-ramp	Merge			695	703	811	891	740	580	680	289	727	569	691	907	678	272	782	703	812	791
47 US 50 EB: 16th St to SR 51/SR 99	Weave			745	824	857	1,007	807	740	751	378	814	758	762	1,037	756	302	830	874	846	950

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																	471	835		
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge					58	406	68	530	58	471	48	466	4	15	35	89	440	879	40	430
63 I-80 EB: US 50 to Reed Ave	Basic					129	666	146	649	123	640	109	598	6	16	173	507	405	879	116	657
64 I-80 EB: Reed Ave Off-ramp	Diverge					159	748	184	664	154	665	134	620	10	26	212	579	395	874	143	711
65 I-80 EB: Reed Ave Off to On-ramp	Basic					229	816	279	727	226	727	194	677	22	35	267	638	401	903	211	772
66 I-80 EB: Reed Ave On-ramp	Merge					326	1,297	401	1,229	343	1,200	303	1,123	24	35	337	858	439	1,271	308	1,257
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																539	960			
I-80 EB: Reed Ave to W El Camino Ave	Basic					434	1,410	511	1,305	442	1,265	400	1,190	25	35			504	1,354	432	1,366
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																512	751			
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	13	88	70	148	441	1,145	419	1,035	243	1,082	216	1,037	78	190	512	748	455	1,099	442	1,135
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	27	175	152	367	443	1,145	418	953	249	876	223	854	145	418	498	692	454	1,100	447	1,140
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	33	185	157	315	353	958	339	901	211	784	196	745	147	349	379	444	362	892	356	975
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	37	197	169	305	345	892	333	847	215	747	197	704	155	335	367	409	356	832	350	911
73 I-80 EB: W El Camino Ave to I-5	Basic	45	210	202	316	342	790	334	720	226	664	213	624	182	355	356	378	353	744	351	804
74 I-80 EB: I-5 Off-ramp	Basic	46	212	207	323	342	791	336	720	229	667	215	628	187	361	355	379	353	747	354	806
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	52	278	259	426	358	824	351	728	257	706	239	675	232	460	360	389	371	783	365	846
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	117	398	359	490	377	910	349	839	289	827	271	773	308	552	349	298	380	862	378	930
77 I-80 EB: I-5 SB On-ramp	Merge	124	374	436	518	405	765	375	657	330	674	317	645	369	567	367	311	399	729	405	776
78 I-80 EB: I-5 to Truxel Rd	Weave	163	455	835	861	932	790	904	673	810	702	792	670	849	632	889	666	916	756	947	806
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	195	563	823	838	859	1,001	842	890	764	903	750	890	811	908	811	653	853	970	877	1,007
80 I-80 EB: Truxel Rd SB On-ramp	Basic	219	675	845	884	848	1,003	826	887	758	895	747	887	814	917	792	684	836	974	855	1,007
81 I-80 EB: Truxel Rd NB On-ramp	Merge	234	703	841	885	839	971	814	864	753	871	737	871	806	905	779	686	822	952	845	993
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	221	684	778	855	693	885	664	787	623	809	602	798	669	864	638	649	686	886	697	918
83 I-80 EB: Northgate Blvd Off-ramp	Basic	229	667	750	836	674	850	640	750	604	773	586	757	647	840	618	628	663	852	675	894

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			1,241	1,121	1,188	1,367	1,044	1,237	958	622	909	575	1,146	1,013	967	826	1,122	1,371	1,145	1,109
102 US 50 WB: SR 51 to 16th St	Weave			1,321	1,188	1,326	1,418	1,135	1,283	1,056	769	1,020	816	1,237	1,115	972	828	1,253	1,429	1,271	1,277
103 US 50 WB: 10th St Off-ramp	Diverge			1,266	1,158	1,265	1,276	1,080	1,181	1,017	944	1,000	940	1,253	1,151	984	829	1,229	1,246	1,248	1,252
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			1,248	1,158	1,236	1,280	1,062	1,183	994	951	984	951	1,256	1,160	989	830	1,210	1,233	1,227	1,258
105 US 50 WB: 15th St to I-5	Weave			963	945	824	991	725	964	662	798	665	741	1,102	1,030	1,014	836	787	794	849	1,052
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					905	1,063	876	1,071	632	780	688	723	189	212	691	570	847	780	919	1,047
107 US 50 WB: 5th St On-ramp	Merge					871	691	848	722	625	558	669	493	169	143	1,029	611	823	537	889	674
108 US 50 WB: I-5 On-ramp	Merge					826	684	809	721	614	572	654	503	168	137	995	732	784	600	846	661
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					873	740	866	785	687	620	705	518	183	143	969	655	824	696	898	701
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					903	740	897	786	716	620	731	520	184	143	955	656	846	700	925	703
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					796	592	807	640	745	514	683	453	191	120	969	473	748	601	804	602
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					764	422	764	462	857	364	711	323	156	84	751	317	718	431	770	705
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					761	415	748	451	864	356	722	320	149	83	740	313	704	425	760	671
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					801	424	799	464	886	360	791	329	150	84	738	310	756	444	819	692
118 US 50 WB: I-80 EB Off-ramp	Basic					927	526	928	564	878	405	885	391	149	92	735	310	863	534	987	750
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					1,016	548	1,019	588	872	394	931	382	158	85	712	280	941	551	1,057	783
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					1,083	528	1,090	574	909	396	982	385	176	84	545	387	981	523	1,113	691
121 I-80 WB: US 50 to W Capitol Ave	Weave					1,056	537	1,064	614	849	423	933	453	180	93	777	403	975	544	1,093	602
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															1,018	622				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					1,218	741	1,231	882	960	596	1,066	770	206	120			2,009	1,337	1,233	705
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															1,095	704				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					1,287	763	1,306	895	1,015	620	1,127	796	217	130	1,133	761	1,980	1,200	1,304	743
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,318	800	1,334	916	1,034	635	1,150	820	221	135	1,180	817	1,929	1,172	1,328	781
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,309	883	1,319	997	1,024	718	1,142	901	228	152	1,210	908	1,747	1,064	1,312	880
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,251	929	1,250	1,018	981	782	1,090	926	216	158	1,178	843	1,422	908	1,254	912
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,254	921	1,266	1,011	991	782	1,100	930	222	163	1,176	837	1,433	898	1,264	898
129 I-80 WB: County Rd 32A On-ramp	Merge					1,231	905	1,242	990	969	765	1,071	904	221	162	1,128	804	1,408	883	1,237	879
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,218	888	1,236	973	968	753	1,074	891	221	163	1,126	799	1,398	866	1,226	862
131 I-80 WB: Mace Blvd Off-ramp	Diverge					1,051	669	1,053	748	815	583	906	715	208	140	989	663	1,170	663	1,058	662
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					1,025	658	1,018	734	797	575	893	702	208	141	940	636	1,131	650	1,028	654
133 I-80 WB: Mace Blvd On-ramp	Merge					986	641	969	713	767	561	856	680	207	142	905	616	1,062	628	983	635
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					980	643	968	717	769	565	858	682	208	143	940	661	1,051	634	979	637
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					981	647	968	718	775	568	861	681	211	145	943	664	1,054	637	984	640
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					881	588	869	647	703	520	771	627	200	133	868	606	942	575	880	585
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					902	595	884	653	728	521	783	628	202	134	879	608	963	585	912	590
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 1  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	849	743	1,249	1,007	1,323	1,098	1,174	1,027	1,147	962	1,102	906	1,293	1,061	1,353	1,080	1,285	1,087	1,321	1,085
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	811	694	1,384	1,194	1,477	1,233	1,317	1,156	1,270	1,090	1,224	1,010	1,438	1,210	1,603	1,260	1,427	1,242	1,478	1,243
163 I-80 WB: Truxel Rd NB On-ramp	Basic	490	364	1,264	1,023	1,348	1,081	1,195	1,009	1,154	950	1,110	878	1,290	1,047	1,517	1,092	1,291	1,083	1,343	1,091
164 I-80 WB: Truxel Rd to I-5	Weave	446	337	1,187	931	1,251	1,005	1,104	940	1,070	893	1,027	829	1,190	976	1,464	1,027	1,188	1,009	1,242	1,022
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	472	346	993	517	922	512	739	490	739	426	725	421	796	491	1,058	469	717	503	857	509
166 I-80 WB: I-5 NB On-ramp	Merge	436	317	1,058	539	983	523	795	496	784	438	772	430	854	501	1,023	474	716	514	930	520
167 I-80 WB: I-5 to W El Camino Ave	Weave	433	320	1,096	547	988	496	805	470	796	415	765	412	895	476	1,073	462	698	488	936	496
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	446	344	1,120	582	1,193	553	950	523	932	467	900	482	1,149	514	1,026	768	921	545	1,099	548
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	452	350	1,126	589	1,247	563	990	530	955	475	922	496	1,185	522	1,032	861	972	554	1,149	560
170 I-80 WB: W El Camino EB On-ramp	Merge	503	364	1,159	627	1,312	622	1,056	590	990	525	964	564	1,221	555	1,133	991	1,051	592	1,235	615
171 I-80 WB: W El Camino Ave to Lane Drop	Basic														1,168	990					
171 I-80 WB: W El Camino Ave to Reed Ave	Basic					1,280	694	1,237	686	1,096	458	1,152	535	849	147			928	672	1,238	691
172 I-80 WB: Lane Drop to Reed Ave	Basic														1,325	1,184					
173 I-80 WB: Reed Ave Off-ramp	Diverge					1,130	737	1,215	783	1,043	595	1,167	727	224	126	1,192	1,268	1,014	697	1,130	746
174 I-80 WB: Reed Ave Off to On-ramp	Basic					946	796	979	845	908	611	963	765	224	148	1,070	1,073	996	778	909	819
175 I-80 WB: Reed Ave On-ramp	Merge					861	705	877	733	835	520	858	663	208	119	904	977	820	575	816	712
176 I-80 WB: Reed Ave to US 50	Basic					826	874	843	916	772	656	798	830	197	144	847	997	792	561	775	849
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	806	563		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																	991	763		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			1,052	1,194	1,331	1,316	1,063	1,055	932	993	928	953	1,091	1,217	558	690	1,233	1,325	1,307	1,278
102 US 50 WB: SR 51 to 16th St	Weave			1,089	1,233	1,438	1,356	1,150	1,081	1,004	1,019	996	973	1,143	1,255	544	681	1,328	1,370	1,414	1,316
103 US 50 WB: 10th St Off-ramp	Diverge			1,115	1,190	1,334	1,333	1,071	1,108	958	1,054	946	996	1,153	1,234	547	669	1,257	1,269	1,325	1,323
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			1,124	1,192	1,296	1,352	1,048	1,127	941	1,074	922	1,013	1,170	1,245	545	667	1,227	1,269	1,291	1,339
105 US 50 WB: 15th St to I-5	Weave			1,054	970	832	1,291	674	1,138	591	1,082	584	1,015	1,139	1,175	592	668	794	999	839	1,334
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					795	1,163	761	1,044	565	821	633	761	156	208	393	466	781	1,050	835	1,041
107 US 50 WB: 5th St On-ramp	Merge					762	824	733	675	565	564	596	503	132	139	641	499	740	951	801	704
108 US 50 WB: I-5 On-ramp	Merge					733	779	707	664	577	541	586	490	126	134	632	630	716	867	766	670
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					807	839	787	728	667	585	656	500	151	146	619	623	799	918	843	723
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					835	840	814	729	692	586	687	503	153	147	583	623	829	916	865	728
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					703	590	694	559	724	430	601	381	165	106	607	450	695	629	701	676
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					653	503	636	485	728	334	592	291	139	77	497	318	632	565	643	693
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					636	500	618	498	718	333	588	289	134	79	501	315	626	563	638	641
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					657	542	630	552	741	366	606	295	134	84	504	312	660	613	657	640
118 US 50 WB: I-80 EB Off-ramp	Basic					762	666	741	716	757	471	669	357	131	109	510	325	745	734	745	710
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					854	710	835	761	758	487	749	368	134	111	485	312	823	772	828	756
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					915	685	892	715	799	491	807	406	160	113	382	396	858	696	884	699
121 I-80 WB: US 50 to W Capitol Ave	Weave					963	658	932	680	760	503	818	462	173	118	612	467	900	654	910	623
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															770	757				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					1,131	798	1,127	823	846	637	952	630	188	139			1,758	1,416	1,085	688
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															842	842				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					1,205	866	1,201	859	891	679	1,016	679	198	152	868	881	1,762	1,274	1,164	749
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,237	935	1,230	907	910	730	1,038	729	203	161	928	936	1,751	1,255	1,196	822
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,238	1,014	1,224	999	911	826	1,039	838	208	176	983	986	1,591	1,167	1,207	950
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,238	964	1,188	1,006	917	799	998	845	210	162	957	849	1,309	950	1,225	928
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,256	962	1,199	993	921	795	1,022	841	216	165	959	847	1,333	942	1,222	926
129 I-80 WB: County Rd 32A On-ramp	Merge					1,215	938	1,168	966	900	782	986	814	214	166	904	800	1,291	921	1,186	905
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,194	922	1,149	951	888	767	969	806	215	167	889	795	1,266	907	1,163	893
131 I-80 WB: Mace Blvd Off-ramp	Diverge					996	655	976	695	763	560	824	589	193	130	776	610	1,052	659	981	649
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					970	644	951	675	750	555	809	580	195	132	747	583	1,013	645	958	638
133 I-80 WB: Mace Blvd On-ramp	Merge					929	622	917	655	731	534	786	571	191	135	730	560	966	618	917	617
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					938	626	928	656	741	538	794	576	198	137	782	600	977	621	933	620
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					946	628	933	659	745	540	798	578	197	137	786	602	982	624	938	621
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					841	552	830	577	658	474	719	521	179	123	712	559	868	551	839	548
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					880	555	866	586	678	477	742	523	183	124	726	559	918	559	866	555
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				



I-80/US 50 Managed Lanes  
 Managed Lane Volume - Hour 2  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,077	769	1,258	1,108	1,388	1,141	1,159	1,073	1,007	985	1,075	941	1,551	1,119	1,159	1,170	1,439	1,124	1,388	1,157
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	1,026	726	1,224	1,264	1,386	1,278	1,164	1,178	967	1,102	1,055	1,034	1,563	1,243	1,128	1,369	1,548	1,281	1,404	1,310
163 I-80 WB: Truxel Rd NB On-ramp	Basic	599	395	1,184	1,073	1,330	1,112	1,133	1,013	944	952	1,028	889	1,486	1,068	1,098	1,209	1,405	1,096	1,349	1,145
164 I-80 WB: Truxel Rd to I-5	Weave	530	363	1,103	980	1,279	1,038	1,080	942	899	895	978	830	1,412	990	1,046	1,136	1,275	1,026	1,300	1,066
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	598	376	761	557	1,032	510	821	467	656	451	694	423	1,032	495	731	729	748	489	1,061	500
166 I-80 WB: I-5 NB On-ramp	Merge	510	352	780	580	1,078	520	858	477	683	459	721	431	1,075	502	673	795	750	502	1,103	512
167 I-80 WB: I-5 to W El Camino Ave	Weave	498	356	787	609	1,079	505	860	464	689	447	729	426	1,080	485	747	864	737	488	1,104	494
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	517	381	824	865	1,016	581	812	536	672	523	698	502	1,007	585	704	951	1,080	577	1,046	582
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	524	387	833	943	1,026	592	821	551	685	539	710	513	1,017	602	712	964	1,116	594	1,058	594
170 I-80 WB: W El Camino EB On-ramp	Merge	593	407	882	1,017	1,047	671	844	628	709	604	736	582	1,027	679	844	1,025	1,168	653	1,075	665
171 I-80 WB: W El Camino Ave to Lane Drop	Basic														843	992					
171 I-80 WB: W El Camino Ave to Reed Ave	Basic					1,033	764	1,022	791	886	554	979	566	701	321			1,004	764	1,055	761
172 I-80 WB: Lane Drop to Reed Ave	Basic															1,066	1,182				
173 I-80 WB: Reed Ave Off-ramp	Diverge					1,077	864	1,142	1,089	887	804	1,037	801	184	174	986	1,256	1,147	884	1,080	882
174 I-80 WB: Reed Ave Off to On-ramp	Basic					963	984	996	1,066	785	846	897	870	187	189	891	1,055	1,101	1,017	977	1,004
175 I-80 WB: Reed Ave On-ramp	Merge					915	798	926	832	741	662	842	682	160	135	715	957	748	683	910	795
176 I-80 WB: Reed Ave to US 50	Basic					886	894	899	937	696	737	812	783	147	145	697	978	667	624	881	875
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	668	615		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																	818	771		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			1,053	1,241	1,255	1,285	1,050	1,124	962	964	940	870	1,068	1,257	688	715	1,083	1,178	1,265	1,224
102 US 50 WB: SR 51 to 16th St	Weave			1,106	1,281	1,335	1,317	1,122	1,153	1,035	978	1,012	881	1,122	1,304	697	706	1,153	1,211	1,352	1,256
103 US 50 WB: 10th St Off-ramp	Diverge			1,073	1,202	1,264	1,273	1,057	1,128	996	993	977	898	1,104	1,206	717	698	1,121	1,216	1,274	1,234
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			1,055	1,213	1,227	1,296	1,033	1,145	972	1,007	958	912	1,085	1,222	719	697	1,095	1,230	1,234	1,247
105 US 50 WB: 15th St to I-5	Weave			876	1,036	772	1,267	645	1,107	612	1,015	593	916	826	1,130	747	695	668	1,207	777	1,189
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					677	1,168	625	1,215	461	780	480	654	137	224	484	488	554	1,059	667	1,048
107 US 50 WB: 5th St On-ramp	Merge					647	1,067	600	1,036	446	534	458	422	121	206	779	529	534	1,023	636	920
108 US 50 WB: I-5 On-ramp	Merge					622	873	591	909	440	514	452	414	116	170	703	684	525	835	604	795
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					718	883	714	938	497	565	517	424	148	184	692	656	593	856	672	833
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					744	880	737	935	516	565	533	426	153	184	688	658	604	854	695	841
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					607	582	610	646	504	408	490	333	171	125	729	451	511	578	582	829
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					564	533	559	550	555	329	487	276	144	90	592	316	494	507	550	712
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					555	523	549	538	562	326	480	275	141	90	583	319	489	501	541	663
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					561	548	557	565	595	338	487	285	141	92	578	343	499	532	550	663
118 US 50 WB: I-80 EB Off-ramp	Basic					630	654	625	685	644	415	548	365	138	106	578	395	564	637	623	740
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					711	693	703	721	684	424	616	376	141	107	546	443	636	676	709	798
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					754	716	741	767	725	471	648	437	160	121	393	590	638	685	773	779
121 I-80 WB: US 50 to W Capitol Ave	Weave					829	747	799	817	720	516	700	532	165	147	608	631	684	685	832	729
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															791	736				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					1,078	861	1,100	981	837	626	932	759	183	162			1,566	1,380	1,074	813
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															857	807				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					1,157	920	1,191	1,059	883	700	1,003	870	194	169	884	833	1,423	1,307	1,146	914
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,184	984	1,222	1,121	903	779	1,027	943	199	174	941	881	1,439	1,329	1,172	999
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,192	1,029	1,223	1,164	907	875	1,035	995	207	182	978	935	1,380	1,276	1,187	1,054
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,195	947	1,204	1,027	901	793	1,004	887	200	165	950	829	1,222	981	1,195	952
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,198	949	1,206	1,030	910	794	1,018	887	208	173	948	827	1,227	982	1,200	944
129 I-80 WB: County Rd 32A On-ramp	Merge					1,169	921	1,178	992	885	770	984	859	208	172	905	785	1,195	953	1,171	917
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,147	900	1,164	968	873	751	970	836	209	172	893	769	1,167	931	1,159	900
131 I-80 WB: Mace Blvd Off-ramp	Diverge					963	606	963	664	728	512	801	576	183	127	763	572	971	644	957	616
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					946	593	938	649	717	505	783	562	183	127	732	545	945	636	937	606
133 I-80 WB: Mace Blvd On-ramp	Merge					909	573	898	627	688	493	756	549	181	128	705	530	904	609	895	587
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					926	573	909	627	701	495	776	554	188	130	782	570	925	607	904	587
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					928	574	912	628	707	496	783	558	191	130	788	568	929	609	911	589
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					795	509	794	555	594	441	664	503	165	122	676	510	796	527	801	519
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					862	512	873	559	636	451	716	503	176	123	695	516	865	534	869	523
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
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 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,127	785	1,605	1,113	1,827	1,173	1,647	1,093	1,434	1,001	1,475	953	1,809	1,133	1,389	1,595	1,481	1,154	1,841	1,171
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	1,119	700	1,503	1,207	1,714	1,258	1,557	1,170	1,321	1,069	1,345	1,016	1,707	1,213	1,274	1,507	1,592	1,228	1,742	1,255
163 I-80 WB: Truxel Rd NB On-ramp	Basic	747	359	1,440	1,008	1,609	1,051	1,430	976	1,249	889	1,236	857	1,617	1,013	1,226	1,369	1,429	1,033	1,638	1,059
164 I-80 WB: Truxel Rd to I-5	Weave	628	331	1,306	917	1,531	977	1,347	908	1,172	831	1,158	804	1,518	939	1,143	1,252	1,313	960	1,573	985
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	666	347	932	648	1,248	546	1,054	504	872	445	861	436	1,108	508	829	851	929	531	1,286	537
166 I-80 WB: I-5 NB On-ramp	Merge	560	304	951	748	1,293	551	1,131	513	894	449	925	443	1,132	513	778	868	1,079	540	1,339	541
167 I-80 WB: I-5 to W El Camino Ave	Weave	543	306	954	843	1,291	516	1,132	499	899	414	942	415	1,135	485	846	890	1,178	504	1,336	509
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	546	325	982	955	1,180	596	1,025	636	833	484	871	499	1,049	643	769	864	1,142	573	1,223	577
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	551	332	987	964	1,189	611	1,032	666	841	495	881	511	1,060	719	774	873	1,158	586	1,231	592
170 I-80 WB: W El Camino EB On-ramp	Merge	611	347	1,031	984	1,210	686	1,054	746	863	561	900	590	1,073	828	879	938	1,181	635	1,250	665
171 I-80 WB: W El Camino Ave to Lane Drop	Basic															909	890				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic					1,117	777	1,137	944	993	515	1,072	578	716	576			1,013	745	1,150	770
172 I-80 WB: Lane Drop to Reed Ave	Basic															1,108	1,098				
173 I-80 WB: Reed Ave Off-ramp	Diverge					1,289	975	1,354	1,187	1,055	750	1,253	840	207	173	1,036	1,167	1,208	880	1,325	944
174 I-80 WB: Reed Ave Off to On-ramp	Basic					1,253	1,051	1,265	1,070	944	797	1,106	901	203	182	937	946	1,152	1,006	1,272	1,031
175 I-80 WB: Reed Ave On-ramp	Merge					1,180	855	1,222	799	879	601	1,035	685	150	125	746	901	792	623	1,180	817
176 I-80 WB: Reed Ave to US 50	Basic					1,100	902	1,161	870	792	668	960	766	146	129	716	908	704	564	1,105	881
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	706	557		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																	886	697		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge			1,209	1,228	1,087	1,251	996	1,088	944	978	736	930	1,230	1,254	1,017	836	1,224	1,216	1,014	1,291
102 US 50 WB: SR 51 to 16th St	Weave			1,272	1,265	1,244	1,285	1,101	1,113	1,031	999	884	940	1,306	1,300	1,037	834	1,303	1,252	1,199	1,331
103 US 50 WB: 10th St Off-ramp	Diverge			1,225	1,246	1,238	1,273	1,082	1,133	1,006	982	925	939	1,278	1,219	1,066	835	1,252	1,247	1,211	1,265
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic			1,206	1,260	1,217	1,297	1,064	1,150	989	992	918	946	1,257	1,235	1,073	837	1,222	1,265	1,194	1,272
105 US 50 WB: 15th St to I-5	Weave			970	1,158	795	1,270	692	1,132	631	880	614	885	955	1,097	1,077	838	758	1,253	804	1,101
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic					799	1,119	761	1,173	554	700	593	651	161	200	679	583	703	1,055	786	997
107 US 50 WB: 5th St On-ramp	Merge					764	1,073	730	1,114	543	530	576	424	143	184	992	627	675	1,049	750	859
108 US 50 WB: I-5 On-ramp	Merge					728	828	698	872	543	496	562	407	145	143	894	742	639	802	711	722
109 US 50 WB: Jefferson Blvd Off-ramp	Basic					800	809	769	858	617	525	618	392	163	153	852	647	684	771	770	746
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic					826	807	798	857	636	524	642	392	164	153	844	646	699	771	788	746
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					768	537	745	571	679	384	661	303	171	113	863	437	636	510	788	510
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic					923	354	886	388	788	266	809	221	151	77	705	295	761	346	915	354
116 US 50 WB: Harbor Blvd NB On-ramp	Basic					923	348	905	385	783	265	819	219	148	76	702	296	772	343	916	359
117 US 50 WB: Harbor Blvd SB On-ramp	Merge					966	351	954	387	806	270	859	223	150	77	702	302	822	345	952	393
118 US 50 WB: I-80 EB Off-ramp	Basic					1,019	395	1,010	440	833	306	902	263	151	82	701	332	896	394	1,002	495
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic					1,053	376	1,060	427	845	294	936	251	157	76	679	333	947	378	1,026	540
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic					1,112	376	1,122	431	896	294	983	251	180	75	496	449	983	366	1,078	533
121 I-80 WB: US 50 to W Capitol Ave	Weave					1,102	422	1,104	470	878	318	963	278	188	86	724	490	955	403	1,090	548
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic															943	664				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					1,225	591	1,236	653	978	390	1,080	410	204	111			1,770	978	1,223	645
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic															1,010	728				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge					1,288	633	1,297	704	1,029	414	1,135	457	214	115	1,037	754	1,728	896	1,288	696
125 I-80 WB: W Capitol Ave WB On-ramp	Merge					1,316	666	1,319	728	1,049	423	1,155	475	218	118	1,091	787	1,716	874	1,311	720
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic					1,291	741	1,293	809	1,042	504	1,133	560	225	130	1,113	837	1,571	811	1,287	778
127 I-80 WB: County Rd 32A Off-ramp	Diverge					1,253	788	1,238	844	1,017	574	1,097	657	220	126	1,057	756	1,314	726	1,270	801
128 I-80 WB: County Rd 32A Off to On-ramp	Basic					1,251	787	1,247	841	1,022	574	1,103	657	225	128	1,057	758	1,320	720	1,265	799
129 I-80 WB: County Rd 32A On-ramp	Merge					1,227	769	1,221	819	1,001	562	1,076	644	224	129	1,014	719	1,283	703	1,236	781
130 I-80 WB: County Rd 32A to Mace Blvd	Basic					1,222	756	1,204	803	991	559	1,063	634	223	130	1,004	704	1,268	694	1,225	766
131 I-80 WB: Mace Blvd Off-ramp	Diverge					1,037	487	1,045	522	834	387	898	434	201	98	874	498	1,072	446	1,041	500
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic					1,011	482	1,020	515	821	382	873	428	200	99	835	478	1,033	440	1,013	492
133 I-80 WB: Mace Blvd On-ramp	Merge					971	472	973	505	778	378	843	419	197	100	806	455	979	433	967	481
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic					991	474	989	504	801	378	864	425	204	101	881	475	1,001	435	984	485
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic					997	475	996	505	804	379	869	427	207	101	887	476	1,003	439	990	485
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge					864	401	872	417	698	318	747	377	179	93	775	417	892	378	877	416
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic					941	404	948	423	747	321	816	380	188	93	792	422	953	383	944	422
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave																				
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave																				
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	643	588	1,550	1,243	1,866	859	1,614	801	1,434	739	1,561	703	1,854	827	1,479	1,629	1,099	854	1,918	853
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	611	533	1,477	1,250	1,819	990	1,601	933	1,360	876	1,531	818	1,783	958	1,392	1,491	1,255	1,002	1,870	994
163 I-80 WB: Truxel Rd NB On-ramp	Basic	328	257	1,370	1,120	1,585	850	1,378	798	1,276	755	1,329	692	1,572	809	1,313	1,359	1,114	857	1,653	858
164 I-80 WB: Truxel Rd to I-5	Weave	311	240	1,240	1,035	1,496	808	1,259	758	1,171	719	1,217	667	1,449	771	1,209	1,233	1,041	815	1,544	817
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	327	244	835	701	1,146	374	880	336	809	302	836	291	1,060	349	814	741	636	370	1,178	364
166 I-80 WB: I-5 NB On-ramp	Merge	294	218	860	741	1,251	385	980	345	831	310	902	302	1,129	358	769	755	711	381	1,258	374
167 I-80 WB: I-5 to W El Camino Ave	Weave	295	222	863	763	1,274	354	1,043	352	839	287	941	283	1,134	331	835	773	740	354	1,278	345
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	315	236	885	812	1,192	396	1,013	449	798	331	903	330	1,063	394	775	747	814	396	1,223	389
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	320	238	891	823	1,200	405	1,023	478	808	337	909	341	1,074	414	781	757	834	404	1,232	396
170 I-80 WB: W El Camino EB On-ramp	Merge	337	244	929	850	1,219	449	1,047	548	829	385	931	398	1,088	466	889	818	873	432	1,249	437
171 I-80 WB: W El Camino Ave to Lane Drop	Basic														882	784					
171 I-80 WB: W El Camino Ave to Reed Ave	Basic					1,151	497	1,167	727	1,012	326	1,116	348	729	213			756	489	1,184	490
172 I-80 WB: Lane Drop to Reed Ave	Basic															1,068	975				
173 I-80 WB: Reed Ave Off-ramp	Diverge					1,195	567	1,237	891	1,027	434	1,186	506	197	111	1,003	1,054	871	525	1,249	540
174 I-80 WB: Reed Ave Off to On-ramp	Basic					1,059	602	1,056	807	912	450	1,032	529	194	123	893	839	862	591	1,128	580
175 I-80 WB: Reed Ave On-ramp	Merge					972	568	952	627	869	376	939	443	162	90	734	799	657	418	1,019	512
176 I-80 WB: Reed Ave to US 50	Basic					900	673	882	710	771	451	826	538	155	99	710	812	611	385	935	602
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																	614	385		
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																	796	547		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	76	140	75	141	83	146	79	140	78	140	80	138	75	138	76	142	78	140	104	169
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	36	61	34	61	35	61	35	61	35	61	34	61	34	61	35	61	36	61	36	62
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	405	555	518	803	552	982	558	996	544	959	550	808	464	768	447	736	551	988	561	972
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	229	624	268	748	285	789	288	790	286	758	285	737	252	597	242	452	297	783	296	785
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	126	353	179	425	183	531	184	509	193	470	187	356	160	426	159	411	189	520	190	516
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	331	620	453	851	460	791	458	776	452	793	458	825	460	767	402	500	458	761	465	770
23 I-80 EB: Mace Blvd NB On-ramp	Merge	233	408	315	427	331	556	332	560	326	521	337	585	299	430	228	411	333	572	331	556
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	62	493	202	675	116	556	121	603	124	423	118	579	145	647	187	428	126	665	112	653
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	400	1,022	948	1,290	998	1,269	973	1,274	971	1,244	963	1,246	1,000	1,289	977	1,211	989	1,266	440	1,164
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	770	1,588	996	1,753	1,072	1,853	1,038	1,882	973	1,794	955	1,823	943	1,822	963	1,839	1,064	1,870	1,215	1,893
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	687	1,312	950	1,579	911	1,437	900	1,418	889	1,523	890	1,549	897	1,419	909	1,441	925	1,435	951	1,439
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	954	1,337	1,564	1,557	1,567	1,559	1,566	1,562	1,569	1,560	1,568	1,559	1,564	1,561	1,564	1,482	1,571	1,561	1,567	1,560
39 US 50 EB: S River Rd On-ramp	Merge	535	748	691	655	672	678	657	676	658	677	662	664	684	659	635	632	653	679	687	670
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,627	2,959	4,664	3,420	4,547	3,118	4,688	3,030	4,747	3,626	4,658	2,998	4,687	3,700	4,765	3,902	4,603	3,290	4,557	3,272
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	291	835	493	1,019	433	1,061	473	1,018	358	924	417	883	493	1,026	514	1,029	409	918	458	924
47 US 50 EB: 16th St to SR 51/SR 99	Weave	238	595	237	723	224	665	210	679	272	595	212	554	237	729	256	599	241	737	240	592

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,064	1,465	1,232	1,731	1,229	1,739	1,224	1,686	1,201	1,783	1,178	1,755	1,196	1,773	1,170	1,766	1,220	1,746	1,387	1,733
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	301	1,251	546	1,419	474	1,220	476	938	481	1,164	476	1,458	518	1,431	496	1,422	490	1,250	517	1,225
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	344	371	348	385	341	369	347	362	348	370	342	380	346	378	347	386	348	375	341	370
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	175	473	297	598	289	544	277	514	279	522	279	580	292	585	290	675	280	532	283	537
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	541	980	670	1,076	591	1,001	590	1,012	595	973	571	980	618	1,051	618	1,068	605	1,006	576	998
78 I-80 EB: I-5 to Truxel Rd	Weave	1,604	2,700	1,810	2,781	1,732	2,889	1,694	2,896	1,636	2,866	1,621	2,896	1,728	2,783	1,758	2,832	1,710	2,888	1,723	2,891
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	237	628	279	600	270	597	268	575	267	623	268	619	273	600	272	620	272	582	268	601
81 I-80 EB: Truxel Rd NB On-ramp	Merge	354	383	566	502	549	470	526	513	539	565	523	526	524	499	551	508	539	471	537	484
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	205	119	206	112	209	119	205	119	205	117	206	119	204	112	205	64	205	117	207	118
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	50	71	51	72	50	73	52	73	52	73	53	74	52	73	51	72	52	72	52	73
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	883	356	1,077	568	1,079	765	1,121	728	1,100	703	1,099	501	965	496	973	605	1,068	764	1,067	733
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	361	550	411	598	450	651	454	652	450	617	437	565	409	583	407	158	443	648	440	652
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	239	368	349	458	372	586	386	591	380	524	385	423	312	445	313	441	382	610	386	598
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	680	647	804	640	710	682	716	630	704	598	701	570	677	654	648	381	700	656	718	662
23 I-80 EB: Mace Blvd NB On-ramp	Merge	407	489	442	518	549	682	545	685	544	631	544	634	504	523	412	469	543	691	552	673
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	294	629	561	681	474	651	463	643	456	630	457	661	415	694	563	572	473	647	477	666
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	479	968	949	1,289	962	1,129	990	1,083	972	1,150	954	1,291	949	1,297	1,013	1,273	985	1,210	474	1,117
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	1,671	1,769	1,966	1,752	2,175	1,960	2,058	1,959	1,948	1,846	1,878	1,864	1,801	1,884	1,843	1,972	2,105	1,849	2,324	1,844
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	936	1,120	1,538	1,588	1,401	1,447	1,411	1,424	1,477	1,566	1,391	1,522	1,394	1,436	1,341	1,438	1,455	1,435	1,503	1,461
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	1,632	1,419	1,563	1,559	1,573	1,547	1,559	1,542	1,570	1,567	1,574	1,570	1,571	1,565	1,509	1,474	1,570	1,547	1,574	1,553
39 US 50 EB: S River Rd On-ramp	Merge	1,179	804	795	664	797	670	796	677	795	672	795	655	795	666	799	650	796	676	797	675
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,936	2,164	4,376	2,148	4,417	2,309	4,435	2,382	3,972	2,681	4,341	2,950	4,352	2,483	4,524	2,868	4,194	2,390	4,599	2,498
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	560	904	932	986	821	964	779	1,005	858	916	812	965	863	993	1,002	990	872	906	798	909
47 US 50 EB: 16th St to SR 51/SR 99	Weave	481	630	385	688	374	748	356	617	382	587	358	522	391	742	413	594	382	703	364	599



I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,414	1,703	1,683	1,455	1,610	1,212	1,634	1,128	1,626	1,216	1,583	1,772	1,651	1,610	1,590	1,754	1,611	1,187	1,734	1,253
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	512	1,587	792	1,430	766	1,230	794	1,089	848	1,054	837	1,439	744	1,431	777	1,430	773	1,225	796	1,183
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	603	451	592	391	596	373	595	371	594	373	591	401	590	407	593	459	595	371	601	378
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	530	485	594	558	579	512	592	504	594	512	580	536	573	552	592	765	591	512	589	518
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	1,043	931	1,052	999	1,030	911	1,027	875	1,034	848	1,034	875	1,059	989	1,038	1,071	1,004	891	1,033	890
78 I-80 EB: I-5 to Truxel Rd	Weave	2,695	2,677	2,718	2,805	2,822	2,794	2,753	2,772	2,696	2,787	2,764	2,745	2,769	2,794	2,953	2,888	2,805	2,787	2,797	2,794
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	649	559	653	634	708	607	704	610	701	606	693	599	680	621	703	607	709	617	713	622
81 I-80 EB: Truxel Rd NB On-ramp	Merge	599	445	602	598	608	557	607	623	608	679	681	652	667	621	613	653	605	570	600	567
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	186	97	187	102	197	99	191	96	190	98	194	98	185	100	184	57	183	94	221	104
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	34	51	32	52	35	52	32	52	32	52	32	53	32	52	31	53	32	52	34	52
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	782	369	988	574	1,057	668	1,125	673	1,084	629	1,083	528	950	548	881	665	1,055	666	1,022	662
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	416	430	497	521	487	568	478	582	479	563	477	578	443	578	311	283	483	567	486	565
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	275	393	406	499	418	629	408	615	418	544	403	434	359	487	354	497	401	636	394	617
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	638	597	858	713	730	709	732	559	717	742	725	814	683	830	662	465	737	633	751	716
23 I-80 EB: Mace Blvd NB On-ramp	Merge	416	459	444	448	576	558	570	576	565	539	560	657	537	425	420	515	567	570	580	559
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	256	553	815	866	483	720	507	756	483	827	492	956	570	820	767	694	534	822	513	838
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	527	764	935	1,089	955	991	1,008	829	952	954	955	1,188	938	1,127	971	1,260	978	1,088	525	948
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	1,520	1,794	1,868	1,611	2,076	2,399	1,994	2,761	1,874	2,897	1,831	1,981	1,822	2,131	1,693	1,877	2,037	2,571	2,334	2,572
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	955	1,052	1,539	1,598	1,453	1,479	1,413	1,418	1,540	1,569	1,429	1,600	1,441	1,468	1,333	1,460	1,550	1,466	1,609	1,486
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	1,618	1,427	1,551	1,559	1,575	1,546	1,567	1,532	1,553	1,564	1,577	1,572	1,577	1,569	1,421	1,388	1,575	1,552	1,573	1,556
39 US 50 EB: S River Rd On-ramp	Merge	922	812	800	652	796	641	796	670	793	663	795	663	797	650	792	631	797	668	794	658
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,479	2,872	3,173	2,806	3,693	3,130	3,696	3,150	3,757	3,569	3,667	3,547	3,414	3,104	3,779	3,499	3,594	3,322	3,408	3,325
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	602	842	951	996	855	930	910	916	687	789	817	771	971	999	1,009	1,018	815	796	896	790
47 US 50 EB: 16th St to SR 51/SR 99	Weave	482	590	462	736	431	693	419	686	479	643	391	515	461	708	469	655	436	748	462	656

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	1,203	1,362	1,443	1,241	1,374	1,196	1,370	1,104	1,326	1,165	1,289	1,419	1,361	1,302	1,282	1,734	1,308	1,112	1,727	1,156
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	534	1,541	895	1,429	824	1,331	828	1,240	832	1,265	842	1,367	856	1,430	833	1,428	834	1,290	889	1,284
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	481	468	493	364	482	402	484	380	487	376	488	373	492	401	486	474	483	392	481	374
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	342	430	554	570	523	545	516	504	529	520	521	510	541	538	523	611	524	518	526	524
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	961	866	1,167	1,001	1,045	893	1,056	942	1,056	970	1,002	933	1,061	985	1,069	911	1,076	911	1,014	919
78 I-80 EB: I-5 to Truxel Rd	Weave	2,062	2,816	2,279	2,562	2,135	2,530	2,066	2,559	2,040	2,574	2,000	2,586	2,189	2,562	2,185	2,467	2,097	2,538	2,110	2,531
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	708	589	826	614	788	579	799	642	796	592	794	592	805	608	800	563	810	623	791	619
81 I-80 EB: Truxel Rd NB On-ramp	Merge	485	473	787	631	769	591	729	643	747	715	731	649	731	629	762	626	747	592	750	608
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	98	115	97	119	103	121	100	118	100	119	100	116	97	115	95	65	98	115	121	130
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge																				
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	23	40	24	40	23	40	24	40	24	40	24	41	23	40	23	39	24	40	23	40
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge																				
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic	474	598	600	896	723	1,014	723	1,011	726	996	731	828	579	808	531	748	745	1,012	701	1,016
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge	289	442	349	520	405	570	439	574	434	573	432	551	363	568	247	356	444	567	435	565
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge																				
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge	251	382	351	481	376	602	363	627	377	536	366	435	308	461	310	478	360	599	369	588
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge																				
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge	420	456	561	952	792	814	793	812	787	922	783	968	768	742	652	498	785	864	793	788
23 I-80 EB: Mace Blvd NB On-ramp	Merge	307	320	470	312	526	399	552	411	555	381	591	441	409	312	301	481	528	411	494	404
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge																				
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge	121	367	381	483	216	382	218	479	223	362	216	451	266	439	385	725	233	440	215	431
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge																				
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	486	479	965	1,076	1,031	1,134	1,049	1,002	1,039	1,083	1,037	1,176	1,035	1,143	964	1,225	1,045	1,220	607	863
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	932	997	1,197	2,476	1,288	1,908	1,242	1,617	1,176	1,679	1,118	2,486	1,098	2,336	1,377	1,799	1,254	1,916	1,443	2,900
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	838	941	1,409	1,608	1,509	1,478	1,467	1,434	1,545	1,609	1,495	1,610	1,449	1,494	1,315	1,433	1,468	1,496	1,571	1,511
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge	1,245	1,346	1,535	1,556	1,548	1,560	1,506	1,568	1,546	1,548	1,557	1,544	1,556	1,559	1,406	1,324	1,533	1,560	1,516	1,560
39 US 50 EB: S River Rd On-ramp	Merge	520	601	796	696	794	697	800	740	796	717	797	667	797	680	794	595	799	707	797	692
40 US 50 EB: I-5 Off-ramp	Basic																				
41 US 50 EB: 5th St Off-ramp	Diverge																				
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	3,291	3,319	3,757	4,195	3,690	4,332	3,612	4,502	3,901	4,445	3,675	4,554	3,506	4,414	3,898	3,887	3,857	4,495	3,591	4,498
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge	479	600	743	704	689	694	738	667	551	588	653	572	792	693	802	678	646	590	722	588
47 US 50 EB: 16th St to SR 51/SR 99	Weave	442	489	395	546	382	522	352	669	448	536	345	405	405	556	424	488	398	573	404	476

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge	801	1,180	940	1,385	940	1,571	939	1,383	907	1,447	885	1,438	909	1,403	900	1,626	904	1,396	1,078	1,547
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge																				
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge	551	1,076	1,004	1,431	903	1,285	886	1,053	887	1,197	894	1,203	953	1,426	926	1,401	907	1,288	976	1,270
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge																				
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	306	353	299	344	300	396	301	390	301	376	302	376	301	361	302	361	301	363	306	365
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	221	320	360	580	344	538	336	515	338	542	334	495	357	574	354	453	343	548	347	544
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic																				
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge	820	918	1,005	929	887	885	869	899	874	905	857	901	907	910	912	927	886	883	870	883
78 I-80 EB: I-5 to Truxel Rd	Weave	1,823	2,207	2,026	2,262	1,954	2,193	1,911	2,199	1,846	2,182	1,816	2,184	1,926	2,265	1,976	2,208	1,922	2,196	1,947	2,196
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic	486	580	571	590	556	552	556	611	555	556	557	563	565	579	561	562	564	581	555	589
81 I-80 EB: Truxel Rd NB On-ramp	Merge	305	355	495	475	475	446	457	483	469	532	459	487	455	472	482	478	468	447	466	458
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	2,691	2,143	1,962	1,775	2,400	1,859	2,504	1,871	2,289	1,910	2,410	1,947	2,019	1,807	1,196	694	2,528	2,000	2,525	1,675
102 US 50 WB: SR 51 to 16th St	Weave	907	1,397	1,224	1,717	1,224	1,869	1,170	2,005	1,333	1,904	1,223	1,884	1,120	1,562	1,084	1,252	1,131	1,672	1,215	1,896
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	372	793	343	762	414	830	406	766	404	869	421	777	361	756	366	778	416	730	422	803
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	102	304	103	306	156	372	179	384	176	389	180	412	133	300	120	302	152	444	157	367
108 US 50 WB: I-5 On-ramp	Merge	1,540	725	1,360	966	1,774	995	1,763	969	1,724	974	1,727	998	1,343	945	974	974	1,775	989	1,749	983
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	329	507	691	876																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					595	852	578	873	583	812	583	858	597	784	582	792	619	847	657	849
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	278	440	422	662	410	597	403	597	401	531	395	734	399	608	366	606	429	577	547	627
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	184	178	198	324	210	264	210	270	207	273	206	287	197	280	193	274	190	267	232	281
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,704	2,304	3,176	3,006	3,390	3,223	3,419	3,249	3,340	2,931	3,367	3,396	3,369	2,885	2,994	2,628	4,145	3,153	3,228	2,916
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	137	82	180	114	204	135	206	125	210	124	212	117	184	110	164	83	203	127	153	169
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	332	217	222	120	225	116	228	106	239	118	232	108	220	112	218	105	240	118	230	216
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	24	14	24	15	24	14	24	15	24	16	24	14	24	15	23	16	22	15	24	15
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	223	396	225	409	234	392	233	405	232	396	232	386	222	413	233	393	216	405	232	411
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	141	324																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	91	252																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			361	750	341	691	331	709	340	729	343	719	352	762	385	704	339	630	350	712
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	16	102	39	128	33	129	33	126	32	104	33	179	38	123	32	133	33	122	31	123
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	600	842	825	849	649	716	645	714	652	718	646	725	803	848	923	891	656	700	653	716
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	20	17	22	17	20	16	20	16	23	16	22	20	20	16	20	16	20	16	20	17
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	345	615	452	703	452	704	454	703	437	702	442	703	455	703	439	704	455	704	461	703
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	372	224	377	221	367	221	378	221	374	220	391	214	361	222	379	219	364	224	349	221
164 I-80 WB: Truxel Rd to I-5	Weave	643	1,087	746	1,179	716	1,208	779	1,209	765	1,171	773	1,255	728	1,140	671	1,146	726	1,175	700	1,206
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	82	141	83	137	87	133	84	136	88	136	89	132	84	137	86	145	84	138	85	137
167 I-80 WB: I-5 to W El Camino Ave	Weave	798	765	1,212	1,231	1,271	1,268	1,334	1,270	1,263	1,164	1,301	1,482	1,239	1,177	1,156	1,130	1,498	1,249	1,304	1,265
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	283	279	364	501	414	446	431	446	415	446	422	470	350	462	380	446	413	444	407	443
170 I-80 WB: W El Camino EB On-ramp	Merge	270	234	340	346	394	361	401	345	397	338	398	403	353	328	330	332	396	363	387	359
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	184	865	203	741	199	869	207	866	198	890	203	840	203	821	185	732	208	843	199	869
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	1,994	1,670	1,072	1,371	2,065	1,432	2,082	1,238	2,017	1,186	2,065	1,062	1,370	1,466	503	552	2,014	1,908	2,048	1,226
102 US 50 WB: SR 51 to 16th St	Weave	1,236	1,265	1,544	1,962	1,587	1,988	1,631	1,753	1,674	1,721	1,647	1,699	1,582	1,472	1,068	1,248	1,613	1,481	1,609	1,722
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	696	834	784	817	930	767	916	817	906	1,031	942	804	731	808	643	798	902	974	891	818
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	246	442	261	445	319	494	385	485	382	492	387	521	251	440	244	435	304	512	317	472
108 US 50 WB: I-5 On-ramp	Merge	1,461	1,069	1,324	1,437	1,800	1,479	1,778	1,543	1,728	1,579	1,763	1,516	1,498	1,374	705	1,359	1,794	1,330	1,721	1,466
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	400	912	766	1,381																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					712	1,473	695	1,517	713	1,468	685	1,386	762	1,350	802	1,353	710	1,467	771	1,434
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	528	511	671	629	730	653	711	644	641	657	676	659	672	634	665	686	730	645	777	628
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	212	258	226	522	233	498	237	510	239	525	234	517	214	504	219	517	225	471	318	528
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,742	2,298	3,059	2,773	3,157	3,083	3,300	2,978	3,108	2,959	3,245	2,990	3,143	2,822	2,478	2,345	3,545	3,202	3,046	2,781
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	351	154	386	207	323	248	320	271	322	231	321	215	319	171	339	166	331	225	324	261
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	732	359	406	245	391	247	405	243	404	253	403	230	395	244	370	209	400	243	458	342
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	10	33	10	32	9	33	10	32	9	32	10	31	9	32	10	32	10	33	9	32
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	455	375	467	388	436	373	430	380	428	378	428	382	465	395	448	370	465	381	441	380
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	310	383																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	145	260																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			645	818	585	736	568	755	576	757	573	793	648	805	659	764	574	702	592	750
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	29	199	64	213	63	227	63	225	63	226	64	226	65	235	62	199	64	237	62	226
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	1,051	905	1,321	910	957	742	960	740	963	759	967	747	1,125	898	1,431	909	962	737	961	747
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	38	13	38	13	40	13	39	13	39	13	39	12	39	13	39	12	38	13	39	13
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				



I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	409	670	527	701	526	699	521	703	527	703	529	702	515	701	517	702	507	699	523	702
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	347	200	347	199	352	201	344	202	352	204	330	206	349	199	348	198	351	197	370	200
164 I-80 WB: Truxel Rd to I-5	Weave	1,180	1,094	1,167	1,175	1,141	1,226	1,151	1,224	1,150	1,170	1,150	1,260	1,173	1,166	1,008	1,133	1,147	1,211	1,135	1,229
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	74	207	74	210	75	210	72	204	76	211	56	214	75	208	73	212	73	215	75	210
167 I-80 WB: I-5 to W El Camino Ave	Weave	1,054	966	1,298	1,601	1,186	1,507	1,251	1,547	1,246	1,563	1,264	1,507	1,269	1,561	1,263	1,234	1,781	1,701	1,185	1,555
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	415	385	434	512	431	545	429	520	418	545	420	551	429	534	426	448	407	516	425	538
170 I-80 WB: W El Camino EB On-ramp	Merge	533	210	548	338	578	341	592	334	618	333	590	382	550	327	555	317	531	338	553	343
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	279	905	301	684	294	868	294	863	290	857	278	831	302	791	296	709	275	823	284	859
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	2,091	2,172	1,262	1,943	1,956	1,642	2,010	1,831	1,846	1,057	1,869	810	1,458	2,036	597	612	1,776	1,335	1,904	1,285
102 US 50 WB: SR 51 to 16th St	Weave	1,089	1,013	1,562	1,432	1,468	1,410	1,443	1,536	1,605	1,423	1,502	1,426	1,382	1,158	1,302	1,326	1,431	1,174	1,464	1,526
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	676	852	686	826	766	814	737	815	721	1,018	784	803	674	820	730	801	742	824	779	824
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	239	489	232	500	368	529	419	549	410	637	423	636	310	497	274	497	361	611	369	531
108 US 50 WB: I-5 On-ramp	Merge	1,330	1,116	1,414	1,439	1,821	1,352	1,762	1,444	1,767	1,796	1,751	1,831	1,632	1,435	1,092	1,438	1,823	1,293	1,756	1,399
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	372	1,003	770	1,438																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					744	1,591	706	1,604	691	1,520	681	1,553	707	1,339	740	1,441	717	1,554	806	1,395
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	423	413	676	567	680	614	707	613	656	608	659	736	683	539	636	622	678	622	816	640
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	204	245	232	376	249	374	247	384	241	366	241	367	228	328	234	336	229	380	270	469
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,660	1,951	2,795	2,026	3,479	2,647	3,676	2,652	3,217	2,580	3,578	2,851	3,143	2,397	2,316	1,928	3,686	2,794	3,305	2,489
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	253	216	410	292	331	317	330	317	329	288	330	314	329	256	325	229	339	323	331	358
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	615	595	272	456	283	468	305	466	323	483	318	474	271	475	277	411	274	476	362	568
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	14	21	13	18	14	19	13	19	14	20	12	20	14	20	13	19	14	20	14	18
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	588	437	687	436	532	424	527	434	534	430	532	424	624	443	546	431	616	437	533	437
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	434	436																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	152	301																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			702	920	662	836	645	862	644	880	644	880	719	926	664	902	646	785	678	859
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	43	197	106	240	97	242	96	237	95	197	98	325	106	229	94	249	99	229	93	233
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	793	929	1,090	938	947	782	931	756	946	791	958	771	1,215	934	1,216	981	972	768	954	775
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	8	5	9	5	9	5	9	5	10	5	9	6	9	5	9	5	9	5	9	5
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	380	513	529	701	521	702	515	703	526	703	518	705	500	702	504	704	508	701	522	702
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	221	205	223	211	217	206	226	207	221	205	235	208	216	207	221	206	220	205	212	211
164 I-80 WB: Truxel Rd to I-5	Weave	988	1,011	1,181	1,168	1,167	1,252	1,178	1,242	1,180	1,202	1,167	1,295	1,167	1,169	1,022	1,037	1,154	1,225	1,172	1,240
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	84	178	82	168	82	174	84	175	83	175	91	171	81	175	81	182	83	176	81	178
167 I-80 WB: I-5 to W El Camino Ave	Weave	862	973	1,373	1,158	1,405	1,563	1,499	1,535	1,434	1,442	1,510	1,678	1,379	1,498	1,255	1,147	1,518	1,544	1,435	1,568
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	339	362	445	452	457	540	440	505	430	558	431	543	434	515	438	449	455	543	463	544
170 I-80 WB: W El Camino EB On-ramp	Merge	504	211	610	330	701	346	656	335	651	336	649	384	618	301	619	304	683	351	696	349
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	295	683	327	651	333	869	333	876	328	879	312	832	324	825	327	670	362	849	342	867
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	2,738	2,225	1,589	1,674	2,375	1,286	2,393	1,343	2,096	1,265	2,509	890	1,808	1,827	798	693	2,089	1,244	2,461	1,279
102 US 50 WB: SR 51 to 16th St	Weave	1,004	1,202	1,402	1,572	1,319	1,635	1,285	1,714	1,437	1,641	1,345	1,504	1,224	1,450	1,486	1,352	1,243	1,462	1,309	1,654
103 US 50 WB: 10th St Off-ramp	Diverge																				
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	538	657	501	744	574	787	574	788	568	799	592	776	506	768	544	788	582	636	598	826
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge	168	244	166	253	253	425	284	417	278	366	288	373	210	255	186	260	249	512	255	371
108 US 50 WB: I-5 On-ramp	Merge	1,582	561	1,372	1,164	1,848	1,257	1,794	1,171	1,736	902	1,769	870	1,368	1,099	1,030	1,174	1,858	1,217	1,778	1,218
109 US 50 WB: Jefferson Blvd Off-ramp	Basic																				
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	400	393	855	642																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					760	718	742	731	745	621	721	643	755	537	751	626	759	717	818	963
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge																				
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	254	385	510	526	473	585	468	575	535	529	462	603	425	492	428	576	460	583	679	645
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	165	252	186	393	204	386	205	389	197	379	196	373	186	348	190	371	184	377	224	412
118 US 50 WB: I-80 EB Off-ramp	Basic																				
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	2,025	1,497	2,649	2,681	3,085	2,596	3,113	2,635	3,085	2,200	3,090	2,504	3,079	2,364	2,477	2,218	3,531	2,429	2,987	2,226
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	230	89	316	137	330	188	330	201	329	142	330	188	330	122	262	96	338	139	300	214
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	481	290	299	259	329	231	337	241	351	206	336	227	323	238	288	225	354	215	341	336
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge																				
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge	18	14	18	14	18	14	17	14	18	14	19	13	18	13	18	13	18	13	18	14
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge																				
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge	410	340	401	347	517	341	515	347	517	337	515	331	486	352	515	330	497	348	519	349
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge																				
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge																				
I-80 WB: Richards Blvd Off-ramp	Diverge																				
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	305	265																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic	171	255																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			705	734	634	690	628	701	629	713	631	722	696	742	746	756	622	649	641	704
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge																				
145 I-80 WB: SR 113 Off-ramp	Diverge																				
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge	50	116	122	142	108	136	109	140	107	120	108	189	121	136	108	144	110	133	105	138
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	602	719	807	722	655	637	637	639	650	625	652	637	809	737	927	750	640	665	650	640
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge	11	13	10	12	11	11	9	12	12	12	10	15	10	12	10	11	10	12	10	12
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge																				

I-80/US 50 Managed Lanes  
On-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	381	365	524	705	509	661	513	695	520	685	510	686	491	637	487	666	516	665	513	674
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic	204	238	203	236	199	237	204	238	202	232	209	235	199	236	204	231	204	236	195	236
164 I-80 WB: Truxel Rd to I-5	Weave	738	857	992	1,037	1,006	1,085	1,162	1,084	1,143	1,106	1,129	1,273	866	1,101	1,018	1,022	992	1,190	942	1,080
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge	113	107	115	115	111	108	114	107	116	106	126	111	112	106	114	115	113	108	112	106
167 I-80 WB: I-5 to W El Camino Ave	Weave	659	650	1,314	1,151	1,381	1,079	1,464	1,077	1,351	995	1,408	1,133	1,430	1,030	1,314	1,158	1,388	1,072	1,412	1,055
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	205	207	310	471	401	497	428	518	424	567	408	597	279	447	302	455	352	494	371	478
170 I-80 WB: W El Camino EB On-ramp	Merge	244	163	380	272	427	294	473	342	484	328	485	360	395	247	339	250	441	314	438	321
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
171 I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge																				
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge	332	425	361	646	373	564	375	621	360	519	352	589	363	610	341	667	375	660	373	653
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic																				
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
178 I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	21	53	26	40	24	50	25	51	25	50	24	49	25	50	24	25	25	51	24	50
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	460	1,208	679	823	586	912	576	881	575	1,049	586	1,064	672	1,018	746	531	575	893	582	887
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	129	324	194	205	166	328	169	329	168	313	174	323	196	263	206	116	164	328	165	330
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	159	380	206	430	196	469	193	465	195	476	191	472	203	420	208	245	197	469	194	467
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	153	178	170	176	170	207	169	200	168	201	170	166	166	171	177	96	170	197	171	205
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	8	10	9	6	9	12	10	12	9	11	9	10	9	8	8	4	9	11	9	11
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	97	314	161	328	167	405	163	390	168	369	167	310	158	321	135	183	165	383	126	365
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,074	2,263	1,851	2,126	1,785	2,616	1,787	2,566	1,762	2,350	1,768	1,939	1,804	2,081	1,590	1,254	1,778	2,595	1,497	2,551
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	577	698	796	820	803	906	816	924	802	853	758	856	765	831	803	782	795	905	973	982
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	291	667	475	974	480	930	486	943	487	1,010	462	980	465	924	492	926	472	917	460	952
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	712	1,647	701	1,452	896	1,857	902	1,886	897	2,046	890	2,055	741	1,493	839	1,356	884	1,826	827	1,850
41 US 50 EB: 5th St Off-ramp	Diverge	193	823	252	704	296	720	290	725	293	750	298	735	250	662	270	607	299	730	290	719
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	317	471	565	508	562	605	568	563	574	619	568	560	546	503	528	481	555	593	546	594
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	2,372	2,998	2,708	2,346	2,744	2,556	2,799	2,541	2,833	2,402	2,793	2,752	2,724	2,384	2,715	2,333	2,796	2,546	2,752	2,530

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	706	438	760	309	767	334	775	302	768	343	759	340	758	331	734	319	771	342	741	307
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	184	785	372	844	383	828	385	736	371	745	387	953	366	875	333	817	375	839	362	751
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	503	1,072	714	1,261	693	1,221	702	1,096	719	1,097	715	1,273	704	1,344	668	1,261	703	1,246	698	1,208
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	702	1,129	799	1,091	755	1,082	754	1,137	777	1,156	779	1,232	800	1,126	740	1,140	743	1,119	742	1,079
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	653	673	771	751	736	797	733	793	742	746	738	747	754	762	750	738	736	793	724	790

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	25	49	26	18	28	47	27	46	27	46	27	39	25	17	26	0	27	45	26	45
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	995	1,424	1,479	463	1,368	1,012	1,336	968	1,345	1,224	1,352	961	1,476	503	1,574	5	1,377	934	1,364	943
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	332	333	513	121	457	298	457	277	462	315	459	212	510	127	536	0	466	265	459	280
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	388	429	490	322	466	399	460	376	469	398	465	310	490	324	485	102	458	356	473	374
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	306	159	304	127	304	152	298	140	297	131	299	125	312	117	264	57	302	141	307	149
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	7	12	7	9	7	8	8	7	7	8	8	7	8	5	7	3	7	8	7	8
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	276	409	384	351	395	425	392	375	399	403	387	440	362	367	296	222	392	402	373	412
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,688	2,283	2,001	2,309	2,205	2,657	2,217	2,374	2,207	2,333	2,240	2,330	2,004	2,345	1,797	1,386	2,213	2,729	1,964	2,498
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	828	829	1,248	908	1,211	1,040	1,261	1,016	1,220	945	1,302	931	1,217	949	1,041	892	1,246	983	1,362	1,003
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	833	954	1,639	1,175	1,598	1,167	1,538	1,160	1,528	1,232	1,496	1,205	1,504	1,200	1,309	1,211	1,536	1,109	1,523	1,151
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	1,213	1,329	1,004	1,264	1,304	1,581	1,474	1,632	1,406	1,835	1,441	1,924	1,144	1,332	1,029	1,264	1,363	1,537	1,328	1,570
41 US 50 EB: 5th St Off-ramp	Diverge	671	1,101	748	808	749	867	727	860	748	907	754	942	751	834	665	790	752	858	729	862
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	435	586	921	510	1,061	675	906	643	879	764	1,005	829	911	583	918	546	1,060	657	1,069	705
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	3,260	2,893	2,845	1,873	3,068	2,104	3,068	2,017	2,957	2,150	2,975	2,344	2,921	1,972	2,917	1,835	2,914	2,091	3,146	2,136



I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	899	451	936	327	952	286	967	252	963	303	966	380	928	370	896	323	959	307	870	286
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	385	1,127	782	944	825	925	818	821	831	863	804	1,184	798	989	727	1,051	809	902	787	859
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	790	1,458	1,098	1,343	1,075	1,263	1,089	1,111	1,111	1,120	1,144	1,400	1,106	1,421	1,006	1,423	1,098	1,266	1,065	1,230
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	1,342	1,122	1,489	1,052	1,662	893	1,694	894	1,633	895	1,684	991	1,492	1,104	1,730	1,105	1,667	874	1,698	868
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	901	589	924	715	943	689	932	653	931	638	946	591	941	684	944	689	947	682	970	696

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	19	37	22	22	23	27	22	22	22	31	22	30	22	26	21	0	22	24	24	28
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	1,005	1,243	1,480	667	1,263	702	1,252	540	1,248	932	1,274	994	1,464	812	1,610	13	1,251	629	1,261	688
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	345	214	492	172	432	159	428	142	425	165	434	226	495	199	515	9	426	161	428	170
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	610	534	717	405	677	482	670	424	678	494	683	581	710	485	629	168	670	455	661	471
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	375	208	373	162	363	194	367	158	358	172	362	182	386	185	342	70	363	168	364	189
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	9	9	9	9	12	7	10	7	9	6	10	10	9	10	7	3	11	7	10	8
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	375	508	529	494	548	561	581	466	559	489	580	593	522	563	367	302	574	534	480	536
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,854	2,717	2,619	2,383	2,593	2,881	2,692	2,586	2,616	2,794	2,613	3,029	2,579	2,552	1,913	1,661	2,636	2,809	2,307	2,797
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	866	994	1,064	948	1,120	1,422	1,128	1,517	1,095	1,559	1,092	1,253	1,056	1,232	956	932	1,096	1,476	1,351	1,563
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	1,243	1,211	1,750	1,532	1,834	1,766	1,801	1,852	1,747	2,164	1,713	1,680	1,742	1,778	1,459	1,394	1,801	1,773	1,842	1,823
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	1,402	1,450	1,132	1,418	1,344	1,750	1,318	1,744	1,325	1,892	1,322	1,945	1,181	1,546	1,157	1,245	1,302	1,740	1,264	1,774
41 US 50 EB: 5th St Off-ramp	Diverge	785	1,234	685	1,052	846	1,092	821	1,066	858	1,158	824	1,143	688	1,041	637	845	874	1,093	871	1,104
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	585	981	751	994	856	1,187	839	1,134	853	1,298	819	1,236	772	1,036	692	980	865	1,208	821	1,190
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	3,661	3,244	2,959	2,551	3,243	2,801	3,191	2,680	3,282	2,875	3,193	2,804	3,121	2,698	2,984	2,530	3,289	2,790	3,144	2,781

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	743	516	941	274	904	318	926	281	922	332	912	345	921	298	868	324	902	299	942	302
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	515	1,421	846	1,375	839	1,430	861	1,280	839	1,424	831	1,565	838	1,372	676	1,400	806	1,402	835	1,358
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	966	1,397	1,167	1,651	1,172	1,718	1,192	1,543	1,193	1,649	1,214	1,664	1,164	1,650	1,033	1,484	1,185	1,649	1,211	1,649
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	1,375	1,825	1,497	1,640	1,427	1,596	1,428	1,647	1,488	1,704	1,491	1,790	1,496	1,660	1,387	1,553	1,413	1,590	1,444	1,569
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	811	668	925	706	866	721	877	723	866	671	849	665	879	716	850	650	870	721	869	721

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge																				
2 I-80 EB: Pedrick Rd to Lane Add	Basic																				
3 I-80 EB: Lane Add to Kidwell Rd	Basic																				
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	20	24	18	20	18	27	18	20	18	24	18	25	17	23	17	1	18	22	18	24
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic																				
6 I-80 EB: Kidwell Rd to SR 113	Weave	631	720	912	576	769	664	772	512	770	679	780	761	898	671	1,001	41	771	584	766	609
7 I-80 EB: SR 113 to Old Davis Rd	Basic																				
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	200	165	285	144	250	195	247	149	245	164	251	180	287	169	299	7	245	170	246	181
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic																				
10 I-80 EB: SR 113 On-ramp	Basic																				
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic																				
12 I-80 EB: Old Davis Rd On-ramp	Merge																				
13 I-80 EB: Old Davis Rd to Lane Drop	Basic																				
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic																				
I-80 EB: Lane Drop to Richards Blvd	Basic																				
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic																				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	509	505	611	625	587	630	585	580	591	593	599	664	615	663	526	242	595	618	574	633
17 I-80 EB: Richards Blvd Off to On-ramp	Basic																				
18 I-80 EB: Richards Blvd On-ramp	Merge																				
19 I-80 EB: Richards Blvd to Mace Blvd	Basic																				
20 I-80 EB: Mace Blvd Off-ramp	Diverge	285	299	341	273	295	325	295	275	293	274	297	274	302	288	263	112	297	301	298	314
21 I-80 EB: Mace Blvd Off to On-ramp	Basic																				
22 I-80 EB: Mace Blvd SB On-ramp	Merge																				
23 I-80 EB: Mace Blvd NB On-ramp	Merge																				
24 I-80 EB: Mace Blvd to County Rd 32B	Basic																				
25 I-80 EB: County Rd 32B Off-ramp	Diverge	11	11	13	9	10	10	11	10	12	9	12	10	11	11	7	1	12	10	12	9
26 I-80 EB: County Rd 32B Off to On-ramp	Basic																				
27 I-80 EB: County Rd 32B On-ramp	Merge																				
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic																				
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	242	478	427	592	448	655	446	641	450	622	455	624	396	593	304	384	440	697	341	604
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic																				
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic																				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic																				
31 I-80 EB: Enterprise Blvd to US 50	Weave	1,439	2,597	2,348	2,906	2,154	3,636	2,197	3,367	2,164	3,472	2,165	3,491	2,149	2,998	1,575	1,764	2,175	3,783	1,889	3,599
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic																				
US 50 EB: I-80 Off to On-ramp	Basic																				
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic																				
34 US 50 EB: I-80 to Harbor Blvd	Weave	582	675	739	1,571	837	1,294	858	1,156	838	1,179	820	1,564	743	1,497	786	1,107	831	1,323	1,081	1,903
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic																				
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	624	674	965	1,604	1,013	1,269	1,006	1,089	1,020	1,249	977	1,600	913	1,581	1,158	1,176	975	1,255	973	1,596
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic																				
38 US 50 EB: Jefferson Blvd On-ramp	Merge																				
39 US 50 EB: S River Rd On-ramp	Merge																				
40 US 50 EB: I-5 Off-ramp	Basic	1,079	1,605	996	1,707	1,258	2,042	1,206	1,947	1,258	2,099	1,293	2,236	1,042	1,845	1,071	1,400	1,223	2,038	1,158	2,085
41 US 50 EB: 5th St Off-ramp	Diverge	394	751	440	772	506	764	471	724	523	762	515	786	405	761	454	604	505	774	507	784
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic																				
US 50 EB: 5th St Off to I-5 On-ramp	Basic																				
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic																				
US 50 EB: Lane Drop to HOV Lane Add	Basic																				
US 50 EB: HOV Lane Add to I-5 On	Basic																				
44 US 50 EB: I-5 to 15th St	Weave	559	843	824	1,015	900	1,159	884	1,033	917	1,057	899	1,080	811	1,018	810	812	905	1,151	877	1,171
45 US 50 EB: 15th St to 11th St	Basic																				
46 US 50 EB: 11th St On-ramp	Merge																				
47 US 50 EB: 16th St to SR 51/SR 99	Weave	3,350	3,396	3,289	3,043	3,389	3,118	3,344	2,991	3,519	2,713	3,414	3,051	3,270	3,121	3,254	2,586	3,411	3,166	3,382	3,182

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic																				
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic																				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic																				
62 I-80 EB: US 50 On-ramp	Basic/Merge																				
63 I-80 EB: US 50 to Reed Ave	Basic																				
64 I-80 EB: Reed Ave Off-ramp	Diverge	479	554	473	316	459	369	466	303	458	365	448	384	450	347	430	289	455	348	492	350
65 I-80 EB: Reed Ave Off to On-ramp	Basic																				
66 I-80 EB: Reed Ave On-ramp	Merge																				
67 I-80 EB: Reed Ave to HOV Lane Add	Basic																				
I-80 EB: Reed Ave to W El Camino Ave	Basic																				
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic																				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	361	956	660	1,252	677	1,428	695	1,299	669	1,407	689	1,425	645	1,251	595	1,186	644	1,414	624	1,371
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic																				
71 I-80 EB: W El Camino Ave EB On-ramp	Merge																				
72 I-80 EB: W El Camino Ave WB On-ramp	Merge																				
73 I-80 EB: W El Camino Ave to I-5	Basic																				
74 I-80 EB: I-5 Off-ramp	Basic	592	1,182	842	1,751	803	1,856	820	1,671	836	1,752	832	1,762	792	1,771	751	1,630	820	1,881	831	1,836
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic																				
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic																				
77 I-80 EB: I-5 SB On-ramp	Merge																				
78 I-80 EB: I-5 to Truxel Rd	Weave	929	1,736	1,034	1,769	964	1,752	975	1,839	1,013	1,887	1,022	1,904	1,023	1,769	931	1,683	964	1,748	959	1,752
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic																				
80 I-80 EB: Truxel Rd SB On-ramp	Basic																				
81 I-80 EB: Truxel Rd NB On-ramp	Merge																				
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic																				
83 I-80 EB: Northgate Blvd Off-ramp	Basic	665	581	762	663	717	677	730	662	731	636	724	595	730	668	713	593	719	690	706	690

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	632	639	705	452	685	439	604	394	550	391	550	382	606	463	384	320	582	556	676	429
103 US 50 WB: 10th St Off-ramp	Diverge	640	639	627	608	716	711	757	577	733	571	782	605	689	753	437	415	1,015	763	748	694
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,127	3,627	3,123	3,388	3,568	3,379	3,495	3,315	3,465	3,399	3,530	3,468	3,072	3,387	1,981	1,902	3,639	3,455	3,633	3,352
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	822	1,864	1,415	2,639	1,712	2,769	1,705	2,670	1,580	2,732	1,566	2,638	1,444	2,620	934	1,952	1,619	2,894	1,692	2,612
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,899	1,213	1,929	1,176	1,830	1,223	1,904	1,143	1,639	1,087	1,105	917	1,898	1,233	1,959	1,183
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,693	982	1,574	1,216																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	1,053	1,430	1,064	1,941	1,227	1,900	1,233	1,868	1,155	1,781	1,181	1,714	1,090	1,830	855	1,474	1,238	1,912	1,406	2,021
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	720	453	866	848	935	860	934	855	893	850	912	782	946	810	793	753	1,015	858	723	512
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	165	223	556	481	319	381	304	397	377	498	393	407	425	407	403	385	348	371	302	336
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	704	735	648	856	966	1,191	993	1,210	914	985	930	992	685	853	619	748	1,043	1,184	995	1,144
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	68	100																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	152	210																		
I-80 WB: Richards Blvd Off-ramp	Diverge			502	445	668	557	671	551	627	514	628	468	488	420	451	401	630	533	665	535
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	39	64																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	268	148	334	240	378	264	381	286	360	275	383	266	342	238	284	240	410	292	389	271
145 I-80 WB: SR 113 Off-ramp	Diverge	507	795	681	848	855	1,018	826	1,032	798	957	803	868	699	980	630	741	881	981	843	995
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	43	41	41	41	42	45	42	40	46	42	44	38	41	43	42	44	42	40	45	42
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	159	180	144	335	163	186	159	194	161	188	153	189	152	199	130	162	168	189	161	186

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	486	1,032	521	1,271	567	1,225	555	1,228	536	1,223	557	1,173	595	1,248	443	1,244	571	1,239	564	1,242
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	2,914	3,492	2,939	3,859	3,102	3,779	3,331	3,748	3,144	3,574	3,192	3,397	3,306	3,800	2,561	3,870	3,288	3,778	3,198	3,787
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	336	406	367	482	330	463	332	460	312	480	319	462	379	460	351	457	407	457	336	453
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,284	886	1,388	1,221	1,313	1,145	1,311	1,139	1,256	1,123	1,301	1,106	1,478	1,191	1,349	1,107	1,599	1,152	1,336	1,145
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	739	1,609	844	2,033	894	1,981	868	1,977	805	2,002	788	1,920	853	1,990	841	1,855	1,077	1,985	1,008	2,219
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	931	605	738	398	753	374	715	370	647	345	620	329	721	425	365	199	747	362	840	314
103 US 50 WB: 10th St Off-ramp	Diverge	1,176	695	840	1,009	1,190	930	1,188	772	1,171	686	981	628	930	952	338	511	1,197	988	1,165	889
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,015	3,160	2,393	3,356	3,215	3,115	3,126	2,894	3,100	2,939	3,179	2,779	2,680	3,233	1,222	1,553	3,111	2,986	3,197	2,918
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	1,373	1,972	1,874	2,874	2,445	2,820	2,462	2,766	2,405	2,775	2,471	2,659	2,063	2,901	797	1,833	2,372	2,823	2,427	2,726
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					2,000	1,559	2,001	1,502	2,016	1,532	2,036	1,419	1,677	1,616	874	1,052	2,009	1,584	1,976	1,448
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,599	1,281	1,529	1,719																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	1,341	1,624	1,306	1,997	1,482	1,961	1,469	1,980	1,436	1,948	1,442	1,820	1,372	1,954	942	1,892	1,477	1,995	1,707	2,046
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	861	400	932	770	829	819	969	811	932	825	943	748	918	811	695	679	875	831	828	449
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	244	273	599	801	485	518	452	426	493	605	600	561	447	665	542	624	465	464	406	448
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	774	893	693	990	994	1,517	1,002	1,451	888	1,238	866	1,330	724	1,016	612	909	1,086	1,489	974	1,420
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	226	94																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	247	200																		
I-80 WB: Richards Blvd Off-ramp	Diverge			698	450	803	594	806	581	747	528	749	497	694	426	525	382	852	552	787	554
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	83	64																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	332	195	427	281	488	334	482	334	466	336	476	340	435	297	355	285	516	349	484	342
145 I-80 WB: SR 113 Off-ramp	Diverge	755	866	919	924	1,179	1,057	1,135	1,065	1,080	1,012	1,077	943	1,011	942	784	781	1,217	1,068	1,182	1,060
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	52	43	50	36	46	40	47	38	46	39	45	38	47	38	49	34	52	38	48	42
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	197	167	189	225	194	170	191	174	189	167	190	169	187	213	166	150	201	169	188	176



I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,012	1,174	660	1,487	616	1,441	635	1,428	558	1,409	625	1,379	848	1,453	500	1,419	1,055	1,432	646	1,441
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	3,507	3,467	2,919	3,891	2,561	3,773	2,582	3,766	2,348	3,556	2,505	3,466	3,148	3,811	2,312	3,553	3,697	3,793	2,483	3,833
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	759	463	669	561	585	551	599	525	540	549	550	555	735	548	560	444	867	526	596	560
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,499	1,221	1,477	1,380	1,365	1,445	1,411	1,391	1,368	1,407	1,416	1,415	1,546	1,445	1,293	1,196	1,709	1,452	1,404	1,476
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	1,571	1,848	1,393	2,065	1,463	2,203	1,440	2,261	1,307	2,250	1,264	2,211	1,418	2,182	1,326	1,891	1,822	2,188	1,600	2,470
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	960	928	763	675	825	576	763	557	638	427	659	396	746	678	489	346	718	596	827	522
103 US 50 WB: 10th St Off-ramp	Diverge	1,177	827	947	861	1,145	857	1,200	741	1,162	579	1,219	538	1,075	1,014	620	519	1,392	791	1,160	830
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,103	3,586	2,900	3,213	3,210	2,905	3,097	3,035	3,159	2,641	3,172	2,584	2,834	3,235	1,981	1,659	2,826	2,518	3,189	2,914
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	1,563	2,322	2,456	3,049	2,858	2,876	2,878	2,944	2,711	2,912	2,725	2,712	2,670	3,085	1,688	2,302	2,632	2,805	2,870	2,806
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,556	1,617	1,526	1,648	1,540	1,647	1,515	1,459	1,523	1,646	1,155	1,213	1,487	1,598	1,530	1,685
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,390	1,459	1,458	1,774																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	1,172	1,386	1,367	1,735	1,397	1,858	1,416	1,812	1,376	1,577	1,326	1,451	1,393	1,618	1,148	1,407	1,323	1,871	1,573	2,024
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	815	400	738	654	848	750	953	761	907	766	951	694	842	731	705	628	804	781	728	454
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	178	428	572	892	344	679	314	656	474	886	458	839	467	737	408	691	329	636	320	608
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	851	1,089	752	1,103	1,055	1,649	1,084	1,681	974	1,393	979	1,395	758	1,188	690	1,010	1,139	1,711	1,066	1,597
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	306	139																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	351	226																		
I-80 WB: Richards Blvd Off-ramp	Diverge			1,076	440	1,246	586	1,264	573	1,153	556	1,184	474	1,085	487	803	422	1,291	609	1,265	594
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	151	63																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	424	182	494	276	564	323	566	329	540	318	556	314	509	277	415	282	588	327	587	322
145 I-80 WB: SR 113 Off-ramp	Diverge	1,053	1,081	1,283	1,106	1,420	1,303	1,386	1,366	1,326	1,217	1,343	1,135	1,285	1,185	1,065	970	1,418	1,311	1,358	1,307
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	41	35	40	29	41	30	35	30	39	30	35	33	39	30	36	31	41	32	37	29
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	153	199	138	229	138	187	133	193	140	194	139	190	150	230	127	165	144	197	145	197

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	1,153	1,345	962	1,522	1,084	1,586	1,159	1,559	1,016	1,558	1,138	1,515	1,070	1,584	744	1,244	1,226	1,599	1,107	1,596
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	3,378	3,375	3,035	3,502	3,168	3,731	3,490	3,717	3,050	3,518	3,351	3,367	3,195	3,766	2,365	3,100	3,445	3,715	3,252	3,741
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	800	515	822	435	803	597	845	576	757	593	821	594	847	598	675	489	846	587	813	598
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,441	1,182	1,429	1,251	1,509	1,526	1,522	1,440	1,379	1,505	1,511	1,438	1,528	1,558	1,285	1,276	1,581	1,544	1,505	1,536
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	1,583	1,718	1,646	1,866	1,980	2,312	1,953	2,285	1,723	2,387	1,797	2,282	1,684	2,306	1,539	1,865	1,985	2,378	2,225	2,635
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge																				
102 US 50 WB: SR 51 to 16th St	Weave	759	904	783	639	787	504	723	455	623	464	617	467	707	670	540	436	682	593	758	584
103 US 50 WB: 10th St Off-ramp	Diverge	816	868	742	817	867	813	920	667	895	646	927	613	868	1,007	596	549	1,233	797	887	871
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic																				
105 US 50 WB: 15th St to I-5	Weave	3,193	3,666	2,947	3,392	3,435	2,912	3,416	2,926	3,360	2,858	3,387	2,825	2,983	3,441	2,120	1,864	3,330	2,550	3,471	3,062
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic																				
107 US 50 WB: 5th St On-ramp	Merge																				
108 US 50 WB: I-5 On-ramp	Merge																				
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	1,332	1,919	1,982	3,224	2,399	2,881	2,435	2,888	2,204	2,681	2,242	2,424	2,064	3,226	1,537	2,358	2,221	2,779	2,408	2,969
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic																				
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge																				
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					1,398	1,254	1,400	1,252	1,291	1,179	1,355	1,074	1,163	1,289	944	1,073	1,392	1,181	1,365	1,303
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic																				
113 US 50 WB: Lane Add to Harbor Blvd	Basic																				
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	1,315	1,120	1,190	1,293																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic																				
116 US 50 WB: Harbor Blvd NB On-ramp	Basic																				
117 US 50 WB: Harbor Blvd SB On-ramp	Merge																				
118 US 50 WB: I-80 EB Off-ramp	Basic	859	1,223	954	1,495	930	1,501	942	1,489	901	1,297	867	1,199	885	1,433	767	1,220	896	1,464	1,083	1,884
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic																				
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic																				
121 I-80 WB: US 50 to W Capitol Ave	Weave	676	413	724	854	776	829	801	824	782	758	783	709	801	825	650	811	832	791	599	520
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic																				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic																				
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic																				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge																				
125 I-80 WB: W Capitol Ave WB On-ramp	Merge																				
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic																				
127 I-80 WB: County Rd 32A Off-ramp	Diverge	174	321	542	806	303	579	267	611	366	674	386	631	435	644	383	619	326	509	274	559
128 I-80 WB: County Rd 32A Off to On-ramp	Basic																				
129 I-80 WB: County Rd 32A On-ramp	Merge																				
130 I-80 WB: County Rd 32A to Mace Blvd	Basic																				
131 I-80 WB: Mace Blvd Off-ramp	Diverge	740	1,024	680	1,253	962	1,642	988	1,656	943	1,268	910	1,296	704	1,222	635	1,116	1,006	1,561	972	1,708
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic																				
133 I-80 WB: Mace Blvd On-ramp	Merge																				
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic																				
135 I-80 WB: Lane Drop to Olive Dr	Basic																				
I-80 WB: Lane Drop to Richards Blvd	Basic																				
136 I-80 WB: Olive Dr Off-ramp	Diverge	151	127																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic																				
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	312	229																		
I-80 WB: Richards Blvd Off-ramp	Diverge			1,003	516	1,204	631	1,203	639	1,149	544	1,141	493	957	504	841	474	1,109	598	1,222	651
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic																				
I-80 WB: Richards Blvd Off to On-ramp	Basic																				
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	134	68																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic																				
142 I-80 WB: Richards Blvd SB On-ramp	Basic																				
I-80 WB: Richards Blvd On-ramp	Basic/Merge																				
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic																				
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	326	142	426	241	467	268	472	282	459	255	464	251	434	236	363	271	466	285	486	282
145 I-80 WB: SR 113 Off-ramp	Diverge	810	871	1,068	987	1,216	1,110	1,201	1,137	1,171	974	1,159	929	1,097	1,089	991	890	1,198	1,031	1,170	1,159
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic																				
147 I-80 WB: Old Davis Rd On-ramp	Merge																				
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic																				
149 I-80 WB: SR 113 to Kidwell Rd	Weave	41	32	39	32	41	31	40	32	42	34	40	32	40	31	42	31	39	33	41	31
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic																				
151 I-80 WB: Kidwell Rd On-ramp	Merge																				
152 I-80 WB: Kidwell Rd to Lane Drop	Basic																				
153 I-80 WB: Lane Drop to Pedrick Rd	Basic																				
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	117	139	106	268	119	151	113	149	105	139	109	149	110	168	100	139	110	143	110	156

I-80/US 50 Managed Lanes  
Off-ramp Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	695	1,096	848	1,420	1,073	1,315	1,063	1,307	876	1,300	1,051	1,242	1,117	1,325	764	1,446	896	1,330	1,068	1,324
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic																				
163 I-80 WB: Truxel Rd NB On-ramp	Basic																				
164 I-80 WB: Truxel Rd to I-5	Weave	2,766	3,023	3,304	3,778	3,846	3,439	4,080	3,446	3,424	3,301	3,786	3,189	3,994	3,486	2,967	3,674	3,446	3,492	3,824	3,476
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic																				
166 I-80 WB: I-5 NB On-ramp	Merge																				
167 I-80 WB: I-5 to W El Camino Ave	Weave	448	417	636	598	635	510	650	512	589	509	599	520	728	496	587	540	628	509	660	492
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic																				
169 I-80 WB: W El Camino Ave WB On-ramp	Merge																				
170 I-80 WB: W El Camino EB On-ramp	Merge																				
171 I-80 WB: W El Camino Ave to Lane Drop	Basic																				
I-80 WB: W El Camino Ave to Reed Ave	Basic																				
172 I-80 WB: Lane Drop to Reed Ave	Basic																				
173 I-80 WB: Reed Ave Off-ramp	Diverge	1,052	869	1,298	1,431	1,387	1,207	1,399	1,341	1,331	1,244	1,370	1,251	1,537	1,337	1,280	1,306	1,494	1,258	1,419	1,242
174 I-80 WB: Reed Ave Off to On-ramp	Basic																				
175 I-80 WB: Reed Ave On-ramp	Merge																				
176 I-80 WB: Reed Ave to US 50	Basic																				
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	974	1,048	1,330	1,976	1,477	1,609	1,440	1,741	1,395	1,570	1,316	1,620	1,386	1,693	1,361	1,806	1,559	1,669	1,676	1,822
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic																				
I-80 WB: US 50 Off to On-ramp	Basic																				
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic																				



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	A / 11	C / 19	B / 17	C / 20							B / 16	B / 17	B / 16	C / 19			B / 12	C / 18	B / 14	C / 23
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					B / 16	C / 25	B / 16	C / 24	B / 16	C / 22					B / 14	B / 11				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					B / 16	C / 24	B / 16	D / 26	B / 16	C / 21					B / 14	A / 10				
62 I-80 EB: US 50 On-ramp	Basic/Merge	B / 16	C / 21	C / 22	C / 23	C / 20	C / 25	C / 20	E / 39	C / 20	C / 24	B / 16	B / 16	B / 16	C / 19	C / 20	C / 20	C / 18	C / 23	B / 13	C / 22
63 I-80 EB: US 50 to Reed Ave	Basic	B / 15	C / 21	C / 21	C / 22	C / 19	D / 26	C / 19	F / 57	C / 19	D / 28	C / 20	C / 20	C / 21	C / 23	C / 26	E / 36	B / 18	C / 22	C / 20	C / 24
64 I-80 EB: Reed Ave Off-ramp	Diverge	B / 16	C / 22	C / 21	C / 23	C / 20	D / 29	C / 19	F / 53	C / 19	E / 37	C / 18	C / 19	C / 20	C / 22	C / 25	E / 39	C / 18	C / 23	C / 18	C / 23
65 I-80 EB: Reed Ave Off to On-ramp	Basic	A / 10	C / 19	B / 15	D / 26	B / 12	E / 38	B / 12	F / 63	B / 12	F / 51	C / 19	C / 19	C / 21	C / 23	B / 16	F / 50	B / 12	D / 31	C / 18	D / 26
66 I-80 EB: Reed Ave On-ramp	Merge	B / 11	D / 26	C / 18	F / 48	B / 13	F / 105	B / 13	F / 120	B / 13	F / 105	B / 12	B / 16	B / 14	C / 22	C / 20	F / 62	B / 13	F / 92	B / 12	E / 38
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 12	C / 26	C / 19	F / 46											C / 21	D / 33				
I-80 EB: Reed Ave to W El Camino Ave	Basic					B / 15	F / 88	B / 15	F / 93	B / 15	F / 91	B / 13	C / 23	B / 17	E / 40			B / 15	F / 85	B / 13	F / 99
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 12	C / 25	C / 19	F / 55											B / 13	C / 20				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 12	D / 26	B / 18	F / 69	B / 14	F / 86	B / 15	F / 88	B / 15	F / 88	B / 15	D / 26	B / 17	F / 46	B / 11	B / 17	B / 14	F / 85	B / 14	F / 87
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	A / 10	C / 20	B / 15	F / 84	B / 12	F / 96	B / 13	F / 96	B / 13	F / 97	B / 13	C / 20	B / 14	F / 59	B / 11	B / 15	B / 12	F / 95	B / 12	F / 97
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	A / 10	B / 16	B / 14	F / 67	B / 12	F / 73	B / 12	F / 73	B / 13	F / 72	B / 12	C / 23	B / 13	F / 54	B / 11	B / 14	B / 12	F / 72	B / 12	F / 72
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	A / 10	B / 17	A / 10	F / 55	A / 8	F / 59	A / 8	F / 57	A / 9	F / 56	A / 8	C / 26	A / 9	E / 44	A / 8	A / 11	A / 8	F / 58	A / 8	F / 58
73 I-80 EB: W El Camino Ave to I-5	Basic	A / 11	C / 18	B / 15	F / 69	B / 13	F / 72	B / 13	F / 72	B / 14	F / 72	B / 14	E / 44	B / 14	F / 56	B / 13	B / 16	B / 13	F / 72	B / 13	F / 72
74 I-80 EB: I-5 Off-ramp	Basic	A / 11	C / 18	B / 15	F / 49	B / 13	F / 50	B / 13	F / 50	B / 14	F / 50	B / 13	E / 38	B / 14	E / 41	B / 12	B / 16	B / 13	F / 50	B / 13	F / 50
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	A / 10	C / 20	B / 14	F / 48	B / 13	F / 50	B / 13	F / 49	B / 13	F / 50	B / 13	E / 44	B / 14	E / 39	B / 12	B / 15	B / 13	F / 49	B / 12	F / 51
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	B / 15	F / 55	C / 21	F / 88	C / 19	F / 90	C / 19	F / 89	C / 19	F / 89	C / 19	F / 87	C / 20	F / 81	C / 18	D / 26	C / 19	F / 89	C / 19	F / 90
77 I-80 EB: I-5 SB On-ramp	Merge	B / 18	F / 69	C / 24	F / 75	C / 22	F / 75	C / 22	F / 72	C / 22	F / 75	C / 21	F / 71	C / 23	F / 70	C / 21	D / 32	C / 22	F / 72	C / 22	F / 76
78 I-80 EB: I-5 to Truxel Rd	Weave	C / 20	E / 42	C / 23	E / 42	C / 21	F / 47	C / 20	E / 37	C / 20	F / 52	C / 20	D / 32	C / 21	F / 47	C / 20	D / 31	C / 21	E / 40	C / 20	F / 55
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	C / 21	D / 28	C / 24	F / 60	C / 22	F / 61	C / 21	F / 48	C / 21	F / 70	C / 21	E / 40	C / 22	F / 75	C / 22	D / 31	C / 22	F / 60	C / 21	F / 69
80 I-80 EB: Truxel Rd SB On-ramp	Basic	B / 16	C / 22	C / 19	F / 73	B / 17	F / 68	B / 17	F / 64	B / 16	F / 77	B / 16	F / 47	B / 17	F / 79	B / 17	D / 33	B / 17	F / 70	B / 17	F / 74
81 I-80 EB: Truxel Rd NB On-ramp	Merge	B / 15	C / 21	C / 19	F / 66	B / 17	F / 62	B / 17	F / 61	B / 17	F / 69	B / 17	F / 52	B / 17	F / 67	B / 18	E / 41	B / 18	F / 64	B / 17	F / 65
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	C / 18	E / 38	C / 23	F / 58	C / 21	F / 58	C / 21	F / 56	C / 21	F / 58	C / 20	F / 52	C / 21	F / 58	C / 21	F / 46	C / 21	F / 58	C / 21	F / 58
83 I-80 EB: Northgate Blvd Off-ramp	Basic	C / 18	E / 39	C / 23	E / 42	C / 21	E / 43	C / 21	E / 41	C / 21	E / 42	C / 20	E / 42	C / 22	E / 42	C / 21	E / 38	C / 21	E / 42	C / 21	E / 42

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9		
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
1 I-80 EB: Pedrick Rd On-ramp	Merge	C/23	C/22	C/27	F/127	D/30	C/23	D/32	C/23	D/28	C/23	D/29	F/80	D/29	F/113	D/30	F/110	C/27	C/27	D/29	C/25	
2 I-80 EB: Pedrick Rd to Lane Add	Basic	C/27	C/25	D/31	F/108	D/32	C/26	D/32	C/26	D/32	C/27	D/32	F/92	D/31	F/103	D/31	F/82	D/31	E/40	D/31	D/30	
3 I-80 EB: Lane Add to Kidwell Rd	Basic	B/20	B/19	C/23	F/96	C/23	B/20	C/23	C/21	C/23	B/20	C/23	F/88	C/23	F/85	C/23	F/61	C/23	E/37	C/23	C/25	
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	B/13	B/13	B/16	F/137	B/16	B/13	B/16	B/19	B/16	B/14	B/17	F/115	B/16	F/138	B/16	F/-	B/16	F/47	B/16	C/26	
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B/19	B/18	C/22	F/103	C/22	B/19	C/22	D/35	C/23	B/19	C/23	F/105	C/22	F/91	C/22	F/70	C/22	F/56	C/22	E/38	
6 I-80 EB: Kidwell Rd to SR 113	Weave	B/15	B/15	B/18	F/80	B/18	D/33	B/18	D/33	B/18	F/48	B/18	C/21	B/18	F/79	B/18	F/79	B/18	F/45	B/18	F/59	
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B/15	B/13	B/15	F/105	B/16	F/73	B/17	F/88	B/17	D/34	B/17	F/111	B/16	F/107	B/15	F/55	B/16	F/91	B/16	F/94	
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B/15	B/13	B/16	F/88	B/16	F/84	B/17	F/102	B/17	E/42	B/17	F/92	B/16	F/92	B/16	F/81	B/16	F/101	B/16	F/98	
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B/13	B/12	B/13	F/86	B/14	F/92	B/15	F/98	B/15	F/73	B/15	F/94	B/13	F/90	B/13	F/53	B/14	F/96	B/14	F/97	
10 I-80 EB: SR 113 On-ramp	Basic	B/13	C/25	B/13	F/82	B/14	F/94	B/14	F/94	B/14	F/91	B/14	F/90	B/13	F/87	B/13	F/51	B/14	F/91	B/14	F/93	
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B/14	E/38	B/14	F/57	B/15	F/67	B/15	F/66	B/15	F/65	B/15	F/64	B/14	F/63	B/13	E/37	B/15	F/65	B/15	F/67	
12 I-80 EB: Old Davis Rd On-ramp	Merge	A/9	F/85	A/10	F/69	A/8	F/62	A/8	F/62	A/8	F/63	A/8	F/62	A/7	F/102	B/17	F/117	A/8	F/62	A/8	F/61	
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B/15	F/66	B/16	F/86	B/17	F/86	B/17	F/93	B/17	F/92	B/17	F/98	B/15	F/93	B/17	F/72	F/90	B/16	F/88	B/16	F/91
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B/19	F/62	B/20	F/96												F/101	F/114				
I-80 EB: Lane Drop to Richards Blvd	Basic					C/21	F/66	C/21	F/70	C/21	F/70	C/21	F/73	B/19	F/73			C/21	F/68	C/21	F/69	
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	C/26	F/65	C/27	F/84											F/89	F/97					
16 I-80 EB: Richards Blvd Off-ramp	Diverge	C/27	F/66	D/30	F/86	C/20	F/84	C/21	F/92	C/21	F/98	C/21	F/101	B/19	F/113	F/73	F/100	B/20	F/92	B/20	F/92	
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	C/23	F/69	C/24	F/82	C/22	F/79	C/22	F/82	C/23	F/83	C/23	F/87	C/22	F/83	F/101	F/112	C/22	F/81	C/22	F/82	
18 I-80 EB: Richards Blvd On-ramp	Merge	C/21	F/63	D/35	F/86	B/19	F/80	B/19	F/84	B/20	F/85	B/20	F/87	C/21	F/86	F/90	F/106	B/19	F/86	B/19	F/83	
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	C/26	F/66	F/64	F/84	C/23	F/77	C/23	F/79	C/23	F/82	C/24	F/86	C/25	F/85	F/82	F/98	C/22	F/80	C/22	F/79	
20 I-80 EB: Mace Blvd Off-ramp	Diverge	C/24	F/45	E/42	F/48	B/15	F/48	B/15	F/48	B/15	F/48	B/16	F/48	C/21	F/48	E/43	F/51	B/15	F/48	B/15	F/48	
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	F/46	F/64	F/63	F/78	C/21	F/71	C/21	F/73	C/22	F/75	C/22	F/80	E/39	F/77	F/70	F/100	C/21	F/72	C/21	F/75	
22 I-80 EB: Mace Blvd SB On-ramp	Merge	F/49	F/73	F/61	F/127	C/21	F/114	C/22	F/120	C/25	F/125	C/24	F/131	F/45	F/131	F/58	F/153	C/21	F/115	C/21	F/123	
23 I-80 EB: Mace Blvd NB On-ramp	Merge	C/26	F/49	C/27	F/99	C/25	F/87	C/25	F/95	C/25	F/106	C/26	F/108	C/27	F/103	D/28	F/139	C/25	F/88	C/25	F/97	
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	D/28	E/40	D/28	F/68	C/27	F/59	C/27	F/64	C/28	F/69	C/28	F/71	D/29	F/70	D/29	F/88	C/27	F/60	C/27	F/65	
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C/28	F/47	C/28	F/71	C/24	F/64	C/24	F/68	C/25	F/72	C/26	F/77	D/28	F/72	D/29	F/92	C/24	F/68	C/24	F/68	
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	D/28	F/51	D/29	F/70	C/26	F/65	C/27	F/68	C/27	F/70	C/28	F/74	D/29	F/70	E/38	F/92	C/26	F/68	C/26	F/68	
27 I-80 EB: County Rd 32B On-ramp	Merge	D/30	F/52	E/35	F/98	D/29	F/94	D/29	F/100	D/29	F/107	D/30	F/110	D/33	F/99	F/50	F/129	C/28	F/101	C/28	F/97	
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	D/31	D/29	D/32	F/85	D/30	F/86	D/30	F/87	D/30	F/91	D/31	F/91	D/32	F/86	D/33	F/111	D/29	F/85	D/29	F/88	
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	E/38	D/30	D/32	F/90	D/31	F/91	D/31	F/90	D/31	F/96	D/33	F/96	D/32	F/90	E/36	F/109	D/30	F/89	D/30	F/93	
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	D/31	C/27	D/30	F/77	D/29	F/82	D/30	F/82	D/30	F/85	D/31	F/86	D/30	F/82			C/27	F/74	D/29	F/83	
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															D/33	F/108					
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															C/23	F/100					
31 I-80 EB: Enterprise Blvd to US 50	Weave	B/16	B/17	B/17	F/69	C/21	F/88	C/21	F/96	C/22	F/87	C/22	F/78	C/22	F/73	D/32	F/87	C/25	F/99	B/20	F/88	
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B/18	E/39	B/18	F/92											F/90	F/107					
US 50 EB: I-80 Off to On-ramp	Basic					C/23	F/101	C/23	F/101	C/23	F/100	C/24	F/100	C/23	F/96			C/23	F/100	C/22	F/100	
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	D/32	F/60	C/27	F/90											F/91	F/104					
34 US 50 EB: I-80 to Harbor Blvd	Weave	F/49	F/66	E/36	F/104	C/24	F/104	C/23	F/104	C/22	F/106	C/22	F/105	C/21	F/104	F/99	F/103	C/23	F/105	C/23	F/103	
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	F/55	F/79	D/33	F/90	C/22	F/91	C/22	F/90	C/21	F/91	C/20	F/91	C/20	F/91	F/65	F/92	C/21	F/91	C/21	F/91	
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	E/40	F/57	E/39	F/70	C/22	F/69	C/21	F/73	C/22	F/67	C/21	F/65	C/22	F/66	F/44	F/59	C/22	F/68	C/22	F/66	
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	F/53	F/66	F/54	F/70	C/25	F/85	C/25	F/85	C/25	F/78	C/24	F/76	C/25	F/72	F/59	F/73	C/25	F/82	C/25	F/83	
38 US 50 EB: Jefferson Blvd On-ramp	Merge	F/60	F/51	F/59	F/57	C/25	F/68	C/25	F/69	C/26	F/56	C/24	F/55	D/30	F/55	F/60	F/63	C/27	F/67	C/24	F/66	
39 US 50 EB: S River Rd On-ramp	Merge	F/72	F/76	F/64	F/68	C/25	F/71	C/27	F/69	C/27	E/36	C/23	D/29	D/29	D/31	F/71	F/78	D/29	F/64	C/24	F/63	
40 US 50 EB: I-5 Off-ramp	Basic	F/49	F/66	F/58	F/65	E/36	F/89	E/38	F/87	E/38	F/48	D/31	D/31	E/42	F/45	E/43	F/50	E/40	F/81	D/35	F/84	
41 US 50 EB: 5th St Off-ramp	Diverge	D/33	E/37	E/41	D/35	F/48	F/114	F/45	F/113	F/43	F/79	E/38	D/34	F/57	F/75	D/30	C/27	F/51	F/110	F/45	F/112	
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	F/46	F/56	F/51	F/60																	
US 50 EB: 5th St Off to I-5 On-ramp	Basic					E/41	F/83	E/35	F/83	E/40	F/69	D/33	E/37	F/49	F/67	C/28	B/20	F/47	F/80	E/39	F/82	
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	F/56	F/55																			
US 50 EB: Lane Drop to HOV Lane Add	Basic			F/58	F/64																	
US 50 EB: HOV Lane Add to I-5 On	Basic			F/46	F/55																	
44 US 50 EB: I-5 to 15th St	Weave	E/38	F/56	E/39	F/73	E/39	F/76	E/36	F/75	E/38	F/79	E/38	F/67	E/39	F/82	E/35	F/63	E/40	F/83	E/37	F/82	
45 US 50 EB: 15th St to 11th St	Basic	E/37	F/48	E/37	F/70	E/36	F/71	E/36	F/64	E/38	F/62	E/41	F/59	E/37	F/77	D/34	F/64	D/35	F/75	D/35	F/78	
46 US 50 EB: 11th St On-ramp	Merge	F/45	F/97	F/54	F/125	F/51	F/122	F/43	F/119	F/50	F/111	F/54	F/111	F/54	F/125	F/55	F/125	F/53	F/118	F/44	F/113	
47 US 50 EB: 16th St to SR 51/SR 99	Weave	C/26	F/50	C/24	F/62	C/25	F/66	C/25	F/64	C/24	F/63	C/24	F/62	C/24	F/64	C/24	F/62	C/25	F/63	C/25	F/61	



I-80/US 50 Managed Lanes  
Mainline Volume - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	B / 14	C / 19	B / 16	F / 54							C / 19	C / 23	B / 16	C / 26			B / 14	F / 94	B / 17	F / 84
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					C / 19	F / 90	C / 19	F / 96	C / 19	F / 80			B / 15	B / 12						
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					C / 18	F / 92	C / 18	F / 100	C / 19	F / 90			B / 14	B / 12						
62 I-80 EB: US 50 On-ramp	Basic/Merge	C / 19	E / 42	C / 23	F / 87	C / 23	F / 102	C / 23	F / 105	C / 23	F / 100	C / 19	C / 21	B / 16	E / 43	C / 22	C / 19	C / 21	F / 104	B / 17	F / 91
63 I-80 EB: US 50 to Reed Ave	Basic	C / 18	F / 62	C / 21	F / 95	C / 21	F / 103	C / 21	F / 105	C / 21	F / 102	C / 23	C / 23	C / 23	F / 66	D / 27	C / 24	C / 20	F / 105	C / 22	F / 100
64 I-80 EB: Reed Ave Off-ramp	Diverge	C / 19	F / 54	C / 22	F / 67	C / 22	F / 68	C / 21	F / 68	C / 22	F / 67	C / 21	C / 22	C / 21	F / 86	D / 26	D / 27	C / 21	F / 68	C / 20	F / 102
65 I-80 EB: Reed Ave Off to On-ramp	Basic	B / 13	F / 49	B / 16	F / 57	B / 14	F / 66	B / 14	F / 68	B / 14	F / 67	C / 22	C / 23	C / 22	F / 63	B / 17	D / 35	B / 14	F / 67	C / 21	F / 67
66 I-80 EB: Reed Ave On-ramp	Merge	B / 15	D / 31	C / 20	F / 63	B / 17	F / 120	B / 16	F / 121	B / 17	F / 126	B / 14	C / 23	B / 15	F / 53	C / 24	F / 57	B / 17	F / 117	B / 14	F / 67
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 16	D / 29	C / 21	F / 71											C / 25	D / 33				
I-80 EB: Reed Ave to W El Camino Ave	Basic					C / 19	F / 91	C / 18	F / 94	C / 19	F / 94	B / 18	D / 35	C / 19	E / 41			C / 19	F / 91	B / 17	F / 118
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 16	D / 28	C / 21	F / 74									B / 16	C / 21						
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 16	D / 30	C / 21	F / 84	C / 19	F / 90	C / 19	F / 92	C / 21	F / 93	C / 21	F / 73	C / 21	F / 66	B / 14	C / 18	C / 19	F / 91	C / 19	F / 90
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	B / 13	C / 20	B / 15	F / 95	B / 13	F / 99	B / 14	F / 99	B / 15	F / 100	B / 15	F / 87	B / 14	F / 74	B / 12	B / 14	B / 14	F / 99	B / 13	F / 98
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	B / 13	B / 17	B / 15	F / 74	B / 14	F / 73	B / 14	F / 72	B / 15	F / 72	B / 15	F / 70	B / 14	F / 63	B / 13	B / 14	B / 14	F / 72	B / 14	F / 73
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	B / 16	C / 20	B / 12	F / 62	B / 12	F / 61	B / 12	F / 60	B / 12	F / 62	B / 12	F / 61	B / 11	F / 57	A / 11	B / 11	B / 12	F / 63	B / 12	F / 61
73 I-80 EB: W El Camino Ave to I-5	Basic	B / 16	D / 28	B / 17	F / 72	B / 17	F / 71	B / 17	F / 72	B / 17	F / 72	B / 18	F / 72	B / 17	F / 71	B / 15	B / 17	B / 17	F / 72	B / 17	F / 72
74 I-80 EB: I-5 Off-ramp	Basic	B / 16	D / 32	B / 17	F / 52	B / 17	F / 55	B / 17	F / 53	B / 17	F / 54	B / 17	F / 51	B / 16	F / 52	B / 15	B / 16	B / 17	F / 52	B / 16	F / 54
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	B / 16	E / 44	B / 15	F / 53	B / 15	F / 54	B / 15	F / 55	B / 15	F / 56	B / 15	F / 55	B / 14	F / 53	B / 14	B / 15	B / 15	F / 55	B / 15	F / 56
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	C / 23	F / 85	C / 23	F / 95	C / 26	F / 96	D / 28	F / 99	D / 33	F / 97	D / 29	F / 96	C / 23	F / 95	C / 23	D / 35	D / 28	F / 97	C / 25	F / 96
77 I-80 EB: I-5 SB On-ramp	Merge	D / 32	F / 73	D / 31	F / 94	E / 43	F / 95	F / 49	F / 100	F / 53	F / 98	F / 47	F / 97	E / 41	F / 94	E / 37	F / 45	F / 53	F / 98	E / 42	F / 99
78 I-80 EB: I-5 to Truxel Rd	Weave	D / 31	E / 41	D / 27	F / 74	D / 26	F / 75	D / 26	F / 80	D / 27	F / 80	D / 27	F / 79	D / 26	F / 75	D / 26	F / 47	D / 27	F / 77	D / 27	F / 78
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	D / 31	E / 37	D / 27	F / 82	C / 25	F / 83	C / 25	F / 84	C / 25	F / 85	C / 25	F / 85	C / 25	F / 83	C / 25	F / 68	C / 25	F / 83	C / 25	F / 83
80 I-80 EB: Truxel Rd SB On-ramp	Basic	C / 24	E / 44	C / 22	F / 82	C / 21	F / 82	C / 21	F / 83	C / 21	F / 83	C / 21	F / 82	C / 21	F / 83	C / 21	F / 78	C / 21	F / 83	C / 21	F / 82
81 I-80 EB: Truxel Rd NB On-ramp	Merge	C / 24	F / 51	C / 22	F / 79	C / 21	F / 77	C / 21	F / 82	C / 21	F / 84	C / 21	F / 85	C / 22	F / 79	C / 21	F / 78	C / 21	F / 78	C / 21	F / 78
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	D / 28	F / 57	C / 26	F / 61	C / 25	F / 61	C / 25	F / 62	C / 25	F / 62	C / 25	F / 62	C / 26	F / 61	C / 25	F / 61	C / 25	F / 61	C / 25	F / 61
83 I-80 EB: Northgate Blvd Off-ramp	Basic	D / 30	F / 51	D / 27	F / 51	D / 27	F / 50	D / 27	F / 51	D / 28	F / 51	D / 27	F / 52	D / 27	F / 51	D / 27	F / 51	D / 27	F / 51	D / 28	F / 51

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	C/24	C/22	D/32	F/113	E/37	F/101	D/30	F/116	D/31	F/79	D/30	F/96	D/34	F/107	D/35	F/109	D/29	F/107	D/31	F/100
2 I-80 EB: Pedrick Rd to Lane Add	Basic	C/28	C/25	D/32	F/108	D/31	F/110	D/31	F/116	D/31	F/85	D/31	F/98	D/31	F/100	D/32	F/94	D/31	F/111	D/31	F/104
3 I-80 EB: Lane Add to Kidwell Rd	Basic	C/20	B/19	C/23	F/98	C/22	F/102	C/23	F/104	C/23	F/80	C/23	F/89	C/23	F/86	C/23	F/77	C/23	F/103	C/23	F/97
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	B/14	B/13	B/16	F/131	B/15	F/131	B/16	F/134	B/16	F/111	B/16	F/117	B/16	F/128	B/16	F/-	B/16	F/126	B/16	F/124
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B/20	B/18	C/23	F/105	C/22	F/110	C/22	F/111	C/22	F/98	C/22	F/98	C/22	F/91	C/23	F/80	C/22	F/109	C/22	F/107
6 I-80 EB: Kidwell Rd to SR 113	Weave	B/16	B/15	B/18	F/75	B/18	F/78	B/18	F/79	B/18	F/77	B/18	F/77	B/18	F/76	B/18	F/86	B/18	F/78	B/18	F/78
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B/15	B/13	B/16	F/105	B/16	F/113	B/16	F/111	B/16	F/109	B/16	F/108	B/16	F/104	B/15	F/83	B/16	F/108	B/16	F/109
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B/15	B/13	B/16	F/86	B/16	F/108	B/16	F/106	B/16	F/99	B/16	F/100	B/16	F/84	B/15	F/111	B/16	F/106	B/16	F/102
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B/14	B/12	B/14	F/81	B/14	F/101	B/14	F/98	B/14	F/97	B/14	F/93	B/14	F/87	D/31	F/80	B/14	F/96	B/14	F/96
10 I-80 EB: SR 113 On-ramp	Basic	B/13	B/10	B/13	F/81	B/14	F/94	B/14	F/93	B/14	F/92	B/14	F/87	B/13	F/85	F/97	F/59	B/14	F/91	B/14	F/90
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B/14	B/17	B/14	F/57	B/15	F/66	B/15	F/66	B/15	F/67	B/15	F/66	B/14	F/62	F/97	F/45	B/15	F/66	B/15	F/65
12 I-80 EB: Old Davis Rd On-ramp	Merge	A/9	E/40	B/10	F/63	A/8	F/63	A/8	F/67	A/8	F/60	A/8	F/60	A/7	F/66	F/73	F/126	A/8	F/60	A/8	F/61
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B/15	F/43	B/16	F/85	B/16	F/96	B/17	F/98	B/17	F/89	B/17	F/82	B/15	F/92	F/128	F/95	B/16	F/94	B/16	F/89
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B/19	F/50	D/33	F/93											F/104	F/117				
I-80 EB: Lane Drop to Richards Blvd	Basic					C/21	F/71	C/21	F/72	C/21	F/69	C/21	F/66	B/20	F/74			C/21	F/71	C/21	F/69
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	C/27	F/57	F/51	F/80											F/89	F/102				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	D/32	F/61	F/64	F/84	C/20	F/97	C/20	F/95	C/20	F/87	C/21	F/84	B/19	F/101	F/76	F/102	C/20	F/93	C/20	F/87
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	C/22	F/69	F/91	F/80	C/21	F/82	C/21	F/83	C/21	F/82	C/22	F/77	C/21	F/79	F/103	F/116	C/21	F/83	C/21	F/82
18 I-80 EB: Richards Blvd On-ramp	Merge	C/20	F/64	F/90	F/87	B/19	F/90	B/19	F/89	B/19	F/80	B/19	F/73	C/21	F/77	F/91	F/99	B/19	F/86	B/18	F/84
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	C/23	F/66	F/78	F/83	C/22	F/83	C/22	F/83	C/22	F/79	C/22	F/75	C/24	F/77	F/81	F/93	C/22	F/82	C/22	F/81
20 I-80 EB: Mace Blvd Off-ramp	Diverge	B/16	F/45	E/42	F/47	B/15	F/47	B/15	F/48	B/15	F/48	B/15	F/47	B/16	F/47	E/43	F/51	B/15	F/47	B/14	F/47
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	C/24	F/65	F/64	F/78	B/20	F/75	B/20	F/77	B/20	F/74	C/20	F/66	C/24	F/71	F/71	F/96	B/20	F/76	B/20	F/76
22 I-80 EB: Mace Blvd SB On-ramp	Merge	D/30	F/73	F/65	F/127	B/20	F/122	B/20	F/127	C/20	F/115	C/20	F/102	D/32	F/106	F/60	F/145	C/20	F/124	B/20	F/125
23 I-80 EB: Mace Blvd NB On-ramp	Merge	C/26	F/50	C/27	F/98	C/24	F/94	C/24	F/109	C/24	F/88	C/24	F/69	C/27	F/72	E/36	F/121	C/24	F/97	C/24	F/97
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	C/27	E/42	D/34	F/68	C/26	F/69	C/26	F/72	C/26	F/65	C/26	F/51	D/28	F/58	F/76	F/80	C/26	F/66	C/26	F/66
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C/27	F/46	F/81	F/69	C/23	F/75	C/23	F/75	C/23	F/69	C/24	F/58	E/41	F/62	F/106	F/83	C/23	F/73	C/23	F/71
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	C/27	F/50	F/77	F/68	C/25	F/72	C/25	F/73	C/25	F/67	C/26	F/61	F/64	F/62	F/105	F/85	C/25	F/71	C/25	F/71
27 I-80 EB: County Rd 32B On-ramp	Merge	C/28	F/52	F/56	F/95	C/27	F/107	D/30	F/107	D/28	F/93	D/29	F/75	F/54	F/75	F/82	F/112	D/31	F/103	D/28	F/104
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	D/32	D/29	D/33	F/83	D/28	F/86	D/29	F/90	D/29	F/85	D/29	F/74	D/32	F/73	F/83	F/96	D/29	F/86	D/29	F/88
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	F/49	D/31	E/35	F/88	D/30	F/99	D/33	F/101	D/32	F/89	D/31	F/76	E/35	F/74	F/90	F/98	D/32	F/94	D/30	F/92
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	D/30	C/26	D/32	F/76	C/28	F/83	D/28	F/83	D/28	F/77	D/28	F/69	D/31	F/68			C/26	F/73	D/28	F/80
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															F/97	F/102				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															F/87	F/90				
31 I-80 EB: Enterprise Blvd to US 50	Weave	B/15	B/17	B/17	F/88	C/20	F/94	C/20	F/86	C/21	F/75	C/21	F/78	C/21	F/75	F/64	F/50	C/23	F/70	B/19	F/78
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B/16	E/42	B/18	F/91											F/112	F/113				
US 50 EB: I-80 Off to On-ramp	Basic					C/21	F/61	C/21	E/35	C/24	F/52	C/21	F/89	C/21	F/90			C/21	F/64	C/20	F/79
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	C/24	F/61	D/33	F/93											F/97	F/103				
34 US 50 EB: I-80 to Harbor Blvd	Weave	E/35	F/67	F/75	F/110	C/21	F/104	C/20	F/94	C/28	F/96	B/19	F/103	B/19	F/102	F/103	F/105	B/20	F/104	C/21	F/104
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	F/44	F/83	F/55	F/96	B/20	F/92	B/19	F/92	C/23	F/92	B/18	F/90	B/19	F/90	F/69	F/93	B/19	F/93	B/19	F/93
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	E/37	F/61	F/50	F/78	C/20	F/84	B/19	F/80	C/24	F/69	B/19	F/66	C/21	F/69	F/49	F/64	C/20	F/81	C/20	F/80
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	F/52	F/69	F/59	F/71	C/23	F/80	C/22	F/82	C/27	F/81	C/22	F/77	C/24	F/74	F/66	F/83	C/23	F/80	C/23	F/81
38 US 50 EB: Jefferson Blvd On-ramp	Merge	F/61	F/55	F/61	F/59	C/23	F/65	C/25	F/68	C/27	F/62	C/22	F/55	C/24	F/59	F/63	F/70	C/25	F/66	C/23	F/64
39 US 50 EB: S River Rd On-ramp	Merge	F/73	F/82	F/74	F/91	C/24	F/71	C/26	F/77	D/33	F/58	C/21	D/32	C/23	F/49	F/75	F/92	D/29	F/70	C/24	F/66
40 US 50 EB: I-5 Off-ramp	Basic	F/55	F/58	F/64	F/72	D/33	F/83	D/33	F/86	E/36	F/69	D/30	D/35	D/33	F/72	E/35	F/49	E/41	F/81	D/34	F/75
41 US 50 EB: 5th St Off-ramp	Diverge	D/33	D/33	E/42	E/36	E/41	F/108	E/42	F/111	F/46	F/88	E/35	F/43	E/42	F/97	C/24	C/25	F/51	F/105	F/44	F/102
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	F/52	F/53	F/56	F/60																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					D/35	F/80	D/30	F/82	D/34	F/69	D/28	F/47	F/44	F/72	C/21	B/18	E/41	F/77	D/35	F/77
43 US 50 EB: Lane Drop to I-5 On-ramp	Basic	F/59	F/60																		
US 50 EB: Lane Drop to HOV Lane Add	Basic			F/64	F/64																
US 50 EB: HOV Lane Add to I-5 On	Basic			F/48	F/53																
44 US 50 EB: I-5 to 15th St	Weave	E/35	F/52	E/39	F/65	E/37	F/68	E/37	F/74	E/37	F/70	E/37	F/63	E/38	F/78	D/35	F/54	E/39	F/73	E/39	F/77
45 US 50 EB: 15th St to 11th St	Basic	D/33	F/45	D/34	F/64	D/34	F/56	D/32	F/58	E/35	F/53	E/35	F/53	D/35	F/71	D/32	F/60	D/34	F/67	D/34	F/70
46 US 50 EB: 11th St On-ramp	Merge	E/42	F/99	F/56	F/124	F/52	F/121	F/51	F/120	F/52	F/104	F/55	F/106	F/55	F/125	F/57	F/122	F/53	F/111	F/56	F/105
47 US 50 EB: 16th St to SR 51/SR 99	Weave	C/23	F/52	C/20	F/62	C/21	F/64	C/22	F/64	C/20	F/62	C/21	F/61	C/21	F/64	C/20	F/62	C/21	F/62	C/21	F/60

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 3  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	B / 16	E / 38	C / 23	F / 90							C / 23	F / 75	C / 23	F / 88			C / 18	F / 107	C / 20	F / 92
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					C / 23	F / 94	C / 24	F / 97	C / 23	F / 93					B / 17	B / 14				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					C / 22	F / 97	C / 23	F / 100	C / 22	F / 95					B / 16	B / 14				
62 I-80 EB: US 50 On-ramp	Basic/Merge	B / 17	F / 63	C / 23	F / 98	C / 22	F / 105	C / 22	F / 106	C / 22	F / 103	C / 23	F / 74	C / 22	F / 89	C / 20	C / 21	C / 20	F / 107	C / 20	F / 97
63 I-80 EB: US 50 to Reed Ave	Basic	B / 17	F / 74	C / 23	F / 99	C / 21	F / 105	C / 21	F / 106	C / 21	F / 104	C / 21	F / 86	C / 22	F / 89	C / 26	E / 35	C / 19	F / 107	C / 23	F / 105
64 I-80 EB: Reed Ave Off-ramp	Diverge	C / 18	F / 60	C / 24	F / 68	C / 21	F / 68	C / 21	F / 68	C / 21	F / 67	C / 21	F / 90	C / 22	F / 93	D / 26	E / 37	C / 20	F / 69	C / 21	F / 106
65 I-80 EB: Reed Ave Off to On-ramp	Basic	B / 13	F / 51	B / 17	F / 62	B / 15	F / 68	B / 15	F / 68	B / 15	F / 69	B / 15	F / 67	C / 21	F / 63	C / 24	F / 66	B / 16	E / 43	B / 14	F / 68
66 I-80 EB: Reed Ave On-ramp	Merge	B / 15	D / 34	C / 22	F / 87	B / 17	F / 118	B / 17	F / 122	B / 17	F / 123	B / 15	F / 54	B / 17	F / 56	C / 23	F / 62	B / 17	F / 121	B / 15	F / 68
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 16	D / 30	C / 23	F / 77											C / 24	F / 45				
I-80 EB: Reed Ave to W El Camino Ave	Basic					C / 19	F / 89	C / 19	F / 92	C / 19	F / 89	B / 17	F / 89	C / 20	F / 64			C / 19	F / 90	B / 17	F / 122
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 16	D / 31	C / 22	F / 72											B / 15	C / 23				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 16	E / 36	C / 22	F / 82	C / 19	F / 86	C / 20	F / 90	C / 20	F / 88	C / 20	F / 82	C / 21	F / 69	B / 13	C / 21	C / 19	F / 89	C / 19	F / 90
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	B / 13	C / 19	B / 16	F / 94	B / 14	F / 95	B / 15	F / 96	B / 15	F / 97	B / 15	F / 95	B / 16	F / 83	B / 11	B / 13	B / 14	F / 96	B / 15	F / 98
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	B / 13	B / 16	B / 15	F / 74	B / 14	F / 73	B / 14	F / 74	B / 14	F / 73	B / 14	F / 72	B / 14	F / 70	B / 12	B / 13	B / 14	F / 73	B / 14	F / 73
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	B / 14	C / 21	B / 12	F / 62	B / 11	F / 62	B / 11	F / 63	B / 11	F / 63	B / 11	F / 63	B / 11	F / 60	A / 10	A / 11	B / 11	F / 61	A / 11	F / 62
73 I-80 EB: W El Camino Ave to I-5	Basic	B / 14	D / 30	B / 17	F / 72	B / 16	F / 72	B / 16	F / 73	B / 17	F / 73	B / 17	F / 73	B / 17	F / 71	B / 14	B / 15	B / 16	F / 72	B / 16	F / 71
74 I-80 EB: I-5 Off-ramp	Basic	B / 14	D / 30	B / 17	F / 50	B / 16	F / 51	B / 16	F / 51	B / 16	F / 51	B / 16	F / 51	B / 16	F / 50	B / 14	B / 15	B / 16	F / 53	B / 16	F / 51
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	B / 13	E / 35	B / 15	F / 52	B / 14	F / 52	B / 14	F / 55	B / 15	F / 54	B / 15	F / 54	B / 14	F / 51	B / 13	B / 13	B / 14	F / 54	B / 14	F / 53
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	C / 19	F / 68	C / 23	F / 94	D / 28	F / 94	D / 27	F / 96	D / 32	F / 95	D / 32	F / 95	C / 22	F / 93	C / 21	D / 30	D / 33	F / 94	D / 27	F / 96
77 I-80 EB: I-5 SB On-ramp	Merge	D / 29	F / 63	D / 34	F / 86	F / 51	F / 84	F / 48	F / 90	F / 59	F / 90	F / 47	F / 86	E / 35	F / 84	D / 32	E / 36	F / 61	F / 88	E / 44	F / 88
78 I-80 EB: I-5 to Truxel Rd	Weave	C / 24	E / 39	C / 26	F / 68	C / 24	F / 68	C / 24	F / 74	C / 23	F / 75	C / 24	F / 72	C / 24	F / 68	C / 24	D / 33	C / 24	F / 72	C / 24	F / 72
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	C / 23	E / 43	C / 24	F / 82	C / 22	F / 83	C / 22	F / 85	C / 21	F / 85	C / 21	F / 85	C / 22	F / 83	C / 23	E / 44	C / 22	F / 84	C / 22	F / 83
80 I-80 EB: Truxel Rd SB On-ramp	Basic	C / 20	E / 45	C / 21	F / 82	C / 19	F / 82	C / 19	F / 83	C / 19	F / 82	C / 19	F / 83	C / 20	F / 82	C / 20	F / 53	C / 19	F / 82	C / 19	F / 83
81 I-80 EB: Truxel Rd NB On-ramp	Merge	C / 19	F / 51	C / 23	F / 81	C / 21	F / 79	C / 21	F / 82	C / 21	F / 85	C / 20	F / 84	C / 21	F / 81	C / 22	F / 74	C / 21	F / 80	C / 21	F / 80
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	C / 23	F / 55	C / 26	F / 62	C / 24	F / 61	C / 24	F / 61	C / 24	F / 62	C / 24	F / 62	C / 24	F / 61	C / 25	F / 59	C / 24	F / 61	C / 24	F / 61
83 I-80 EB: Northgate Blvd Off-ramp	Basic	C / 24	F / 50	D / 28	F / 51	C / 26	F / 50	C / 25	F / 50	C / 25	F / 51	C / 25	F / 52	D / 26	F / 50	D / 26	F / 49	C / 26	F / 51	D / 26	F / 50

I-80/US 50 Managed Lanes  
 Mainline Volume - Hour 4  
 Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1 I-80 EB: Pedrick Rd On-ramp	Merge	B / 16	B / 18	B / 20	<b>F / 119</b>	B / 19	<b>F / 99</b>	B / 20	<b>F / 111</b>	B / 19	<b>F / 95</b>	B / 19	<b>F / 83</b>	B / 19	<b>F / 103</b>	B / 19	<b>F / 132</b>	B / 20	<b>F / 103</b>	B / 20	<b>F / 104</b>
2 I-80 EB: Pedrick Rd to Lane Add	Basic	B / 19	C / 20	C / 23	<b>F / 105</b>	C / 23	<b>F / 97</b>	C / 23	<b>F / 109</b>	C / 23	<b>F / 100</b>	C / 23	<b>F / 86</b>	C / 23	<b>F / 104</b>	C / 23	<b>F / 109</b>	C / 23	<b>F / 104</b>	C / 23	<b>F / 104</b>
3 I-80 EB: Lane Add to Kidwell Rd	Basic	B / 14	B / 15	B / 17	<b>F / 87</b>	B / 17	<b>F / 88</b>	B / 17	<b>F / 100</b>	B / 17	<b>F / 95</b>	B / 17	<b>F / 81</b>	B / 17	<b>F / 89</b>	B / 17	<b>F / 94</b>	B / 17	<b>F / 96</b>	B / 17	<b>F / 93</b>
4 I-80 EB: Kidwell Rd Off-ramp	Diverge	A / 9	B / 10	B / 11	<b>F / 137</b>	B / 11	<b>F / 115</b>	B / 11	<b>F / 128</b>	B / 11	<b>F / 121</b>	B / 11	<b>F / 109</b>	B / 11	<b>F / 132</b>	B / 11	<b>F / -</b>	B / 11	<b>F / 127</b>	B / 11	<b>F / 124</b>
5 I-80 EB: Kidwell Rd Off to On-ramp	Basic	B / 14	B / 15	B / 17	<b>F / 93</b>	B / 17	<b>F / 97</b>	B / 17	<b>F / 109</b>	B / 17	<b>F / 103</b>	B / 17	<b>F / 94</b>	B / 17	<b>F / 92</b>	B / 16	<b>F / 98</b>	B / 17	<b>F / 103</b>	B / 17	<b>F / 99</b>
6 I-80 EB: Kidwell Rd to SR 113	Weave	B / 11	B / 12	B / 14	<b>F / 76</b>	B / 14	<b>F / 78</b>	B / 14	<b>F / 77</b>	B / 14	<b>F / 78</b>	B / 14	<b>F / 78</b>	B / 14	<b>F / 77</b>	B / 17	<b>F / 72</b>	B / 14	<b>F / 77</b>	B / 14	<b>F / 78</b>
7 I-80 EB: SR 113 to Old Davis Rd	Basic	B / 12	B / 12	B / 13	<b>F / 100</b>	B / 14	<b>F / 100</b>	B / 14	<b>F / 105</b>	B / 14	<b>F / 106</b>	B / 14	<b>F / 103</b>	B / 13	<b>F / 99</b>	C / 26	<b>F / 88</b>	B / 14	<b>F / 107</b>	B / 14	<b>F / 106</b>
8 I-80 EB: Old Davis Rd Off-ramp	Diverge	B / 11	B / 11	B / 12	<b>F / 108</b>	B / 13	<b>F / 110</b>	B / 13	<b>F / 119</b>	B / 12	<b>F / 112</b>	B / 13	<b>F / 107</b>	B / 12	<b>F / 106</b>	D / 31	<b>F / 109</b>	B / 13	<b>F / 116</b>	B / 13	<b>F / 114</b>
9 I-80 EB: Old Davis Rd Off to SR 113 On-ramp	Basic	B / 11	B / 11	B / 12	<b>F / 87</b>	B / 13	<b>F / 95</b>	B / 13	<b>F / 94</b>	B / 13	<b>F / 98</b>	B / 13	<b>F / 95</b>	B / 12	<b>F / 88</b>	<b>F / 67</b>	<b>F / 89</b>	B / 13	<b>F / 95</b>	B / 13	<b>F / 96</b>
10 I-80 EB: SR 113 On-ramp	Basic	A / 9	A / 10	B / 11	<b>F / 85</b>	B / 12	<b>F / 91</b>	B / 12	<b>F / 95</b>	B / 12	<b>F / 94</b>	B / 12	<b>F / 90</b>	B / 11	<b>F / 86</b>	<b>F / 110</b>	<b>F / 63</b>	B / 12	<b>F / 93</b>	B / 12	<b>F / 93</b>
11 I-80 EB: SR 113 On to Old Davis Rd On-ramp	Basic	B / 10	B / 11	B / 11	<b>F / 62</b>	B / 13	<b>F / 68</b>	B / 13	<b>F / 67</b>	B / 13	<b>F / 67</b>	B / 13	<b>F / 68</b>	B / 11	<b>F / 64</b>	<b>F / 127</b>	<b>F / 48</b>	B / 13	<b>F / 68</b>	B / 12	<b>F / 68</b>
12 I-80 EB: Old Davis Rd On-ramp	Merge	A / 6	B / 12	A / 7	<b>F / 52</b>	A / 7	<b>F / 58</b>	A / 7	<b>F / 62</b>	A / 7	<b>F / 59</b>	A / 7	<b>F / 58</b>	A / 6	<b>F / 61</b>	<b>F / 90</b>	<b>F / 128</b>	A / 7	<b>F / 59</b>	A / 7	<b>F / 58</b>
13 I-80 EB: Old Davis Rd to Lane Drop	Basic	B / 11	B / 18	B / 13	<b>F / 82</b>	B / 14	<b>F / 70</b>	B / 14	<b>F / 88</b>	B / 14	<b>F / 80</b>	B / 14	<b>F / 72</b>	B / 12	<b>F / 82</b>	<b>F / 147</b>	<b>F / 94</b>	B / 14	<b>F / 81</b>	B / 14	<b>F / 76</b>
14 I-80 EB: Lane Drop to 2nd Lane Drop	Basic	B / 14	C / 22	B / 19	<b>F / 86</b>											<b>F / 139</b>	<b>F / 117</b>				
I-80 EB: Lane Drop to Richards Blvd	Basic					B / 18	<b>F / 57</b>	B / 18	<b>F / 68</b>	B / 18	<b>F / 62</b>	B / 18	<b>F / 59</b>	B / 16	<b>F / 69</b>			B / 18	<b>F / 64</b>	B / 18	<b>F / 61</b>
15 I-80 EB: 2nd Lane Drop to Richards Blvd	Basic	B / 19	C / 27	D / 29	<b>F / 71</b>											<b>F / 117</b>	<b>F / 103</b>				
16 I-80 EB: Richards Blvd Off-ramp	Diverge	C / 20	D / 29	D / 33	<b>F / 75</b>	B / 18	<b>F / 68</b>	B / 18	<b>F / 88</b>	B / 18	<b>F / 75</b>	B / 18	<b>F / 71</b>	B / 16	<b>F / 88</b>	<b>F / 97</b>	<b>F / 96</b>	B / 18	<b>F / 79</b>	B / 17	<b>F / 74</b>
17 I-80 EB: Richards Blvd Off to On-ramp	Basic	B / 16	D / 31	<b>F / 44</b>	<b>F / 77</b>	B / 19	<b>F / 69</b>	B / 18	<b>F / 79</b>	B / 19	<b>F / 74</b>	B / 19	<b>F / 70</b>	B / 17	<b>F / 73</b>	<b>F / 131</b>	<b>F / 118</b>	B / 19	<b>F / 77</b>	B / 18	<b>F / 74</b>
18 I-80 EB: Richards Blvd On-ramp	Merge	B / 15	D / 32	<b>F / 63</b>	<b>F / 75</b>	B / 16	<b>F / 67</b>	B / 16	<b>F / 79</b>	B / 16	<b>F / 72</b>	B / 17	<b>F / 68</b>	B / 17	<b>F / 65</b>	<b>F / 118</b>	<b>F / 98</b>	B / 16	<b>F / 75</b>	B / 16	<b>F / 72</b>
19 I-80 EB: Richards Blvd to Mace Blvd	Basic	B / 17	<b>F / 49</b>	<b>F / 70</b>	<b>F / 75</b>	B / 19	<b>F / 69</b>	B / 19	<b>F / 76</b>	B / 19	<b>F / 73</b>	B / 20	<b>F / 71</b>	B / 19	<b>F / 69</b>	<b>F / 100</b>	<b>F / 93</b>	B / 19	<b>F / 75</b>	B / 19	<b>F / 72</b>
20 I-80 EB: Mace Blvd Off-ramp	Diverge	B / 12	E / 42	E / 40	<b>F / 46</b>	B / 13	<b>F / 44</b>	B / 12	<b>F / 45</b>	B / 12	<b>F / 46</b>	B / 13	<b>F / 45</b>	B / 13	<b>F / 45</b>	<b>F / 44</b>	<b>F / 47</b>	B / 13	<b>F / 46</b>	B / 13	<b>F / 45</b>
21 I-80 EB: Mace Blvd Off to On-ramp	Basic	B / 16	<b>F / 64</b>	<b>F / 61</b>	<b>F / 70</b>	B / 17	<b>F / 63</b>	B / 17	<b>F / 69</b>	B / 17	<b>F / 66</b>	B / 18	<b>F / 63</b>	B / 18	<b>F / 65</b>	<b>F / 79</b>	<b>F / 96</b>	B / 17	<b>F / 69</b>	B / 17	<b>F / 66</b>
22 I-80 EB: Mace Blvd SB On-ramp	Merge	B / 16	<b>F / 67</b>	<b>F / 55</b>	<b>F / 99</b>	B / 18	<b>F / 85</b>	B / 18	<b>F / 107</b>	B / 18	<b>F / 94</b>	B / 19	<b>F / 89</b>	B / 20	<b>F / 83</b>	<b>F / 86</b>	<b>F / 139</b>	B / 19	<b>F / 103</b>	B / 18	<b>F / 95</b>
23 I-80 EB: Mace Blvd NB On-ramp	Merge	B / 18	<b>F / 48</b>	C / 27	<b>F / 66</b>	C / 23	<b>F / 51</b>	C / 22	<b>F / 76</b>	C / 22	<b>F / 65</b>	C / 23	<b>F / 55</b>	C / 23	<b>F / 52</b>	<b>F / 82</b>	<b>F / 116</b>	C / 22	<b>F / 69</b>	C / 22	<b>F / 59</b>
24 I-80 EB: Mace Blvd to County Rd 32B	Basic	C / 20	E / 40	D / 31	<b>F / 50</b>	C / 24	E / 39	C / 24	<b>F / 54</b>	C / 24	<b>F / 51</b>	C / 24	E / 38	C / 25	<b>F / 44</b>	<b>F / 106</b>	<b>F / 77</b>	C / 24	<b>F / 49</b>	C / 24	E / 41
25 I-80 EB: County Rd 32B Off-ramp	Diverge	C / 20	<b>F / 44</b>	<b>F / 53</b>	<b>F / 52</b>	C / 21	<b>F / 43</b>	C / 21	<b>F / 59</b>	C / 22	<b>F / 53</b>	C / 22	<b>F / 44</b>	C / 24	<b>F / 47</b>	<b>F / 110</b>	<b>F / 81</b>	C / 21	<b>F / 50</b>	C / 21	<b>F / 43</b>
26 I-80 EB: County Rd 32B Off to On-ramp	Basic	C / 21	<b>F / 48</b>	<b>F / 59</b>	<b>F / 55</b>	C / 23	<b>F / 48</b>	C / 23	<b>F / 61</b>	C / 23	<b>F / 58</b>	C / 23	<b>F / 49</b>	C / 25	<b>F / 51</b>	<b>F / 112</b>	<b>F / 83</b>	C / 23	<b>F / 55</b>	C / 23	<b>F / 50</b>
27 I-80 EB: County Rd 32B On-ramp	Merge	B / 19	<b>F / 51</b>	<b>F / 47</b>	<b>F / 59</b>	C / 22	<b>F / 63</b>	C / 21	<b>F / 82</b>	C / 22	<b>F / 79</b>	C / 22	<b>F / 57</b>	C / 25	<b>F / 54</b>	<b>F / 98</b>	<b>F / 108</b>	C / 22	<b>F / 67</b>	C / 22	<b>F / 60</b>
28 I-80 EB: County Rd 32B to Enterprise Blvd	Basic	C / 22	D / 29	D / 34	<b>F / 61</b>	C / 25	<b>F / 75</b>	C / 25	<b>F / 80</b>	C / 25	<b>F / 79</b>	C / 25	<b>F / 64</b>	C / 27	<b>F / 49</b>	<b>F / 106</b>	<b>F / 95</b>	C / 25	<b>F / 68</b>	C / 25	<b>F / 63</b>
29 I-80 EB: Enterprise Blvd Off-ramp	Diverge	C / 26	D / 30	<b>F / 46</b>	<b>F / 69</b>	C / 26	<b>F / 76</b>	C / 25	<b>F / 82</b>	C / 26	<b>F / 80</b>	C / 26	<b>F / 70</b>	C / 27	<b>F / 64</b>	<b>F / 105</b>	<b>F / 96</b>	C / 25	<b>F / 69</b>	C / 25	<b>F / 69</b>
30 I-80 EB: Enterprise Blvd Off to On-ramp	Basic	C / 22	C / 27	E / 43	<b>F / 64</b>	C / 24	<b>F / 69</b>	C / 24	<b>F / 74</b>	C / 24	<b>F / 71</b>	C / 24	<b>F / 66</b>	C / 25	<b>F / 61</b>			C / 22	<b>F / 65</b>	C / 24	<b>F / 64</b>
I-80 EB: Enterprise Blvd Off-ramp to Lane Add	Basic															<b>F / 110</b>	<b>F / 102</b>				
I-80 EB: Lane Add to Enterprise Blvd On-ramp	Basic															<b>F / 103</b>	<b>F / 90</b>				
31 I-80 EB: Enterprise Blvd to US 50	Weave	B / 12	B / 15	<b>F / 55</b>	D / 28	B / 18	<b>F / 46</b>	B / 18	<b>F / 55</b>	B / 19	<b>F / 57</b>	B / 19	<b>F / 44</b>	B / 18	E / 39	<b>F / 105</b>	<b>F / 51</b>	C / 21	E / 42	B / 17	E / 42
32 US 50 EB: I-80 Off-ramp to Lane Drop	Basic	B / 12	B / 10	<b>F / 101</b>	D / 30											<b>F / 114</b>	<b>F / 117</b>				
US 50 EB: I-80 Off to On-ramp	Basic					B / 19	B / 14	B / 19	B / 14	B / 19	B / 14	B / 19	B / 18	B / 18	B / 16			B / 19	B / 15	B / 18	B / 16
33 US 50 EB: Lane Drop to I-80 On-ramp	Basic	B / 16	B / 14	<b>F / 120</b>	<b>F / 53</b>											<b>F / 101</b>	<b>F / 109</b>				
34 US 50 EB: I-80 to Harbor Blvd	Weave	B / 13	B / 12	<b>F / 108</b>	<b>F / 85</b>	B / 16	B / 18	B / 16	B / 15	B / 16	B / 17	B / 16	<b>F / 57</b>	C / 21	D / 34	<b>F / 107</b>	<b>F / 105</b>	B / 16	C / 20	B / 17	C / 23
35 US 50 EB: Harbor Blvd Off to On-ramp	Basic	B / 13	B / 12	<b>F / 69</b>	<b>F / 88</b>	B / 16	B / 18	C / 20	B / 14	B / 17	B / 15	B / 15	<b>F / 76</b>	D / 29	<b>F / 48</b>	<b>F / 72</b>	<b>F / 94</b>	B / 20	B / 19	C / 24	C / 23
36 US 50 EB: Harbor Blvd to Jefferson Blvd	Weave	B / 14	C / 20	<b>F / 54</b>	<b>F / 68</b>	C / 21	D / 32	D / 34	B / 17	C / 22	B / 18	B / 19	<b>F / 64</b>	E / 41	<b>F / 57</b>	<b>F / 51</b>	<b>F / 82</b>	C / 27	D / 30	E / 37	E / 37
37 US 50 EB: Jefferson Blvd Off to On-ramp	Basic	B / 18	<b>F / 45</b>	<b>F / 61</b>	<b>F / 69</b>	<b>F / 49</b>	<b>F / 67</b>	<b>F / 62</b>	D / 33	<b>F / 45</b>	D / 29	D / 32	<b>F / 81</b>	<b>F / 64</b>	<b>F / 70</b>	<b>F / 65</b>	<b>F / 86</b>	<b>F / 54</b>	<b>F / 63</b>	<b>F / 57</b>	<b>F / 68</b>
38 US 50 EB: Jefferson Blvd On-ramp	Merge	C / 21	E / 42	<b>F / 68</b>	<b>F / 48</b>	<b>F / 56</b>	<b>F / 54</b>	<b>F / 63</b>	D / 33	<b>F / 52</b>	E / 42	E / 38	<b>F / 62</b>	<b>F / 72</b>	<b>F / 53</b>	<b>F / 62</b>	<b>F / 73</b>	<b>F / 60</b>	<b>F / 51</b>	<b>F / 62</b>	<b>F / 53</b>
39 US 50 EB: S River Rd On-ramp	Merge	C / 21	<b>F / 68</b>	<b>F / 74</b>	<b>F / 49</b>	<b>F / 68</b>	E / 39	<b>F / 79</b>	C / 24	<b>F / 65</b>	<b>F / 61</b>	<b>F / 43</b>	<b>F / 73</b>	<b>F / 65</b>	E / 38	<b>F / 72</b>	<b>F / 97</b>	<b>F / 71</b>	<b>F / 44</b>	<b>F / 79</b>	<b>F / 45</b>
40 US 50 EB: I-5 Off-ramp	Basic	C / 24	<b>F / 48</b>	<b>F / 62</b>	E / 43	<b>F / 49</b>	E / 39	<b>F / 47</b>	C / 27	<b>F / 49</b>	E / 40	E / 43	<b>F / 48</b>	<b>F / 69</b>	E / 37	D / 34	<b>F / 47</b>	<b>F / 50</b>	E / 39	<b>F / 51</b>	E / 41
41 US 50 EB: 5th St Off-ramp	Diverge	B / 16	B / 14	<b>F / 46</b>	B / 15	<b>F / 58</b>	C / 28	<b>F / 51</b>	C / 25	<b>F / 49</b>	C / 25	<b>F / 51</b>	C / 26	<b>F / 92</b>	C / 24	C / 23	C / 21	<b>F / 56</b>	C / 28	<b>F / 56</b>	C / 28
42 US 50 EB: 5th St Off-ramp to Lane Drop	Basic	B / 19	B / 12	<b>F / 55</b>	B / 16																
US 50 EB: 5th St Off to I-5 On-ramp	Basic					<b>F / 53</b>	C / 23	<b>F / 45</b>	C / 21	<b>F / 47</b>											

I-80/US 50 Managed Lanes  
Mainline Volume - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
61 I-80 EB: US 50 Off to On-ramp	Basic	B / 12	D / 33	C / 22	F / 82							C / 19	F / 64	C / 19	F / 80			B / 15	F / 80	B / 17	F / 56
I-80 EB: US 50 Off-ramp to HOV Lane Add	Basic					C / 19	F / 58	C / 19	F / 70	C / 19	F / 65					B / 15	B / 15				
I-80 EB: HOV Lane Add to US 50 On-ramp	Basic					C / 18	F / 59	C / 19	F / 70	C / 18	F / 64					B / 14	C / 21				
62 I-80 EB: US 50 On-ramp	Basic/Merge	B / 13	E / 41	C / 20	F / 82	B / 17	F / 77	B / 17	F / 86	B / 17	F / 79	C / 18	F / 66	C / 19	F / 80	B / 15	F / 51	B / 15	F / 83	B / 17	F / 56
63 I-80 EB: US 50 to Reed Ave	Basic	B / 13	F / 49	C / 20	F / 84	B / 17	F / 81	B / 17	F / 89	B / 17	F / 84	B / 17	F / 80	B / 18	F / 81	C / 20	F / 67	B / 15	F / 84	B / 17	F / 75
64 I-80 EB: Reed Ave Off-ramp	Diverge	B / 13	D / 35	C / 20	F / 62	B / 17	F / 53	B / 17	F / 63	B / 16	F / 57	B / 17	F / 84	B / 18	F / 82	C / 20	F / 56	B / 16	F / 57	B / 17	F / 80
65 I-80 EB: Reed Ave Off to On-ramp	Basic	A / 10	D / 30	B / 17	F / 62	B / 13	F / 58	B / 13	F / 67	B / 13	F / 62	B / 17	F / 56	C / 18	F / 60	B / 15	F / 62	B / 12	F / 61	B / 17	F / 54
66 I-80 EB: Reed Ave On-ramp	Merge	B / 13	E / 42	C / 23	F / 68	B / 16	F / 96	B / 15	F / 113	B / 16	F / 98	B / 13	F / 60	B / 15	F / 61	C / 21	F / 71	B / 16	F / 92	B / 12	F / 56
67 I-80 EB: Reed Ave to HOV Lane Add	Basic	B / 13	D / 30	C / 23	D / 32											C / 22	F / 46				
I-80 EB: Reed Ave to W El Camino Ave	Basic					B / 17	F / 74	B / 17	F / 83	B / 17	F / 76	B / 16	F / 96	C / 19	F / 68			B / 17	F / 72	B / 16	F / 91
68 I-80 EB: HOV Lane Add to W El Camino Ave	Basic	B / 13	D / 29	C / 22	D / 31											B / 14	C / 23				
69 I-80 EB: W El Camino Ave Off-ramp	Diverge	B / 13	D / 32	C / 22	D / 33	B / 17	F / 64	B / 18	F / 78	C / 18	F / 69	C / 18	F / 64	C / 20	E / 36	B / 12	C / 20	B / 17	F / 60	B / 17	F / 65
70 I-80 EB: W El Camino Ave Off to EB On-ramp	Basic	A / 11	C / 20	B / 17	C / 21	B / 13	F / 71	B / 13	F / 89	B / 14	F / 77	B / 14	F / 66	B / 15	C / 21	A / 10	B / 14	B / 13	F / 63	B / 13	F / 74
71 I-80 EB: W El Camino Ave EB On-ramp	Merge	A / 10	B / 17	B / 14	B / 17	B / 12	F / 64	B / 12	F / 74	B / 12	F / 70	B / 12	F / 59	B / 13	B / 18	A / 10	B / 13	B / 12	F / 56	B / 12	F / 65
72 I-80 EB: W El Camino Ave WB On-ramp	Merge	A / 10	B / 17	A / 9	B / 13	A / 8	F / 53	A / 8	F / 62	A / 8	F / 59	A / 8	F / 49	A / 8	B / 14	A / 6	A / 10	A / 8	F / 48	A / 8	F / 55
73 I-80 EB: W El Camino Ave to I-5	Basic	A / 10	B / 18	B / 15	C / 19	B / 13	F / 63	B / 13	F / 71	B / 13	F / 69	B / 13	F / 59	B / 14	C / 22	B / 11	B / 15	B / 13	F / 58	B / 13	F / 66
74 I-80 EB: I-5 Off-ramp	Basic	A / 10	C / 18	B / 15	C / 20	B / 13	F / 46	B / 13	F / 51	B / 13	F / 50	B / 13	E / 43	B / 14	C / 23	B / 11	B / 15	B / 13	E / 44	B / 13	F / 48
75 I-80 EB: I-5 Off-ramp to Lane Drop	Basic	A / 10	B / 17	B / 15	C / 21	B / 12	E / 44	B / 13	F / 51	B / 13	F / 47	B / 13	E / 43	B / 14	C / 24	A / 10	B / 11	B / 13	E / 43	B / 12	F / 46
76 I-80 EB: Lane Drop to I-5 SB On-ramp	Basic	B / 14	C / 25	C / 23	E / 39	C / 19	F / 84	C / 19	F / 93	C / 19	F / 91	C / 20	F / 80	C / 20	F / 49	B / 16	B / 18	C / 19	F / 83	C / 19	F / 88
77 I-80 EB: I-5 SB On-ramp	Merge	C / 18	D / 31	D / 26	E / 39	C / 22	F / 65	C / 22	F / 71	C / 22	F / 69	C / 22	F / 63	C / 23	E / 45	C / 20	C / 22	C / 23	F / 64	C / 22	F / 68
78 I-80 EB: I-5 to Truxel Rd	Weave	C / 18	D / 26	C / 22	C / 24	C / 20	C / 25	C / 19	C / 24	C / 19	C / 24	C / 19	C / 24	C / 20	C / 25	C / 18	C / 20	C / 20	C / 25	C / 20	C / 26
79 I-80 EB: Truxel Rd Off to SB On-ramp	Basic	C / 19	C / 23	C / 24	C / 22	C / 20	C / 22	C / 20	C / 21	C / 20	C / 21	C / 19	C / 20	C / 21	C / 22	C / 19	B / 18	C / 20	C / 22	C / 20	C / 23
80 I-80 EB: Truxel Rd SB On-ramp	Basic	B / 15	C / 19	C / 19	C / 21	B / 17	C / 18	B / 16	B / 17	B / 16	B / 18	B / 16	B / 17	B / 17	C / 20	B / 16	B / 15	B / 17	C / 19	B / 17	C / 21
81 I-80 EB: Truxel Rd NB On-ramp	Merge	B / 14	B / 16	B / 18	C / 26	B / 16	B / 17	B / 16	B / 17	B / 15	C / 20	B / 15	B / 16	B / 16	D / 27	B / 16	B / 14	B / 16	C / 24	B / 16	D / 27
82 I-80 EB: Truxel Rd to Northgate Blvd	Basic	B / 17	C / 21	C / 22	E / 36	C / 20	C / 25	C / 20	C / 24	C / 19	D / 27	C / 19	C / 21	C / 20	E / 37	C / 19	B / 18	C / 20	D / 32	C / 20	E / 37
83 I-80 EB: Northgate Blvd Off-ramp	Basic	B / 17	C / 22	C / 23	D / 33	C / 20	D / 28	C / 20	D / 26	C / 19	D / 27	C / 19	C / 22	C / 20	D / 33	C / 19	C / 18	C / 20	D / 31	C / 20	D / 35

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9		
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
101 US 50 WB: SR 99 On-ramp	Merge	E / 35	E / 38	F / 99	F / 116	F / 74	F / 105	F / 74	F / 113	F / 83	F / 68	F / 80	F / 82	F / 98	F / 107	F / 155	F / 140	F / 72	F / 98	F / 71	F / 103	
102 US 50 WB: SR 51 to 16th St	Weave	D / 31	E / 40	F / 76	F / 90	E / 37	F / 64	E / 37	F / 77	E / 37	F / 66	E / 38	F / 79	F / 69	F / 77	F / 94	F / 132	E / 38	E / 38	E / 36	F / 77	
103 US 50 WB: 10th St Off-ramp	Diverge	D / 29	F / 53	F / 99	F / 97	D / 28	F / 72	D / 28	F / 93	D / 29	F / 82	D / 30	F / 95	F / 94	F / 99	F / 115	F / 120	D / 30	C / 25	D / 30	F / 97	
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 25	F / 51	F / 101	F / 93	D / 26	F / 66	D / 27	F / 85	D / 26	F / 77	D / 27	F / 82	F / 99	F / 91	F / 117	F / 119	D / 26	C / 25	D / 27	F / 83	
105 US 50 WB: 15th St to I-5	Weave	C / 22	E / 37	F / 59	F / 57	C / 25	F / 58	C / 26	F / 66	D / 26	F / 65	D / 26	F / 65	F / 67	F / 68	F / 68	F / 74	C / 25	C / 25	C / 26	F / 63	
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 19	B / 18	F / 96	C / 24	C / 21	C / 22	C / 21	C / 23	C / 22	C / 23	C / 21	C / 21	F / 93	C / 23	F / 126	F / 97	C / 20	C / 23	C / 21	C / 21	
107 US 50 WB: 5th St On-ramp	Merge	B / 17	B / 14	F / 94	C / 21	B / 18	C / 19	C / 18	C / 23	C / 22	C / 19	B / 18	C / 18	F / 94	C / 18	F / 99	F / 84	B / 17	C / 20	B / 18	B / 18	
108 US 50 WB: I-5 On-ramp	Merge	C / 23	B / 18	F / 106	D / 31	D / 29	D / 29	D / 29	D / 34	E / 37	D / 29	D / 28	D / 28	F / 100	D / 27	F / 127	F / 51	D / 28	D / 31	D / 29	D / 27	
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	D / 33	C / 24	F / 100	D / 30	E / 40	D / 28	E / 37	D / 29	F / 51	D / 28	E / 36	D / 27	F / 92	D / 28	F / 119	C / 24	D / 35	D / 30	E / 38	D / 28	
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	D / 32	B / 20	F / 91	C / 24	D / 31	C / 21	D / 31	C / 22	F / 52	C / 21	D / 30	C / 20	F / 88	C / 22	F / 109	C / 19	D / 30	C / 22	D / 31	D / 27	
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	C / 22	B / 13	F / 93	C / 20																	
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					C / 25	C / 20	C / 25	C / 21	F / 52	C / 20	D / 28	C / 19	F / 70	C / 19	F / 78	B / 14	C / 25	C / 21	C / 26	F / 46	
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	C / 24	B / 17	F / 96	C / 21																	
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 19	B / 13	F / 75	B / 17																	
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 19	B / 13	F / 65	B / 16																	
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 17	B / 13	F / 94	B / 15	C / 24	C / 21	C / 24	C / 22	F / 77	C / 21	E / 38	C / 19	F / 92	C / 20	F / 96	B / 13	C / 25	C / 22	D / 30	F / 104	
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 14	B / 12	F / 86	B / 16	C / 24	C / 19	C / 24	C / 19	F / 59	C / 19	D / 34	C / 18	F / 61	B / 18	F / 57	B / 13	C / 26	C / 22	D / 30	F / 96	
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	B / 10	B / 12	F / 77	F / 45	B / 13	D / 28	B / 12	C / 24	D / 29	B / 13	B / 18	B / 12	D / 29	B / 13	F / 65	B / 14	B / 14	E / 35	B / 17	F / 115	
118 US 50 WB: I-80 EB Off-ramp	Basic	B / 15	B / 13	F / 76	D / 28	D / 31	D / 34	D / 31	E / 35	E / 43	C / 19	E / 39	C / 18	E / 43	C / 19	F / 75	B / 14	D / 29	E / 40	E / 36	F / 80	
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	C / 27	A / 10	F / 96	B / 12	E / 40	B / 15	E / 41	B / 16	F / 50	B / 15	F / 47	B / 15	F / 54	B / 14	F / 134	A / 11	E / 42	B / 16	E / 41	B / 16	
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	F / 71	B / 14	F / 107	B / 15	E / 44	C / 23	F / 45	C / 24	F / 45	C / 23	E / 44	C / 22	F / 45	C / 23	F / 120	B / 16	F / 47	C / 24	F / 47	C / 19	
121 I-80 WB: US 50 to W Capitol Ave	Weave	F / 60	B / 16	F / 68	D / 34	F / 59	D / 30	F / 59	D / 32	F / 60	C / 25	F / 60	D / 31	F / 61	D / 27	F / 52	C / 21	F / 63	C / 23	F / 62	C / 25	
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 56	B / 17	F / 55	E / 44											F / 51	D / 26					
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 69	D / 27	F / 68	D / 27	F / 69	C / 25	F / 68	D / 27	F / 69	D / 30			F / 74	C / 24	F / 68	D / 32	
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 71	C / 23	F / 70	F / 52											F / 71	E / 37					
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 56	C / 22	F / 55	F / 48	F / 55	C / 25	F / 55	C / 23	F / 56	C / 21	F / 55	C / 24	F / 56	D / 28	F / 55	D / 34	F / 57	C / 21	F / 55	D / 31	
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 46	C / 25	E / 44	E / 41	E / 45	D / 29	E / 45	D / 29	E / 44	C / 26	E / 44	D / 29	F / 46	D / 30	F / 45	D / 35	F / 46	D / 26	E / 45	D / 33	
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 33	C / 24	D / 34	D / 28	D / 34	D / 27	D / 34	D / 27	D / 33	C / 25	D / 33	D / 27	D / 33	D / 27	D / 34	D / 28	E / 35	D / 27	D / 34	D / 27	
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 33	C / 24	E / 37	D / 29	E / 37	D / 27	E / 37	D / 28	E / 35	D / 26	E / 36	D / 29	D / 35	D / 28	E / 36	D / 31	E / 40	D / 28	E / 37	D / 27	
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 32	C / 23	D / 30	C / 26	D / 32	C / 25	D / 33	C / 25	D / 31	C / 23	D / 31	C / 25	D / 31	C / 25	D / 30	C / 25	E / 35	C / 26	D / 32	C / 25	
129 I-80 WB: County Rd 32A On-ramp	Merge	D / 29	B / 19	D / 27	C / 23	D / 30	C / 23	D / 32	C / 23	D / 29	C / 21	D / 29	C / 23	D / 29	C / 23	D / 30	C / 24	D / 35	C / 24	D / 29	C / 23	
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 32	C / 24	D / 31	C / 26	D / 33	C / 26	D / 33	C / 26	D / 32	C / 24	D / 32	D / 26	D / 31	C / 25	D / 32	D / 26	E / 36	D / 27	D / 34	D / 26	
131 I-80 WB: Mace Blvd Off-ramp	Diverge	C / 21	B / 16	C / 20	B / 17	C / 22	C / 18	C / 22	B / 18	C / 21	B / 16	C / 22	B / 18	C / 20	B / 17	C / 21	B / 17	C / 24	C / 18	C / 22	B / 18	
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 27	B / 19	D / 26	C / 21	D / 27	C / 20	D / 27	C / 20	D / 27	C / 19	D / 27	C / 21	D / 27	C / 20	D / 27	C / 21	D / 29	C / 20	D / 27	C / 20	
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 14	A / 10	C / 20	B / 16	C / 21	B / 16	C / 21	B / 16	C / 21	B / 15	C / 21	B / 17	C / 20	B / 16	C / 20	B / 15	C / 22	B / 16	C / 21	B / 16	
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 16	C / 21	B / 17	C / 22	B / 16	C / 22	B / 16	C / 22	B / 16	C / 22	B / 17	C / 21	B / 17	C / 20	B / 16	C / 23	B / 17	C / 22	B / 17	
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	C / 21																			
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 28	C / 23	D / 30	C / 22	D / 30	C / 22	D / 29	C / 21	D / 29	C / 23	D / 28	C / 23	D / 29	C / 24	D / 32	C / 23	D / 30	C / 22	
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 28	C / 22																			
137 I-80 WB: Olive Dr to Richards Blvd	Basic	D / 28	C / 21																			
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	D / 28	C / 21																			
I-80 WB: Richards Blvd Off-ramp	Diverge			D / 29	C / 24	D / 31	C / 23	D / 31	C / 23	D / 31	C / 21	D / 31	C / 24	D / 29	C / 23	D / 32	C / 25	D / 34	C / 23	D / 32	C / 23	
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 27	B / 20																			
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 25	C / 20	C / 25	C / 19	C / 26	C / 19	C / 25	B / 18	C / 25	C / 21	C / 25	C / 20	C / 25	C / 21	D / 28	C / 20	C / 25	C / 19	
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 27	B / 20																			
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	D / 28	C / 21																			
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 21	B / 17																			
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	C / 18	C / 22	C / 19	C / 22	C / 20	C / 22	C / 18	C / 22	C / 20	C / 22	C / 20	B / 18	B / 16	C / 24	C / 19	C / 22	C / 19	
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 21	B / 17	C / 20	C / 18	C / 24	C / 19	C / 24	C / 20	C / 24	C / 19	C / 24	C / 21	C / 21	C / 19	B / 17	B / 16	D / 27	C / 20	C / 25	C / 20	
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 14	B / 12	B / 14	B / 13	C / 18	B / 16	C / 19	B / 17	C / 18	B / 16	C / 18	B / 17	B / 17	B / 16	B / 13	B / 12	C / 20	B / 16	C / 19	B / 16	
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 12	B / 10	B / 14	B / 13	B / 17	B / 14	B / 17	B / 15	B / 17	B / 13	B / 17	B / 15	B / 15	B / 13	B / 13	B / 11	C / 19	B / 14	B / 17	B / 14	
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 17	B / 13	B / 15	B / 14	C / 19	B / 14	C / 19	B / 15	C / 18	B / 14	C / 19	B / 16	B / 17	B / 13	B / 14	A / 11	C / 21	B / 14	C / 19	B / 14	
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 13	A / 10	B / 13	B / 12	B / 17	B / 13	B / 17	B / 14	B / 16	B / 13	B / 16	B / 16	B / 15	B / 13	B / 12	A / 11	C / 18	B / 14	B / 17	B / 13	
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 17	B / 13	B / 16	B / 14	C / 19	B / 14	C / 19	B / 15	C / 18	B / 14	C / 19	B / 17	B / 17	B / 14	B / 14	B / 12	C / 21	B / 15	C / 19	B / 14	
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 17	B / 13	B / 16	B / 14	B / 18	B / 14	B / 18	B / 15	B / 17	B / 14	B / 18	B / 16	B / 17	B / 14	B / 15	B / 12	C / 19	B / 14	B / 18	B / 14	
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	C / 20	B / 16	C / 20	B / 18	C / 22	B / 17	C / 22	C / 18	C / 22	B / 17	C / 22	C / 18	C / 21	B / 17	C / 18	B / 15	C / 24	B / 18	C / 22	B / 17	
151 I-80 WB: Kidwell Rd On-ramp	Merge	B / 15	B / 12	B / 16	B / 14	B / 18	B / 14	B / 18	B / 15	B / 17	B / 14	B / 18	B / 16	B / 17	B / 14	B / 15	B / 13	C / 21	B / 14	B / 18	B / 14	
152 I-80 WB: Kidwell Rd to Lane Drop	Basic	C / 23	B / 17	C / 21	B / 18	C / 26	B / 18	C / 26	B / 19	C / 24	B / 17	C / 25	C / 21	C / 23	B / 18	B / 19	B / 16	D / 30	B / 18	C / 25	B / 18	
153 I-80 WB: Lane Drop to Pedrick Rd	Basic	D / 29	C / 22	C / 27	C / 24	D / 32	C / 23	D / 32	C / 25	D / 31	C / 23	D / 31	C / 27	D / 29	C / 23	C / 25	C / 21	E / 36	C / 24	D / 31	C / 23	
154 I-80 WB: Pedrick Rd Off-ramp	Diverge	D / 28	C / 22	C / 27	C / 25	D / 30	C / 24	D / 31	C / 26	D / 30	C / 24	D / 30	C / 27	D / 29	C / 24	C / 26	C / 22	D / 33	C / 25	D / 30	C / 24	

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 1  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	D/30	C/25	F/95	D/30	E/42	D/28	D/34	D/28	F/49	C/27	E/40	C/26	D/31	C/28	F/106	C/27	D/32	C/28	D/33	C/28
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	D/34	C/27	F/102	D/30	F/56	D/29	E/42	D/29	F/67	C/27	F/52	C/26	D/35	D/28	F/106	C/27	D/35	D/28	E/41	C/28
163 I-80 WB: Truxel Rd NB On-ramp	Basic	C/27	C/22	F/100	C/23	F/56	C/22	E/38	C/22	F/69	C/21	F/52	C/21	D/29	C/22	F/99	C/22	C/27	C/22	E/37	C/22
164 I-80 WB: Truxel Rd to I-5	Weave	C/24	B/19	F/85	C/22	F/63	C/21	F/49	C/21	F/74	C/20	F/60	C/20	E/36	C/21	F/83	C/20	C/26	C/21	E/43	C/21
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	C/20	B/15	F/104	B/18	F/87	B/18	F/79	B/18	F/104	B/17	F/91	B/17	F/61	B/17	F/115	B/16	C/24	B/17	F/71	B/17
166 I-80 WB: I-5 NB On-ramp	Merge	B/17	B/13	F/123	B/16	F/112	B/16	F/105	B/16	F/122	B/16	F/109	B/16	F/86	B/16	F/125	B/15	C/21	B/16	F/99	B/16
167 I-80 WB: I-5 to W El Camino Ave	Weave	C/21	B/16	F/101	B/19	F/94	B/20	F/93	B/20	F/94	B/19	F/93	C/20	F/89	B/19	F/104	F/44	F/45	B/19	F/94	B/19
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	C/24	B/17	F/109	C/23	F/96	C/23	F/96	C/23	F/96	C/22	F/95	C/24	F/100	C/22	F/112	F/91	F/71	C/23	F/98	C/23
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	B/18	B/16	F/94	C/24	F/111	C/24	F/108	C/23	F/105	C/22	F/105	C/24	F/103	C/23	F/93	F/106	F/75	C/24	F/113	C/23
170 I-80 WB: W El Camino EB On-ramp	Merge	B/18	B/16	F/70	C/23	F/101	C/25	F/100	C/25	F/99	C/24	F/100	C/26	F/93	C/26	F/67	F/82	F/54	C/25	F/103	C/25
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	C/24	B/17	F/64	C/26											F/52	F/53				
I-80 WB: W El Camino Ave to Reed Ave	Basic					F/90	C/26	F/92	C/26	F/90	C/26	F/90	C/28	F/77	D/31			E/41	C/27	F/92	C/26
172 I-80 WB: Lane Drop to Reed Ave	Basic	D/32	C/22	F/73	E/39											F/69	F/74				
173 I-80 WB: Reed Ave Off-ramp	Diverge	D/32	C/25	F/78	F/55	F/89	D/33	F/90	D/34	F/93	D/31	F/92	E/36	F/73	F/46	E/35	F/65	D/35	D/34	F/90	D/34
174 I-80 WB: Reed Ave Off to On-ramp	Basic	C/22	B/17	F/100	C/28	F/107	B/20	F/107	B/20	F/108	B/19	F/108	C/23	F/98	C/22	C/22	D/29	C/24	C/21	F/106	B/20
175 I-80 WB: Reed Ave On-ramp	Merge	B/19	C/22	F/95	F/46	F/90	C/21	F/91	C/21	F/91	C/21	F/91	D/29	F/89	C/26	C/23	F/51	D/29	C/25	F/90	C/22
176 I-80 WB: Reed Ave to US 50	Basic	C/24	C/24	F/96	F/50	F/85	C/23	F/85	C/25	F/85	C/21	F/84	C/28	F/81	C/23	C/21	E/39	E/40	C/26	F/85	C/23
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	C/25	C/25	F/65	F/52	F/68	C/22	F/69	C/25	F/69	C/20	F/68	C/26	F/66	B/20	C/20	F/46	F/44	C/24	F/69	C/21
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	C/21	B/13	F/56	C/21	F/64	C/25	F/63	D/33	F/68	B/16	F/65	D/35	F/64	B/16	B/16	B/15				
I-80 WB: US 50 Off to On-ramp	Basic																	F/70	C/20		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	F/46	C/23	F/86	D/30	F/81	E/42	F/78	F/53	F/83	C/25	F/81	F/53	F/80	C/25	C/27	C/22			F/84	C/28

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	F / 92	F / 122	F / 95	F / 104	F / 74	F / 109	F / 76	F / 107	F / 80	F / 114	F / 86	F / 120	F / 102	F / 103	F / 150	F / 149	F / 73	F / 107	F / 72	F / 103
102 US 50 WB: SR 51 to 16th St	Weave	E / 39	F / 87	F / 78	F / 76	E / 39	F / 78	E / 38	F / 77	E / 38	F / 91	E / 38	F / 97	F / 75	F / 73	F / 129	F / 132	E / 39	F / 70	E / 37	F / 79
103 US 50 WB: 10th St Off-ramp	Diverge	C / 28	F / 105	F / 87	F / 69	D / 28	F / 79	D / 28	F / 91	D / 27	F / 103	D / 27	F / 103	F / 94	F / 83	F / 149	F / 119	D / 28	F / 90	D / 27	F / 94
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 22	F / 88	F / 102	F / 66	C / 24	F / 79	C / 25	F / 84	C / 24	F / 91	C / 25	F / 92	F / 101	F / 84	F / 140	F / 114	C / 24	F / 85	C / 25	F / 87
105 US 50 WB: 15th St to I-5	Weave	B / 20	F / 45	F / 58	F / 51	C / 25	F / 66	C / 25	F / 62	C / 25	F / 64	D / 26	F / 69	F / 64	F / 65	F / 128	F / 71	C / 25	F / 82	C / 26	F / 66
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 17	B / 16	F / 79	F / 47	C / 22	F / 46	C / 22	C / 20	D / 28	C / 23	C / 22	C / 19	F / 70	D / 31	F / 148	F / 101	C / 22	F / 102	C / 22	D / 34
107 US 50 WB: 5th St On-ramp	Merge	B / 17	B / 14	F / 86	F / 65	C / 22	F / 55	C / 23	C / 24	E / 36	C / 25	C / 22	C / 23	F / 76	E / 40	F / 123	F / 95	D / 26	F / 108	C / 25	E / 39
108 US 50 WB: I-5 On-ramp	Merge	C / 24	C / 27	F / 98	F / 63	E / 37	F / 64	E / 39	E / 38	F / 47	E / 38	E / 35	E / 37	F / 78	F / 52	F / 148	F / 66	E / 40	F / 75	E / 37	F / 47
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	C / 26	C / 24	F / 92	D / 30	E / 37	D / 28	E / 39	D / 27	F / 50	D / 27	E / 42	D / 27	F / 75	D / 29	F / 144	C / 23	E / 39	D / 31	E / 37	E / 37
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	C / 26	B / 19	F / 94	C / 23	D / 28	C / 20	D / 29	C / 22	F / 52	C / 19	D / 29	C / 18	F / 80	C / 21	F / 134	C / 19	D / 28	C / 22	D / 28	F / 53
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	B / 18	B / 15	F / 95	C / 22																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					C / 24	D / 30	C / 24	D / 30	F / 51	C / 21	D / 28	C / 20	F / 74	C / 21	F / 84	B / 16	C / 24	E / 39	C / 25	F / 76
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	C / 20	B / 18	F / 100	C / 23																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 16	B / 14	F / 77	C / 18																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 16	B / 14	F / 65	B / 18																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 14	B / 12	F / 104	B / 15	C / 21	F / 75	C / 22	F / 59	F / 79	C / 22	D / 35	C / 19	F / 92	C / 22	F / 103	B / 15	D / 27	F / 90	D / 31	F / 112
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 13	B / 12	F / 91	D / 29	C / 22	F / 80	C / 21	F / 70	F / 62	D / 33	D / 30	B / 18	F / 61	D / 27	F / 71	B / 16	D / 27	F / 89	D / 32	F / 104
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	B / 12	B / 14	F / 83	F / 85	B / 13	F / 107	B / 12	F / 110	D / 32	F / 70	B / 16	B / 15	E / 36	F / 66	F / 89	C / 18	B / 16	F / 116	C / 21	F / 134
118 US 50 WB: I-80 EB Off-ramp	Basic	C / 22	B / 15	F / 80	F / 49	D / 26	F / 70	D / 31	F / 67	E / 43	F / 52	D / 29	C / 23	E / 45	F / 57	F / 91	C / 20	D / 29	F / 73	D / 32	F / 80
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	F / 72	A / 9	F / 100	B / 12	D / 33	B / 18	E / 39	B / 16	F / 51	B / 16	E / 39	B / 15	F / 58	C / 19	F / 133	B / 12	E / 39	C / 19	E / 36	B / 16
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	F / 112	B / 12	F / 112	B / 15	E / 41	C / 24	E / 44	C / 24	F / 49	C / 23	E / 43	C / 22	F / 50	C / 25	F / 124	C / 21	F / 46	C / 25	F / 48	C / 20
121 I-80 WB: US 50 to W Capitol Ave	Weave	F / 73	B / 15	F / 72	D / 35	F / 66	D / 32	F / 63	D / 29	F / 67	D / 27	F / 65	D / 29	F / 70	D / 27	F / 52	F / 61	F / 67	C / 25	F / 67	C / 23
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 71	B / 17	F / 63	F / 46											F / 58	F / 48				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 78	E / 42	F / 79	D / 27	F / 79	D / 29	F / 78	D / 29	F / 80	E / 38			F / 80	C / 26	F / 81	D / 29
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 88	C / 25	F / 80	F / 58											F / 84	F / 60				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 76	D / 30	F / 64	F / 57	F / 64	F / 46	F / 65	D / 30	F / 65	D / 33	F / 64	D / 32	F / 65	F / 45	F / 65	F / 58	F / 63	D / 28	F / 67	E / 35
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 51	D / 33	F / 46	F / 46	F / 48	E / 40	F / 48	D / 32	F / 48	D / 34	F / 48	D / 32	F / 48	E / 41	F / 47	F / 46	F / 48	D / 32	F / 48	E / 36
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 32	C / 25	D / 33	D / 28	D / 32	D / 28	D / 32	D / 27	D / 33	D / 27	D / 33	D / 27	D / 33	D / 28	D / 32	D / 29	D / 35	D / 28	D / 32	D / 27
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 32	C / 25	E / 37	D / 30	E / 36	D / 30	D / 34	D / 28	D / 34	D / 29	E / 36	D / 28	E / 37	D / 30	E / 36	D / 32	E / 39	D / 29	D / 34	D / 28
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 31	C / 24	D / 30	C / 24	D / 31	C / 26	D / 31	C / 25	D / 31	C / 24	D / 31	C / 24	D / 31	C / 24	D / 29	C / 24	D / 34	D / 26	D / 31	C / 25
129 I-80 WB: County Rd 32A On-ramp	Merge	D / 28	B / 19	D / 27	C / 22	D / 28	C / 23	D / 28	C / 23	D / 29	C / 22	D / 29	C / 22	D / 28	C / 22	D / 27	C / 23	D / 31	C / 24	D / 28	C / 22
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 31	C / 24	D / 30	C / 25	D / 32	D / 27	D / 32	D / 26	D / 32	C / 25	D / 32	C / 25	D / 31	C / 24	D / 31	C / 26	E / 35	D / 27	D / 32	C / 26
131 I-80 WB: Mace Blvd Off-ramp	Diverge	C / 21	B / 16	C / 19	B / 16	C / 21	C / 19	C / 22	C / 18	C / 21	B / 17	C / 21	B / 18	C / 20	B / 16	C / 20	B / 17	C / 23	C / 19	C / 21	C / 18
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 27	B / 18	C / 26	C / 20	D / 27	C / 19	D / 27	C / 19	D / 26	C / 18	D / 27	C / 19	D / 27	C / 19	D / 26	C / 20	D / 29	C / 20	D / 27	C / 19
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 12	A / 9	C / 21	B / 16	C / 21	B / 15	C / 21	B / 15	C / 21	B / 14	C / 21	B / 16	C / 21	B / 15	C / 19	B / 15	C / 23	B / 16	C / 21	B / 15
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 15	C / 22	B / 17	C / 22	B / 16	C / 22	B / 16	C / 22	B / 15	C / 22	B / 16	C / 22	B / 16	C / 20	B / 15	C / 24	B / 17	C / 22	B / 16
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	C / 20																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 28	C / 22	D / 29	C / 21	D / 29	C / 21	D / 29	C / 20	D / 29	C / 22	D / 29	C / 21	D / 30	C / 23	D / 32	C / 23	D / 29	C / 22
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 29	C / 20																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	D / 29	B / 20																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	C / 28	B / 20																		
I-80 WB: Richards Blvd Off-ramp	Diverge			D / 30	C / 22	D / 32	C / 22	D / 31	C / 22	D / 31	C / 21	D / 31	C / 22	D / 31	C / 21	D / 32	C / 23	E / 37	C / 23	D / 33	C / 22
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 27	B / 19																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 24	C / 20	C / 25	C / 18	C / 25	C / 18	C / 25	B / 18	C / 25	C / 19	C / 25	C / 19	C / 25	C / 20	D / 28	C / 20	C / 25	C / 19
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 28	B / 19																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	D / 29	C / 21																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 21	B / 16																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	C / 18	C / 22	C / 19	C / 22	C / 19	C / 22	C / 18	C / 22	C / 20	C / 22	C / 20	B / 18	B / 15	C / 24	C / 19	C / 22	C / 19
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 21	B / 16	C / 20	B / 18	C / 25	C / 19	C / 25	C / 19	C / 24	C / 18	C / 24	C / 20	C / 22	B / 18	B / 18	B / 15	D / 27	C / 20	C / 25	C / 20
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 15	B / 12	B / 16	B / 13	C / 19	B / 16	C / 19	B / 16	C / 19	B / 16	C / 19	B / 16	C / 18	B / 16	B / 14	B / 12	C / 20	B / 17	C / 19	B / 16
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 13	B / 10	B / 14	B / 13	B / 18	B / 13	B / 18	B / 14	B / 17	B / 13	B / 17	B / 15	B / 15	B / 13	B / 13	A / 11	C / 19	B / 14	B / 18	B / 14
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 18	B / 12	B / 15	B / 13	C / 19	B / 14	C / 19	B / 14	C / 18	B / 13	C / 19	B / 16	B / 16	B / 13	B / 13	B / 11	C / 21	B / 14	C / 19	B / 14
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 13	B / 10	B / 12	B / 13	B / 17	B / 14	B / 17	B / 14	B / 16	B / 13	B / 17	B / 15	B / 15	B / 14	B / 12	A / 11	C / 19	B / 15	B / 17	B / 15
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 18	B / 13	B / 16	B / 14	C / 19	B / 15	C / 19	B / 15	C / 19	B / 14	C / 19	B / 16	B / 17	B / 14	B / 14	B / 12	C / 21	B / 15	C / 19	B / 15
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 18	B / 14	B / 17	B / 14	C / 18	B / 14	B / 18	B / 14	B / 18	B / 13	B / 18	B / 16	B / 17	B / 14	B / 15	B / 12	C / 20	B / 15	C / 18	B / 15
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	C / 21	B / 16	C / 17	B / 18	C / 22	B / 17	C / 22	B / 18	C / 22	B / 17	C / 22	C / 19	C / 21	B / 17	C / 19					



I-80/US 50 Managed Lanes  
LOS / Delay - Hour 2  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	E / 39	C / 27	F / 105	D / 32	F / 105	D / 29	F / 105	D / 30	F / 109	D / 28	F / 108	C / 27	F / 89	D / 30	F / 110	E / 41	D / 34	D / 29	F / 104	D / 29
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	F / 47	C / 28	F / 107	D / 30	F / 108	D / 29	F / 108	D / 29	F / 113	D / 28	F / 109	C / 27	F / 94	D / 29	F / 115	F / 76	D / 33	D / 29	F / 108	D / 29
163 I-80 WB: Truxel Rd NB On-ramp	Basic	F / 45	C / 22	F / 104	C / 24	F / 101	C / 22	F / 101	C / 23	F / 105	C / 22	F / 102	C / 21	F / 92	C / 23	F / 104	F / 84	C / 26	C / 22	F / 100	C / 23
164 I-80 WB: Truxel Rd to I-5	Weave	E / 39	B / 20	F / 86	C / 22	F / 89	C / 21	F / 91	C / 22	F / 93	C / 21	F / 92	C / 20	F / 76	C / 21	F / 93	F / 84	C / 26	C / 21	F / 89	C / 22
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	C / 20	B / 15	F / 106	B / 19	F / 100	B / 18	F / 106	B / 18	F / 107	B / 18	F / 107	B / 18	F / 98	B / 18	F / 118	F / 103	C / 23	B / 18	F / 98	B / 18
166 I-80 WB: I-5 NB On-ramp	Merge	B / 17	B / 14	F / 118	B / 17	F / 120	B / 17	F / 121	B / 17	F / 121	B / 17	F / 119	B / 17	F / 122	B / 17	F / 124	F / 133	C / 23	B / 17	F / 122	B / 18
167 I-80 WB: I-5 to W El Camino Ave	Weave	C / 21	B / 17	F / 101	F / 62	F / 97	C / 21	F / 96	C / 21	F / 95	C / 21	F / 96	C / 21	F / 98	C / 24	F / 104	F / 104	F / 61	C / 22	F / 98	C / 22
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	C / 23	B / 19	F / 108	F / 92	F / 95	C / 25	F / 92	C / 25	F / 93	C / 25	F / 94	C / 24	F / 98	E / 38	F / 115	F / 109	F / 81	C / 26	F / 98	C / 25
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	B / 19	B / 17	F / 95	F / 108	F / 111	C / 25	F / 114	C / 26	F / 111	C / 26	F / 108	C / 25	F / 105	F / 46	F / 95	F / 115	F / 79	C / 27	F / 112	C / 25
170 I-80 WB: W El Camino Ave EB On-ramp	Merge	B / 19	B / 17	F / 73	F / 84	F / 99	C / 26	F / 104	D / 33	F / 103	C / 27	F / 102	C / 27	F / 93	F / 55	F / 70	F / 87	F / 61	D / 29	F / 102	C / 26
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	C / 25	B / 19	F / 63	F / 64											F / 51	F / 56				
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 89	D / 30	F / 92	F / 58	F / 89	E / 36	F / 90	D / 30	F / 77	F / 66			F / 59	D / 35	F / 92	D / 33
172 I-80 WB: Lane Drop to Reed Ave	Basic	D / 35	C / 25	F / 72	F / 72											F / 68	F / 76				
173 I-80 WB: Reed Ave Off-ramp	Diverge	D / 33	D / 31	F / 79	F / 65	F / 90	F / 54	F / 94	F / 69	F / 93	F / 56	F / 92	F / 53	F / 74	F / 66	E / 36	F / 65	E / 37	F / 60	F / 92	F / 56
174 I-80 WB: Reed Ave Off to On-ramp	Basic	C / 22	B / 18	F / 99	F / 52	F / 108	B / 20	F / 110	B / 19	F / 111	B / 20	F / 109	B / 20	F / 102	C / 22	C / 23	E / 36	D / 31	C / 21	F / 109	B / 19
175 I-80 WB: Reed Ave On-ramp	Merge	C / 22	C / 23	F / 95	F / 75	F / 91	C / 21	F / 92	C / 21	F / 92	C / 22	F / 92	C / 22	F / 91	C / 28	C / 25	F / 53	D / 34	C / 25	F / 91	C / 21
176 I-80 WB: Reed Ave to US 50	Basic	C / 26	D / 28	F / 95	F / 70	F / 84	C / 23	F / 85	C / 23	F / 84	C / 23	F / 85	C / 23	F / 80	C / 23	C / 22	F / 49	E / 40	C / 27	F / 84	C / 22
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	D / 31	D / 33	F / 65	F / 65	F / 68	C / 23	F / 70	C / 23	F / 68	C / 21	F / 68	C / 22	F / 64	B / 20	C / 23	F / 60	E / 43	C / 25	F / 69	C / 21
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	E / 36	B / 13	F / 58	C / 22	F / 68	C / 27	F / 70	B / 17	F / 67	B / 16	F / 65	C / 21	F / 66	B / 15	B / 15	D / 29			F / 72	B / 15
I-80 WB: US 50 Off to On-ramp	Basic																	F / 67	B / 20		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	F / 74	C / 22	F / 88	D / 34	F / 86	E / 41	F / 84	D / 31	F / 88	C / 25	F / 86	E / 35	F / 86	C / 25	C / 25	F / 64			F / 88	C / 23

I-80/US 50 Managed Lanes  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	F / 86	F / 104	F / 83	F / 103	F / 64	F / 104	F / 71	F / 107	F / 69	F / 107	F / 72	F / 110	F / 83	F / 97	F / 132	F / 142	F / 67	F / 114	F / 64	F / 102
102 US 50 WB: SR 51 to 16th St	Weave	E / 40	F / 73	F / 65	F / 59	E / 36	F / 66	E / 36	F / 68	E / 37	F / 90	E / 37	F / 97	F / 66	F / 54	F / 118	F / 127	E / 37	F / 87	D / 35	F / 72
103 US 50 WB: 10th St Off-ramp	Diverge	C / 27	F / 86	F / 71	F / 74	D / 26	F / 81	D / 28	F / 86	D / 29	F / 111	D / 27	F / 109	F / 73	F / 65	F / 129	F / 116	D / 27	F / 109	D / 27	F / 80
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 22	F / 82	F / 71	F / 78	C / 23	F / 74	C / 23	F / 80	C / 24	F / 87	C / 23	F / 92	F / 81	F / 69	F / 133	F / 110	C / 21	F / 89	C / 23	F / 77
105 US 50 WB: 15th St to I-5	Weave	B / 20	F / 50	F / 51	F / 69	C / 23	F / 73	C / 23	F / 76	C / 24	F / 66	C / 24	F / 69	F / 53	F / 72	F / 104	F / 73	C / 22	F / 83	C / 23	F / 72
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 17	E / 36	F / 80	F / 93	C / 21	F / 87	C / 21	F / 85	C / 21	C / 24	C / 21	B / 15	F / 55	F / 89	F / 132	F / 100	C / 20	F / 99	C / 20	F / 71
107 US 50 WB: 5th St On-ramp	Merge	B / 18	E / 42	F / 89	F / 90	C / 20	F / 90	C / 24	F / 91	C / 21	C / 25	C / 20	C / 19	F / 62	F / 92	F / 109	F / 90	C / 21	F / 108	C / 20	F / 85
108 US 50 WB: I-5 On-ramp	Merge	C / 27	F / 54	F / 104	F / 72	E / 41	F / 71	F / 49	F / 73	E / 36	E / 39	E / 36	E / 36	F / 74	F / 73	F / 129	F / 68	E / 42	F / 75	E / 38	F / 76
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	C / 27	D / 29	F / 95	D / 31	E / 45	D / 26	E / 44	D / 28	E / 38	D / 28	E / 37	C / 25	F / 70	D / 30	F / 116	D / 26	E / 37	C / 25	E / 40	F / 53
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	C / 23	C / 21	F / 96	C / 24	C / 25	C / 19	C / 25	C / 21	D / 32	C / 19	C / 25	B / 17	F / 83	C / 21	F / 115	C / 21	C / 25	C / 20	C / 24	F / 82
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	B / 17	B / 17	F / 97	C / 22																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					C / 22	E / 37	C / 22	D / 33	E / 37	C / 21	C / 22	C / 20	F / 74	C / 21	F / 81	B / 16	C / 22	E / 39	C / 22	F / 88
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	B / 19	B / 20	F / 104	C / 23																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 15	B / 16	F / 78	C / 18																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 15	B / 15	F / 68	B / 18																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 13	B / 13	F / 107	B / 15	C / 20	F / 81	C / 20	F / 57	F / 55	C / 19	C / 20	C / 19	F / 90	C / 20	F / 109	C / 22	C / 20	F / 77	C / 20	F / 112
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 12	B / 13	F / 99	B / 18	C / 19	F / 80	C / 19	F / 58	E / 43	C / 20	C / 19	B / 18	F / 61	B / 18	F / 73	E / 36	C / 19	F / 77	C / 19	F / 104
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	B / 12	B / 13	F / 87	F / 54	A / 11	F / 98	A / 11	F / 82	D / 27	D / 26	A / 10	B / 11	E / 36	C / 21	F / 84	F / 52	A / 11	F / 99	B / 12	F / 129
118 US 50 WB: I-80 EB Off-ramp	Basic	D / 29	B / 15	F / 91	E / 40	C / 20	F / 72	C / 20	F / 64	E / 40	D / 35	C / 20	C / 18	E / 45	D / 34	F / 85	F / 62	C / 22	F / 65	C / 20	F / 77
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	F / 83	B / 11	F / 104	C / 20	C / 22	E / 36	B / 18	D / 32	F / 48	C / 19	C / 24	B / 16	F / 58	D / 27	F / 116	F / 77	C / 24	D / 32	C / 20	E / 42
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	F / 108	B / 16	F / 110	E / 37	D / 34	E / 43	D / 28	E / 38	F / 47	C / 25	D / 34	C / 24	F / 49	F / 50	F / 109	F / 61	D / 32	D / 31	D / 34	F / 54
121 I-80 WB: US 50 to W Capitol Ave	Weave	F / 72	E / 41	F / 74	F / 67	F / 64	F / 56	F / 59	F / 51	F / 66	C / 26	F / 63	E / 38	F / 67	F / 65	F / 62	F / 73	D / 31	D / 27	F / 67	F / 57
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 66	F / 60	F / 62	F / 62											F / 57	F / 52				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 76	F / 66	F / 77	F / 60	F / 78	D / 33	F / 78	F / 58	F / 76	F / 72			F / 47	E / 42	F / 79	F / 66
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 84	F / 66	F / 79	F / 69											F / 81	F / 68				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 69	F / 62	F / 62	F / 65	F / 62	F / 61	F / 63	F / 61	F / 64	E / 41	F / 64	F / 62	F / 62	F / 67	F / 62	F / 64	F / 47	F / 52	F / 64	F / 66
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 51	F / 49	E / 43	F / 49	F / 46	F / 47	F / 47	F / 47	F / 47	E / 41	F / 47	F / 48	F / 46	F / 49	F / 46	F / 48	E / 42	E / 45	F / 47	F / 48
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 32	C / 26	D / 34	D / 28	D / 32	D / 28	D / 33	D / 28	D / 33	D / 28	D / 33	D / 28	D / 33	D / 28	D / 33	D / 28	D / 33	D / 29	D / 32	D / 28
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 32	C / 27	E / 38	D / 33	D / 35	D / 31	D / 34	D / 31	D / 34	D / 30	E / 36	D / 31	E / 36	D / 31	E / 35	D / 31	E / 36	D / 33	D / 33	D / 30
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 31	C / 24	D / 30	C / 23	D / 31	C / 25	D / 32	C / 25	D / 30	C / 23	D / 31	C / 24	D / 31	C / 24	D / 30	C / 24	D / 31	D / 26	D / 31	C / 25
129 I-80 WB: County Rd 32A On-ramp	Merge	C / 26	C / 20	D / 27	C / 20	D / 28	C / 22	D / 29	C / 23	D / 28	C / 20	D / 29	C / 21	D / 28	C / 22	D / 28	C / 22	D / 28	C / 24	D / 28	C / 23
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 31	C / 24	D / 30	C / 23	D / 32	C / 26	D / 33	C / 26	D / 31	C / 24	D / 32	C / 25	D / 31	C / 24	D / 31	C / 25	D / 33	D / 28	D / 32	D / 26
131 I-80 WB: Mace Blvd Off-ramp	Diverge	B / 20	B / 16	C / 20	B / 16	C / 22	C / 18	C / 22	C / 19	C / 21	B / 17	C / 21	B / 17	C / 20	B / 17	C / 21	B / 17	C / 21	C / 19	C / 21	C / 19
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 25	B / 18	C / 26	B / 17	C / 26	B / 17	C / 26	B / 18	C / 25	B / 17	C / 26	B / 18	D / 26	B / 18	C / 26	C / 18	C / 26	C / 18	C / 26	B / 18
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 13	A / 10	C / 22	B / 14	C / 21	B / 14	C / 21	B / 15	C / 21	B / 14	C / 22	B / 14	C / 23	B / 15	C / 21	B / 14	C / 22	B / 15	C / 21	B / 15
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 15	C / 23	B / 15	C / 22	B / 15	C / 22	B / 15	C / 22	B / 14	C / 22	B / 15	C / 23	B / 15	C / 21	B / 14	C / 23	B / 16	C / 22	B / 15
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	B / 20																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 30	C / 20	D / 31	C / 20	D / 32	C / 20	D / 30	C / 19	D / 30	C / 20	D / 31	C / 20	D / 33	C / 22	D / 31	C / 21	D / 33	C / 21
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 30	C / 20																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	C / 27	B / 19																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	C / 28	B / 19																		
I-80 WB: Richards Blvd Off-ramp	Diverge			E / 38	C / 20	E / 43	C / 21	F / 47	C / 21	E / 39	C / 20	E / 40	C / 21	E / 40	C / 21	E / 40	C / 22	E / 41	C / 22	F / 47	C / 21
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 25	B / 18																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 23	B / 17	C / 22	B / 17	C / 23	B / 17	C / 23	B / 16	C / 23	B / 18	C / 23	B / 17	C / 23	C / 18	C / 24	B / 18	C / 23	B / 17
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 27	B / 19																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	C / 27	C / 20																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 20	B / 16																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	B / 17	C / 21	C / 18	C / 21	C / 19	C / 21	C / 18	C / 22	C / 19	C / 22	C / 19	B / 17	B / 15	C / 22	C / 18	C / 21	C / 18
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 20	B / 16	C / 20	B / 16	C / 23	C / 18	C / 23	C / 19	C / 22	B / 18	C / 23	C / 19	C / 21	B / 17	B / 16	B / 15	C / 24	C / 19	C / 23	C / 19
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 15	B / 12	B / 16	B / 13	C / 19	B / 17	C / 19	B / 17	C / 19	B / 16	C / 19	B / 16	C / 18	B / 16	B / 14	B / 13	C / 20	B / 17	C / 19	B / 16
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 12	B / 10	B / 14	B / 11	B / 16	B / 13	B / 15	B / 13	B / 15	B / 12	B / 15	B / 13	B / 14	B / 12	B / 11	A / 10	B / 16	B / 13	B / 15	B / 13
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 14	B / 11	B / 13	A / 11	B / 15	B / 11	B / 15	B / 12	B / 14	B / 11	B / 15	B / 13	B / 14	B / 12	A / 11	A / 10	B / 16	B / 12	B / 15	B / 12
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 11	A / 9	A / 11	A / 11	B / 13	B / 12	B / 13	B / 12	B / 13	B / 12	B / 13	B / 12	B / 13	B / 13	A / 10	A / 10	B / 14	B / 12	B / 13	B / 12
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 15	B / 12	B / 13	B / 12	B / 15	B / 12	B / 15	B / 13	B / 15	B / 12	B / 15	B / 14	B / 14	B / 13	B / 11	A / 11	B / 16	B / 13	B / 15	B / 13
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 15	B / 13	B / 14	B / 13	B / 16	B / 12	B / 16	B / 13	B / 15	B / 12	B / 16	B / 14	B / 15	B / 13	B / 12	B / 12	B / 16	B / 13	B / 16	B / 13
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	B / 18	B / 16	B / 18	B / 16	C / 19	B / 15	C / 20	B / 16	C / 19	B / 15	C / 19	B / 17	C / 19	B / 16	B / 16	B				

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 3  
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Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	E / 42	C / 25	F / 86	F / 60	F / 76	D / 29	F / 65	D / 29	F / 78	C / 28	F / 71	C / 26	F / 82	D / 29	F / 102	F / 102	E / 35	D / 29	F / 73	D / 29
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	F / 50	C / 26	F / 90	F / 78	F / 77	C / 28	F / 69	D / 28	F / 82	C / 27	F / 67	C / 26	F / 88	C / 28	F / 104	F / 106	E / 38	C / 28	F / 75	C / 28
163 I-80 WB: Truxel Rd NB On-ramp	Basic	F / 48	C / 21	F / 93	F / 78	F / 84	C / 22	F / 74	C / 22	F / 87	C / 21	F / 70	C / 20	F / 91	C / 22	F / 100	F / 105	E / 37	C / 22	F / 81	C / 22
164 I-80 WB: Truxel Rd to I-5	Weave	E / 40	B / 19	F / 75	F / 75	F / 69	C / 21	F / 57	C / 21	F / 75	C / 20	F / 58	B / 20	F / 73	C / 21	F / 85	F / 86	E / 40	C / 21	F / 70	C / 21
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	C / 21	B / 14	F / 92	F / 83	F / 90	B / 18	F / 88	B / 18	F / 99	B / 17	F / 84	B / 18	F / 92	B / 17	F / 109	F / 102	F / 72	B / 18	F / 90	B / 18
166 I-80 WB: I-5 NB On-ramp	Merge	B / 18	B / 13	F / 100	F / 123	F / 98	B / 17	F / 94	B / 19	F / 101	B / 17	F / 94	B / 17	F / 103	B / 17	F / 115	F / 135	F / 93	B / 17	F / 99	B / 17
167 I-80 WB: I-5 to W El Camino Ave	Weave	C / 21	B / 16	F / 92	F / 102	F / 86	C / 21	F / 82	E / 42	F / 88	C / 20	F / 83	C / 21	F / 89	C / 24	F / 105	F / 108	F / 80	C / 21	F / 85	C / 21
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	C / 22	B / 18	F / 101	F / 106	F / 87	C / 24	F / 86	F / 59	F / 89	C / 23	F / 86	C / 25	F / 90	F / 56	F / 116	F / 112	F / 84	C / 24	F / 86	C / 24
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	C / 22	B / 16	F / 89	F / 135	F / 92	C / 25	F / 85	F / 67	F / 92	C / 24	F / 88	C / 25	F / 95	F / 72	F / 95	F / 123	F / 85	C / 25	F / 90	C / 25
170 I-80 WB: W El Camino Ave EB On-ramp	Merge	C / 22	B / 16	F / 60	F / 111	F / 74	C / 26	F / 66	F / 65	F / 82	C / 27	F / 72	C / 27	F / 82	F / 78	F / 72	F / 91	F / 64	D / 29	F / 73	C / 28
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	D / 30	B / 18	F / 56	F / 82											F / 50	F / 60				
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 68	E / 38	F / 60	F / 82	F / 76	E / 40	F / 69	D / 33	F / 66	F / 79			F / 60	E / 41	F / 68	E / 38
172 I-80 WB: Lane Drop to Reed Ave	Basic	E / 40	C / 23	F / 66	F / 93											F / 66	F / 84				
173 I-80 WB: Reed Ave Off-ramp	Diverge	D / 35	D / 28	F / 56	F / 98	F / 66	F / 63	F / 61	F / 79	F / 81	F / 60	F / 69	F / 57	E / 35	F / 66	E / 36	F / 69	E / 36	F / 61	F / 66	F / 58
174 I-80 WB: Reed Ave Off to On-ramp	Basic	D / 34	B / 17	F / 66	F / 110	F / 97	E / 40	F / 91	B / 18	F / 103	B / 19	F / 92	B / 19	D / 30	C / 21	C / 23	F / 62	C / 25	B / 20	F / 92	B / 19
175 I-80 WB: Reed Ave On-ramp	Merge	E / 42	B / 20	F / 84	F / 113	F / 87	F / 56	F / 89	C / 25	F / 91	C / 20	F / 88	C / 22	D / 34	C / 26	C / 25	F / 81	C / 25	C / 24	F / 87	C / 21
176 I-80 WB: Reed Ave to US 50	Basic	F / 51	C / 22	F / 85	F / 100	F / 80	F / 51	F / 82	D / 28	F / 81	C / 21	F / 78	C / 24	E / 38	C / 23	C / 22	F / 79	D / 30	C / 26	F / 79	C / 22
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	F / 54	C / 26	F / 60	F / 74	F / 61	F / 45	F / 61	D / 29	F / 62	B / 20	F / 60	C / 23	E / 43	C / 26	C / 25	F / 84	C / 27	C / 24	F / 61	C / 23
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	F / 51	B / 19	F / 61	F / 75	F / 61	F / 77	F / 57	E / 41	F / 63	B / 14	F / 57	D / 30	F / 52	F / 62	B / 13	F / 88			F / 63	D / 34
I-80 WB: US 50 Off to On-ramp	Basic																	C / 23	B / 18		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	F / 81	D / 30	F / 94	F / 84	F / 84	F / 84	F / 79	F / 65	F / 86	C / 22	F / 81	F / 46	F / 76	F / 95	C / 23	F / 108			F / 88	F / 61

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
101 US 50 WB: SR 99 On-ramp	Merge	F / 69	F / 72	F / 84	F / 102	F / 63	F / 106	F / 65	F / 107	F / 75	F / 106	F / 67	F / 106	F / 100	F / 95	F / 126	F / 130	F / 68	F / 102	F / 64	F / 93
102 US 50 WB: SR 51 to 16th St	Weave	E / 38	E / 41	F / 61	F / 67	E / 35	F / 73	E / 37	F / 78	E / 38	F / 88	E / 37	F / 97	F / 81	F / 53	F / 96	F / 121	E / 37	F / 84	E / 36	F / 64
103 US 50 WB: 10th St Off-ramp	Diverge	D / 29	C / 26	F / 72	F / 88	D / 28	F / 85	D / 29	F / 101	D / 29	F / 94	D / 28	F / 108	F / 97	F / 66	F / 107	F / 114	D / 29	F / 104	D / 28	F / 72
104 US 50 WB: 10th St Off to 15th St On-ramp	Basic	C / 25	C / 26	F / 77	F / 89	C / 25	F / 82	D / 26	F / 88	C / 25	F / 82	C / 25	F / 89	F / 105	F / 70	F / 115	F / 106	C / 24	F / 93	C / 26	F / 68
105 US 50 WB: 15th St to I-5	Weave	C / 22	D / 28	F / 51	F / 69	C / 25	F / 77	D / 27	F / 80	C / 25	F / 67	C / 25	F / 69	F / 60	F / 70	F / 65	F / 72	C / 24	F / 79	D / 26	F / 64
106 US 50 WB: I-5 Off to 5th St On-ramp	Basic	B / 19	D / 32	F / 76	F / 94	C / 21	F / 99	C / 22	F / 98	C / 23	E / 38	C / 21	C / 22	F / 75	F / 86	F / 121	F / 96	C / 20	F / 102	C / 21	F / 70
107 US 50 WB: 5th St On-ramp	Merge	B / 18	D / 31	F / 87	F / 94	C / 19	F / 110	C / 19	F / 104	D / 30	E / 37	C / 18	C / 22	F / 89	F / 92	F / 98	F / 89	B / 17	F / 122	C / 19	F / 77
108 US 50 WB: I-5 On-ramp	Merge	C / 26	E / 40	F / 110	F / 72	E / 36	F / 76	D / 34	F / 74	F / 58	E / 35	D / 33	C / 25	F / 114	F / 70	F / 126	F / 69	D / 31	F / 75	D / 33	F / 65
109 US 50 WB: Jefferson Blvd Off-ramp	Basic	D / 30	C / 26	F / 101	D / 30	E / 37	D / 26	E / 38	C / 25	F / 65	C / 26	E / 37	C / 23	F / 102	D / 30	F / 111	C / 26	D / 33	C / 24	E / 39	C / 26
110 US 50 WB: Jefferson Blvd to Tower Bridge Gtwy	Basic	D / 28	B / 20	F / 97	C / 22	D / 32	C / 18	D / 29	B / 17	F / 76	B / 17	E / 37	B / 16	F / 105	C / 21	F / 116	C / 20	D / 26	B / 17	F / 47	B / 18
111 US 50 WB: Tower Bridge Gtwy On-ramp	Merge	B / 20	B / 12	F / 97	C / 19																
US 50 WB: Tower Bridge Gtwy to Harbor Blvd	Weave					F / 51	C / 18	F / 46	B / 18	F / 74	B / 16	F / 57	B / 14	F / 77	C / 18	F / 82	B / 13	D / 29	B / 17	F / 64	C / 20
112 US 50 WB: Tower Bridge Gtwy to Lane Add	Basic	C / 22	B / 16	F / 104	C / 20																
113 US 50 WB: Lane Add to Harbor Blvd	Basic	B / 18	B / 13	F / 80	B / 16																
114 US 50 WB: Harbor Blvd Off-ramp	Diverge	B / 18	B / 13	F / 65	B / 15																
115 US 50 WB: Harbor Blvd Off to NB On-ramp	Basic	B / 17	B / 11	F / 102	B / 13	F / 91	B / 18	F / 84	B / 17	F / 91	B / 15	F / 90	B / 14	F / 91	B / 17	F / 110	C / 24	F / 78	B / 16	F / 91	E / 42
116 US 50 WB: Harbor Blvd NB On-ramp	Basic	B / 14	B / 11	F / 93	B / 13	F / 62	B / 16	F / 62	B / 16	F / 62	B / 14	F / 62	B / 13	F / 60	B / 15	F / 67	D / 31	F / 61	B / 16	F / 62	F / 51
117 US 50 WB: Harbor Blvd SB On-ramp	Merge	A / 9	B / 10	F / 87	B / 14	D / 30	B / 11	D / 30	A / 11	D / 30	A / 9	D / 30	A / 9	D / 29	A / 10	F / 70	F / 48	D / 30	A / 11	D / 35	F / 74
118 US 50 WB: I-80 EB Off-ramp	Basic	B / 16	B / 12	F / 103	B / 14	E / 43	B / 17	E / 43	C / 18	E / 44	B / 15	E / 43	B / 14	E / 43	B / 17	F / 94	F / 58	E / 43	B / 16	E / 44	F / 62
119 US 50 WB: I-80 EB Off-ramp to Lane Drop	Basic	C / 24	A / 9	F / 99	B / 11	F / 55	B / 15	F / 55	C / 19	F / 56	B / 12	F / 56	B / 12	F / 60	C / 19	F / 155	F / 73	F / 58	B / 14	F / 53	E / 44
120 US 50 WB: Lane Drop to I-80 WB On-ramp	Basic	E / 37	B / 13	F / 104	B / 17	F / 56	C / 24	F / 53	C / 25	F / 51	C / 19	F / 51	B / 18	F / 52	D / 26	F / 124	F / 56	F / 54	C / 21	F / 58	F / 51
121 I-80 WB: US 50 to W Capitol Ave	Weave	E / 40	B / 18	F / 72	F / 60	F / 67	E / 42	F / 67	E / 36	F / 67	C / 20	F / 67	C / 25	F / 67	F / 53	F / 70	F / 68	F / 69	C / 20	F / 68	F / 58
122 I-80 WB: W Capitol Ave Off-ramp to Lane Drop	Basic	F / 48	C / 27	F / 60	F / 59											F / 56	F / 48				
I-80 WB: W Capitol Ave Off to EB On-ramp	Basic					F / 75	F / 62	F / 76	F / 47	F / 75	C / 21	F / 76	D / 34	F / 76	F / 66			F / 78	C / 21	F / 75	F / 68
123 I-80 WB: Lane Drop to W Capitol Ave EB On-ramp	Basic	F / 68	E / 36	F / 76	F / 66											F / 78	F / 62				
124 I-80 WB: W Capitol Ave EB On-ramp	Merge	F / 61	D / 33	F / 60	F / 61	F / 61	F / 56	F / 62	F / 46	F / 62	C / 19	F / 61	D / 33	F / 62	F / 60	F / 61	F / 58	F / 63	C / 18	F / 62	F / 64
125 I-80 WB: W Capitol Ave WB On-ramp	Merge	F / 49	D / 32	F / 45	F / 47	F / 46	F / 45	F / 46	E / 39	F / 46	C / 25	F / 47	D / 34	F / 46	F / 47	F / 47	F / 46	F / 48	C / 24	F / 46	F / 47
126 I-80 WB: W Capitol Ave to County Rd 32A	Basic	D / 32	C / 24	D / 34	D / 28	D / 33	D / 28	D / 33	D / 27	D / 33	C / 23	D / 33	C / 26	D / 33	D / 28	D / 33	D / 28	D / 34	C / 25	D / 33	D / 28
127 I-80 WB: County Rd 32A Off-ramp	Diverge	D / 32	C / 26	E / 39	D / 30	D / 34	D / 31	D / 35	D / 29	D / 34	C / 26	E / 36	D / 28	E / 36	D / 30	E / 36	D / 32	E / 38	D / 27	D / 34	D / 29
128 I-80 WB: County Rd 32A Off to On-ramp	Basic	D / 31	C / 23	D / 31	C / 23	D / 32	C / 24	D / 32	C / 24	D / 31	C / 20	D / 31	C / 23	D / 31	C / 24	D / 30	C / 24	D / 33	C / 23	D / 31	C / 25
129 I-80 WB: County Rd 32A On-ramp	Merge	D / 30	C / 23	D / 27	C / 21	D / 29	C / 22	D / 29	C / 21	D / 28	B / 18	D / 28	C / 20	D / 28	C / 22	D / 30	C / 23	D / 31	C / 21	D / 29	C / 22
130 I-80 WB: County Rd 32A to Mace Blvd	Basic	D / 31	C / 23	D / 31	C / 24	D / 32	C / 25	D / 33	C / 25	D / 32	C / 21	D / 32	C / 24	D / 31	C / 24	D / 32	C / 25	D / 34	C / 24	D / 32	C / 26
131 I-80 WB: Mace Blvd Off-ramp	Diverge	C / 20	B / 16	C / 20	B / 16	C / 22	C / 18	C / 22	C / 18	C / 21	B / 15	C / 21	B / 17	C / 20	B / 17	C / 22	B / 17	C / 23	B / 17	C / 21	C / 19
132 I-80 WB: Mace Blvd Off ramp to On-ramp	Basic	C / 27	B / 17	C / 22	B / 17	D / 27	B / 17	D / 27	B / 17	D / 26	B / 15	D / 27	B / 17	D / 27	B / 17	D / 27	B / 17	D / 29	B / 16	D / 27	B / 17
133 I-80 WB: Mace Blvd On-ramp	Merge	B / 15	A / 8	C / 26	B / 14	C / 22	B / 14	C / 23	B / 14	C / 22	B / 12	C / 22	B / 14	C / 22	B / 14	C / 22	B / 13	C / 24	B / 13	C / 23	B / 14
134 I-80 WB: Mace Blvd On-ramp to Lane Drop	Basic	C / 22	B / 15	C / 22	B / 14	C / 23	B / 14	C / 23	B / 14	C / 23	B / 13	C / 23	B / 14	C / 23	B / 15	C / 22	B / 13	C / 24	B / 14	C / 23	B / 15
135 I-80 WB: Lane Drop to Olive Dr	Basic	D / 29	B / 19																		
I-80 WB: Lane Drop to Richards Blvd	Basic			D / 29	C / 19	D / 31	C / 19	D / 32	C / 19	D / 33	B / 17	D / 31	C / 19	D / 30	C / 19	D / 33	C / 20	D / 33	C / 19	D / 33	C / 20
136 I-80 WB: Olive Dr Off-ramp	Diverge	D / 29	B / 20																		
137 I-80 WB: Olive Dr to Richards Blvd	Basic	D / 29	B / 19																		
138 I-80 WB: Richards Blvd NB Off-ramp	Diverge	D / 29	B / 19																		
I-80 WB: Richards Blvd Off-ramp	Diverge			E / 35	C / 19	E / 41	C / 20	E / 41	C / 21	E / 40	C / 18	E / 39	C / 20	E / 36	C / 20	E / 40	C / 20	E / 40	C / 20	E / 43	C / 20
139 I-80 WB: Richards Blvd NB Off to NB On-ramp	Basic	C / 27	B / 17																		
I-80 WB: Richards Blvd Off to On-ramp	Basic			C / 23	B / 17	C / 25	B / 16	C / 24	B / 16	C / 24	B / 15	C / 24	B / 17	C / 24	B / 17	C / 25	B / 17	C / 26	B / 16	C / 24	B / 16
140 I-80 WB: Richards Blvd NB On to SB Off-ramp	Weave	C / 27	B / 18																		
141 I-80 WB: Richards Blvd SB Off to SB On-ramp	Basic	D / 28	B / 19																		
142 I-80 WB: Richards Blvd SB On-ramp	Basic	C / 21	B / 15																		
I-80 WB: Richards Blvd On-ramp	Basic/Merge			C / 20	B / 15	C / 22	B / 17	C / 22	B / 17	C / 21	B / 16	C / 22	B / 17	C / 22	B / 17	C / 18	B / 13	C / 23	B / 16	C / 22	B / 17
143 I-80 WB: Richards Blvd to Old Davis Rd	Basic	C / 21	B / 15	C / 20	B / 15	C / 24	B / 17	C / 25	B / 17	C / 23	B / 16	C / 24	B / 18	C / 21	B / 16	B / 18	B / 13	C / 26	B / 17	C / 25	B / 17
144 I-80 WB: Old Davis Rd Off-ramp	Diverge	B / 15	B / 11	B / 15	B / 12	C / 19	B / 15	C / 19	B / 15	C / 19	B / 14	C / 19	B / 15	C / 18	B / 15	B / 15	B / 11	C / 20	B / 15	C / 19	B / 16
145 I-80 WB: SR 113 Off-ramp	Diverge	B / 13	A / 10	B / 14	A / 11	B / 17	B / 12	B / 18	B / 12	B / 17	A / 11	B / 17	B / 12	B / 15	B / 11	B / 13	A / 9	C / 18	B / 12	B / 18	B / 12
146 I-80 WB: SR 113 Off to Old Davis Rd On-ramp	Basic	B / 17	B / 10	B / 15	A / 10	B / 18	A / 11	B / 18	B / 11	B / 17	A / 10	B / 17	B / 12	B / 16	A / 10	B / 13	A / 8	C / 19	A / 11	C / 18	A / 11
147 I-80 WB: Old Davis Rd On-ramp	Merge	B / 13	A / 8	B / 13	A / 9	B / 16	A / 11	B / 16	A / 11	B / 15	A / 10	B / 16	B / 12	B / 15	A / 10	B / 12	A / 8	B / 17	A / 11	B / 16	A / 11
148 I-80 WB: Old Davis Rd On to SR 113 On-ramp	Basic	B / 17	B / 11	B / 15	A / 11	C / 18	B / 11	C / 18	B / 12	B / 18	A / 11	B / 18	B / 13	B / 16	A / 11	B / 13	A / 9	C / 19	B / 11	C / 18	B / 12
149 I-80 WB: SR 113 to Kidwell Rd	Weave	B / 17	B / 12	B / 15	B / 11	B / 17	B / 12	B / 17	B / 12	B / 16	A / 11	B / 16	B / 13	B / 16	B / 11	B / 13	A / 10	B / 18	B / 12	B / 17	B / 12
150 I-80 WB: Kidwell Rd Off-ramp to On-ramp	Basic	B / 19	B / 14	C / 18	B / 14	C / 21	B / 14	C / 21	B / 15	C / 20	B / 14	C / 20	B / 16	C / 19	B / 14	B / 17	B / 12	C /			

I-80/US 50 Managed Lanes  
LOS / Delay - Hour 4  
Horizon Year 2049

Location	Facility Type	Existing		Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5		Alternative 6		Alternative 7		Alternative 8		Alternative 9	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
161 I-80 WB: Northgate Blvd to Truxel Rd	Weave	C / 21	C / 22	F / 88	F / 90	F / 69	C / 26	F / 54	C / 25	F / 81	C / 25	F / 72	C / 23	F / 75	C / 25	F / 102	F / 98	E / 39	C / 26	F / 68	C / 25
162 I-80 WB: Truxel Rd Off to NB On-ramp	Basic	C / 23	C / 23	F / 92	F / 97	F / 62	C / 25	F / 48	C / 25	F / 85	C / 24	F / 74	C / 23	F / 78	C / 25	F / 104	F / 102	E / 42	C / 25	F / 69	C / 25
163 I-80 WB: Truxel Rd NB On-ramp	Basic	B / 19	B / 18	F / 93	F / 100	F / 67	B / 20	F / 52	B / 20	F / 88	B / 19	F / 77	B / 18	F / 83	B / 20	F / 100	F / 103	E / 40	B / 20	F / 74	B / 20
164 I-80 WB: Truxel Rd to I-5	Weave	B / 17	B / 16	F / 75	F / 84	F / 62	B / 19	F / 48	B / 19	F / 73	B / 18	F / 73	B / 18	F / 67	B / 19	F / 84	F / 84	E / 39	B / 19	F / 63	B / 19
165 I-80 WB: I-5 Off-ramp to NB On-ramp	Basic	B / 14	B / 11	F / 95	F / 89	F / 92	B / 15	F / 81	B / 15	F / 102	B / 15	F / 103	B / 15	F / 90	B / 15	F / 107	F / 102	F / 76	B / 16	F / 86	B / 15
166 I-80 WB: I-5 NB On-ramp	Merge	B / 12	B / 10	F / 110	F / 121	F / 108	B / 14	F / 99	B / 18	F / 110	B / 14	F / 110	B / 14	F / 101	B / 14	F / 116	F / 125	F / 92	B / 14	F / 99	B / 14
167 I-80 WB: I-5 to W El Camino Ave	Weave	B / 14	B / 12	F / 96	F / 103	F / 94	B / 17	F / 93	E / 41	F / 92	B / 16	F / 95	B / 17	F / 85	C / 21	F / 101	F / 106	F / 78	B / 17	F / 91	B / 17
168 I-80 WB: W El Camino Ave Off to WB On-ramp	Basic	B / 16	B / 14	F / 105	F / 102	F / 97	B / 20	F / 95	F / 58	F / 93	B / 19	F / 94	B / 20	F / 92	F / 43	F / 110	F / 113	F / 82	B / 20	F / 94	B / 20
169 I-80 WB: W El Camino Ave WB On-ramp	Merge	B / 12	B / 13	F / 93	F / 137	F / 101	C / 21	F / 102	F / 62	F / 99	C / 21	F / 101	C / 21	F / 88	F / 57	F / 91	F / 118	F / 83	C / 22	F / 96	C / 21
170 I-80 WB: W El Camino EB On-ramp	Merge	B / 12	B / 13	F / 68	F / 110	F / 94	C / 22	F / 95	F / 65	F / 93	C / 22	F / 96	C / 23	F / 81	F / 65	F / 65	F / 89	F / 56	C / 23	F / 89	C / 22
171 I-80 WB: W El Camino Ave to Lane Drop	Basic	B / 15	B / 13	F / 67	F / 81									F / 51	F / 59						
I-80 WB: W El Camino Ave to Reed Ave	Basic					F / 87	D / 33	F / 90	F / 83	F / 86	C / 24	F / 89	C / 28	F / 69	F / 73			E / 40	D / 33	F / 84	D / 29
172 I-80 WB: Lane Drop to Reed Ave	Basic	C / 21	B / 18	F / 77	F / 89									F / 67	F / 85						
173 I-80 WB: Reed Ave Off-ramp	Diverge	C / 22	C / 20	F / 87	F / 89	F / 90	F / 53	F / 92	F / 77	F / 92	D / 35	F / 95	F / 44	F / 50	F / 63	E / 37	F / 74	D / 35	F / 54	F / 88	F / 43
174 I-80 WB: Reed Ave Off to On-ramp	Basic	B / 16	B / 13	F / 97	F / 101	F / 112	E / 43	F / 113	B / 17	F / 112	B / 17	F / 114	B / 18	F / 74	C / 21	C / 23	F / 80	C / 24	B / 18	F / 112	B / 17
175 I-80 WB: Reed Ave On-ramp	Merge	B / 18	B / 14	F / 97	F / 107	F / 91	F / 51	F / 91	B / 20	F / 91	B / 17	F / 92	C / 21	F / 77	C / 24	C / 26	F / 85	C / 23	C / 23	F / 90	C / 24
176 I-80 WB: Reed Ave to US 50	Basic	C / 21	B / 16	F / 97	F / 96	F / 83	F / 47	F / 84	C / 23	F / 84	B / 18	F / 84	C / 22	F / 75	C / 26	C / 23	F / 77	D / 28	C / 24	F / 84	C / 26
177 I-80 WB: US 50 Off-ramp	Diverge/Basic	C / 21	B / 16	F / 65	F / 72	F / 67	F / 43	F / 67	C / 26	F / 65	B / 17	F / 67	C / 21	F / 61	D / 30	C / 25	F / 84	D / 28	C / 23	F / 67	C / 28
178 I-80 WB: US 50 Off-ramp to Lane Drop	Basic	B / 16	A / 9	F / 64	F / 70	F / 71	F / 66	F / 71	D / 32	F / 69	B / 13	F / 70	B / 19	F / 68	F / 59	B / 13	F / 71			F / 71	F / 50
I-80 WB: US 50 Off to On-ramp	Basic																	F / 52	B / 17		
179 I-80 WB: Lane Drop to US 50 On-ramp	Basic	D / 33	B / 16	F / 95	F / 79	F / 88	F / 76	F / 89	F / 47	F / 87	B / 20	F / 89	D / 32	F / 87	F / 80	C / 26	F / 99			F / 90	F / 79

**Travel Time – Horizon Year 2049**

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	12.7	12.6	12.6	12.6	12.6	12.7	12.8	12.6	12.6	14.9	12.8	12.8	12.8	12.8	13.1	16.4	12.8	12.8
	GP	12.7	12.7	12.6	12.6	12.7	12.7	13.0	12.7	12.6	14.9	12.8	12.9	12.9	12.9	13.1	19.3	12.8	12.8
	ML	12.7	12.4	12.4	12.4	12.4	12.7	12.5	12.4	12.4	14.9	12.5	12.5	12.5	12.5	12.7	13.8	12.5	12.5
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	6.1	5.4	5.5	5.5	5.5	5.7	5.5	5.5	5.4	8.3	6.0	5.9	6.0	5.9	6.2	8.2	6.1	5.9
	GP	6.1	5.5	5.5	5.5	5.5	5.7	5.6	5.5	5.5	8.4	6.2	6.0	6.2	6.0	6.2	9.9	6.4	6.0
	ML	5.9	5.1	5.1	5.0	5.0	5.2	5.1	5.1	5.1	7.8	5.1	5.1	5.1	5.1	5.2	5.6	5.1	5.1
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.5	5.5
	GP	5.4	5.1	5.1	5.1	5.1	5.1	5.3	5.1	5.1	5.5	5.2	5.2	5.2	5.2	5.2	5.4	5.2	5.2
	ML	5.3	5.2	5.2	5.2	5.2	5.2	5.3	5.1	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.4	5.1	5.3
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	32.1	15.5	15.5	14.6	17.2	27.5	88.8	19.6	15.6	73.8	25.2	26.5	23.8	39.5	73.8	138.7	39.9	26.6
	GP	32.1	17.0	17.1	15.6	20.9	27.8	138.4	25.7	17.3	73.8	35.8	38.6	37.5	62.7	75.3	193.3	55.4	38.4
	ML	32.1	13.3	13.4	13.0	13.5	18.6	73.3	14.4	13.4	73.8	16.8	17.2	14.9	24.6	44.3	116.8	28.2	17.6
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	15.1	10.3	10.4	10.6	11.5	13.6	15.2	12.4	10.4	19.3	13.4	13.5	13.7	13.2	17.4	16.4	15.1	13.3
	GP	15.4	14.0	14.2	14.4	16.3	14.2	21.7	18.5	14.3	20.1	19.6	19.5	19.8	18.7	18.6	22.8	21.6	19.2
	ML	14.0	6.1	6.1	6.1	6.3	5.5	8.6	6.5	6.1	17.5	7.2	7.2	7.2	6.6	6.1	7.3	7.5	7.3
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	7.9	8.9	10.3	9.1	6.5	7.3	5.8	10.9	8.7	11.9	13.7	15.2	15.1	7.8	9.4	5.9	16.0	13.7
	GP	8.9	11.5	14.1	11.4	7.1	8.1	6.0	15.6	11.2	14.5	20.6	23.4	22.8	9.1	11.3	6.2	25.5	21.2
	ML	8.9	6.0	6.4	6.1	5.4	5.6	5.2	6.6	6.0	14.5	7.6	8.1	8.1	5.6	6.1	5.2	7.8	7.5

**Travel Time – Horizon Year 2049**

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	19.2	12.8	12.8	12.8	12.8	13.2	27.8	12.8	12.8	15.5	12.7	12.7	12.7	12.7	12.7	42.2	12.7	12.7
	GP	19.2	12.8	12.8	12.8	12.9	13.2	36.8	12.9	12.8	15.5	12.7	12.7	12.7	12.7	12.7	68.2	12.7	12.7
	ML	19.2	12.5	12.5	12.5	12.5	12.7	21.2	12.5	12.5	15.5	12.4	12.4	12.4	12.4	12.7	28.9	12.4	12.4
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	11.4	6.0	6.0	6.4	5.9	6.2	12.5	6.1	6.1	17.0	6.6	7.1	6.6	6.3	8.5	13.2	6.9	7.4
	GP	11.6	6.1	6.2	6.8	6.0	6.3	17.6	6.3	6.3	17.0	7.1	7.9	7.1	6.6	8.7	19.1	7.6	8.3
	ML	10.7	5.1	5.1	5.1	5.1	5.2	6.6	5.1	5.1	16.4	5.2	5.3	5.2	5.1	5.3	6.8	5.2	5.3
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	5.6	5.5	5.5	5.6	5.5	5.5	5.4	5.6	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.3	5.4	5.4
	GP	5.6	5.3	5.3	5.3	5.2	5.2	5.4	5.3	5.3	5.5	5.1	5.1	5.1	5.1	5.1	5.4	5.1	5.1
	ML	5.4	5.2	5.2	5.2	5.2	5.4	5.1	5.3	5.2	5.3	5.2	5.2	5.2	5.2	5.3	5.1	5.3	5.2

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	80.2	43.8	52.8	44.1	53.6	75.5	130.8	55.4	46.4	71.9	48.6	62.0	48.0	38.9	54.6	127.7	41.0	49.2
	GP	80.2	59.6	74.0	60.5	65.0	76.4	171.4	72.2	61.2	71.9	58.4	77.5	59.6	45.3	55.1	164.3	47.0	59.5
	ML	80.2	32.4	39.3	31.1	41.2	51.9	113.2	42.9	35.1	71.9	39.3	49.8	37.2	30.7	39.6	111.0	34.0	39.7
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	22.3	15.5	15.5	14.1	14.2	19.0	16.3	12.2	15.4	13.7	8.7	7.4	6.9	9.9	10.7	16.6	6.6	8.4
	GP	24.1	22.1	21.9	18.6	18.4	20.9	22.7	16.5	22.0	13.9	10.1	8.1	7.5	12.1	11.0	23.5	7.0	9.6
	ML	19.3	7.4	7.0	7.1	6.6	6.6	7.5	6.2	7.6	12.7	5.4	5.3	5.2	5.5	5.4	8.1	5.2	5.4
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	17.5	17.5	19.5	18.7	12.9	14.4	5.9	14.8	17.9	11.4	11.2	13.7	12.8	12.5	11.2	6.7	11.1	11.6
	GP	20.6	25.5	28.8	26.8	17.1	17.2	6.3	22.5	26.4	12.0	14.0	18.1	16.4	15.7	11.9	7.6	14.8	14.6
	ML	20.6	9.5	10.5	9.9	7.2	8.5	5.2	7.1	9.6	12.0	6.8	7.7	7.4	7.2	8.9	5.3	6.1	6.9

**Planning Time Index – Horizon Year 2049**

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.05	1.04	1.04	1.04	1.04	1.04	1.06	1.04	1.04	1.29	1.06	1.05	1.06	1.06	1.11	1.40	1.05	1.05
	GP	1.05	1.04	1.04	1.04	1.04	1.04	1.08	1.04	1.04	1.29	1.06	1.06	1.06	1.06	1.12	1.67	1.06	1.06
	ML	1.05	1.02	1.02	1.02	1.02	1.04	1.03	1.02	1.02	1.29	1.03	1.03	1.03	1.03	1.05	1.17	1.03	1.03
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.33	1.11	1.12	1.11	1.12	1.19	1.12	1.13	1.11	1.92	1.23	1.23	1.27	1.21	1.31	1.81	1.29	1.21
	GP	1.33	1.12	1.14	1.13	1.13	1.19	1.14	1.15	1.13	1.93	1.28	1.27	1.32	1.24	1.32	2.27	1.36	1.24
	ML	1.28	1.02	1.02	1.02	1.02	1.05	1.02	1.02	1.02	1.81	1.04	1.04	1.03	1.03	1.06	1.17	1.04	1.03
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.05	1.04	1.04	1.04	1.04	1.04	1.05	1.04	1.04	1.07	1.07	1.08	1.09	1.08	1.08	1.08	1.08	1.07
	GP	1.05	1.05	1.04	1.04	1.05	1.05	1.06	1.04	1.05	1.07	1.08	1.09	1.08	1.09	1.09	1.09	1.08	1.08
	ML	1.02	1.00	1.00	1.00	1.00	1.03	1.01	1.02	1.00	1.03	1.01	1.01	1.01	1.01	1.04	1.02	1.02	1.01
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	2.86	1.35	1.35	1.26	1.51	2.46	7.92	1.76	1.39	6.73	2.28	2.37	2.14	3.59	6.62	11.53	3.76	2.53
	GP	2.86	1.52	1.53	1.39	1.92	2.48	12.42	2.38	1.59	6.73	3.31	3.49	3.65	5.53	6.76	16.35	5.20	3.70
	ML	2.86	1.13	1.12	1.08	1.14	1.68	6.56	1.26	1.14	6.73	1.50	1.53	1.29	2.35	3.93	9.69	2.77	1.67
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	3.25	2.23	2.19	2.22	2.38	2.89	3.16	2.60	2.19	4.09	2.77	2.77	2.85	2.73	3.60	3.47	3.15	2.78
	GP	3.31	3.04	3.01	3.06	3.41	3.04	4.55	3.84	3.04	4.26	4.06	4.04	4.24	3.82	3.85	4.76	4.51	3.98
	ML	3.05	1.28	1.26	1.25	1.30	1.12	1.80	1.39	1.27	3.72	1.51	1.49	1.48	1.36	1.29	1.56	1.58	1.51
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.80	1.92	2.19	1.97	1.39	1.67	1.20	2.25	1.80	2.74	3.11	3.22	3.33	1.60	2.24	1.28	3.28	2.93
	GP	2.10	2.62	3.09	2.53	1.58	1.94	1.28	3.33	2.38	3.29	4.81	5.05	5.13	1.91	2.76	1.43	5.41	4.73
	ML	2.10	1.21	1.29	1.22	1.06	1.12	1.05	1.32	1.20	3.29	1.68	1.69	1.76	1.10	1.28	1.04	1.60	1.63



**Planning Time Index – Horizon Ye**

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.69	1.05	1.05	1.05	1.06	1.10	2.42	1.06	1.05	1.39	1.04	1.04	1.04	1.05	1.05	4.22	1.04	1.04
	GP	1.69	1.06	1.06	1.06	1.06	1.10	3.45	1.06	1.06	1.39	1.05	1.05	1.05	1.05	1.05	6.37	1.05	1.05
	ML	1.69	1.03	1.03	1.03	1.03	1.05	1.87	1.03	1.03	1.39	1.02	1.02	1.02	1.02	1.05	3.10	1.02	1.02
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	2.60	1.24	1.26	1.67	1.21	1.30	2.59	1.28	1.26	3.86	1.45	1.59	1.55	1.40	1.93	2.72	1.56	1.62
	GP	2.63	1.28	1.32	2.00	1.24	1.33	3.70	1.34	1.32	3.88	1.61	1.87	1.75	1.50	1.97	4.06	1.79	1.92
	ML	2.46	1.02	1.03	1.08	1.02	1.06	1.38	1.03	1.03	3.73	1.06	1.09	1.07	1.05	1.10	1.40	1.08	1.09
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.08	1.08	1.09	1.09	1.09	1.07	1.09	1.09	1.09	1.06	1.05	1.05	1.05	1.05	1.05	1.07	1.05	1.05
	GP	1.09	1.10	1.09	1.09	1.09	1.08	1.10	1.10	1.08	1.07	1.06	1.06	1.05	1.05	1.06	1.08	1.05	1.06
	ML	1.04	1.02	1.02	1.01	1.01	1.04	1.03	1.03	1.01	1.04	1.01	1.01	1.00	1.01	1.03	1.03	1.02	1.01
		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	7.15	4.15	5.00	4.08	4.63	6.84	11.12	4.91	4.24	7.09	4.46	5.52	4.35	3.42	4.84	10.74	3.67	4.64
	GP	7.15	5.90	6.89	5.38	5.65	6.92	14.93	6.42	5.60	7.09	5.39	7.05	5.41	4.02	4.89	14.33	4.18	5.61
	ML	7.15	3.11	3.82	3.06	3.56	4.66	9.54	3.83	3.27	7.09	3.63	4.48	3.39	2.65	3.47	9.32	3.09	3.84
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	4.93	3.46	3.49	3.08	2.96	4.05	3.39	2.79	3.36	2.93	1.87	1.73	1.58	2.11	2.42	3.54	1.50	1.88
	GP	5.33	5.12	5.21	4.18	3.90	4.49	4.79	3.91	4.99	2.98	2.21	1.99	1.77	2.64	2.49	5.02	1.68	2.24
	ML	4.28	1.61	1.54	1.47	1.36	1.38	1.56	1.37	1.65	2.72	1.11	1.09	1.08	1.13	1.10	1.82	1.08	1.11
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	3.88	3.57	3.93	3.80	2.81	3.46	1.27	2.97	3.68	2.45	2.32	2.78	2.65	2.58	2.39	1.46	2.37	2.52
	GP	4.50	5.33	5.92	5.50	3.79	4.11	1.39	4.49	5.54	2.67	2.95	3.72	3.46	3.32	2.61	1.74	3.30	3.34
	ML	4.50	1.93	2.17	2.05	1.52	1.94	1.05	1.41	1.99	2.67	1.36	1.55	1.48	1.44	1.77	1.08	1.24	1.44

**Travel Time Reliability Index – Horizon Year 2049**

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.02	1.02	1.00	1.00
	GP	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.02	1.03	1.00	1.00
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.04	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.01	1.14	1.00	1.02	1.02	1.00	1.01	1.02	1.02	1.01
	GP	1.04	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.01	1.14	1.01	1.02	1.03	1.00	1.01	1.06	1.03	1.01
	ML	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.16	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.01
	GP	1.00	1.08	1.08	1.08	1.08	1.08	1.00	1.08	1.08	1.00	1.08	1.07	1.07	1.07	1.08	1.01	1.09	1.07
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.04	1.03	1.04	1.04	1.04	1.06	1.02	1.04	1.05	1.07	1.06	1.05	1.05	1.06	1.03	1.01	1.06	1.06
	GP	1.04	1.04	1.07	1.06	1.07	1.06	1.03	1.04	1.07	1.07	1.05	1.06	1.13	1.05	1.03	1.01	1.04	1.04
	ML	1.04	1.01	1.01	1.01	1.01	1.03	1.02	1.04	1.02	1.07	1.03	1.05	1.05	1.07	1.03	1.01	1.10	1.07
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.04	1.06	1.03	1.02	1.01	1.04	1.01	1.01	1.03	1.04	1.01	1.01	1.02	1.01	1.02	1.03	1.01	1.01
	GP	1.03	1.05	1.04	1.02	1.03	1.05	1.02	1.01	1.04	1.04	1.02	1.02	1.03	1.00	1.01	1.02	1.02	1.01
	ML	1.04	1.04	1.01	1.01	1.03	1.01	1.03	1.02	1.02	1.04	1.00	1.01	1.01	1.01	1.02	1.04	1.03	1.02
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.12	1.08	1.03	1.07	1.04	1.06	1.01	1.05	1.03	1.12	1.10	1.06	1.11	1.06	1.05	1.05	1.03	1.07
	GP	1.16	1.10	1.02	1.08	1.06	1.07	1.02	1.07	1.05	1.07	1.10	1.07	1.11	1.08	1.06	1.09	1.06	1.05
	ML	1.16	1.02	1.02	1.02	1.01	1.01	1.00	1.01	1.02	1.07	1.10	1.07	1.13	1.00	1.01	1.01	1.04	1.06

**Travel Time Reliability Index – Ho**

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.01	1.00	1.00	1.00	1.00	1.01	1.03	1.00	1.00	1.09	1.00	1.00	1.00	1.00	1.00	1.07	1.00	1.00
	GP	1.01	1.00	1.00	1.00	1.00	1.01	1.04	1.00	1.00	1.09	1.00	1.00	1.00	1.00	1.00	1.07	1.00	1.00
	ML	1.01	1.00	1.00	1.00	1.00	1.00	1.03	1.00	1.00	1.09	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.04	1.01	1.02	1.01	1.01	1.03	1.02	1.03	1.01	1.06	1.07	1.05	1.05	1.07	1.14	1.01	1.05	1.03
	GP	1.04	1.01	1.02	1.01	1.01	1.03	1.03	1.03	1.02	1.06	1.10	1.06	1.07	1.09	1.15	1.03	1.07	1.04
	ML	1.04	1.00	1.00	1.00	1.01	1.01	1.03	1.00	1.00	1.07	1.02	1.02	1.02	1.01	1.02	1.02	1.01	1.01
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.00	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	GP	1.00	1.09	1.06	1.08	1.09	1.09	1.01	1.08	1.06	1.00	1.08	1.08	1.08	1.08	1.08	1.00	1.08	1.08
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Eastbound: Kidwell Rd Off-ramp to US 50 Off-ramp	All	1.03	1.08	1.07	1.05	1.01	1.08	1.02	1.01	1.09	1.12	1.10	1.03	1.04	1.02	1.04	1.01	1.04	1.04
	GP	1.03	1.10	1.06	1.03	1.02	1.07	1.04	1.01	1.09	1.12	1.09	1.07	1.05	1.03	1.04	1.05	1.04	1.06
	ML	1.03	1.08	1.06	1.07	1.01	1.08	1.02	1.03	1.12	1.12	1.10	1.06	1.04	1.01	1.02	1.01	1.03	1.03
US 50 Eastbound: I-80 to SR 51/99 Off-ramp	All	1.04	1.06	1.04	1.05	1.02	1.01	1.01	1.10	1.02	1.03	1.07	1.17	1.08	1.03	1.05	1.03	1.08	1.05
	GP	1.05	1.05	1.07	1.04	1.02	1.02	1.04	1.13	1.04	1.03	1.08	1.21	1.11	1.04	1.05	1.03	1.10	1.05
	ML	1.04	1.08	1.04	1.01	1.02	1.02	1.02	1.07	1.05	1.04	1.01	1.02	1.01	1.01	1.00	1.05	1.01	1.01
I-80 Eastbound: US 50 Off-ramp to Truxel Rd Off-ramp	All	1.14	1.03	1.02	1.02	1.07	1.15	1.03	1.02	1.03	1.03	1.05	1.02	1.05	1.05	1.08	1.07	1.04	1.03
	GP	1.14	1.03	1.03	1.03	1.09	1.14	1.07	1.01	1.04	1.05	1.05	1.02	1.05	1.06	1.11	1.10	1.06	1.05
	ML	1.14	1.03	1.02	1.02	1.02	1.13	1.00	1.02	1.03	1.05	1.03	1.02	1.02	1.02	1.02	1.01	1.02	1.02

Average Travel Time – Horizon Year 2049

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	13.8	13.1	13.2	13.2	13.2	13.3	13.4	13.3	13.2	14.1	13.3	13.3	13.3	13.3	13.7	13.6	13.3	13.4
US 50 On-ramp to Kidwell Rd Off-ramp	GP	13.8	13.4	13.5	13.4	13.4	13.4	13.8	13.7	13.5	14.1	13.8	13.7	13.7	13.7	13.8	14.2	13.8	13.8
	ML	13.8	12.7	12.8	12.7	12.7	12.8	13.4	12.6	12.7	14.1	12.8	12.8	12.8	12.8	12.9	13.6	12.5	12.8
US 50 Westbound:	All	18.5	5.4	5.4	7.3	5.8	14.1	24.7	5.5	5.6	22.3	5.4	5.3	7.8	5.6	14.1	31.6	5.5	5.5
SR 51 On-ramp to I-80 On-ramp	GP	19.0	5.7	5.7	8.1	6.2	15.6	34.5	5.8	5.9	23.6	5.6	5.5	8.7	5.9	15.8	56.1	5.8	5.7
	ML	17.9	5.1	5.1	6.3	5.2	9.8	22.7	4.8	5.1	20.8	5.0	5.0	6.5	5.1	10.1	28.2	4.8	5.1
I-80 Westbound:	All	15.4	15.6	15.2	15.7	15.4	12.6	11.3	6.4	15.2	15.6	17.8	17.6	18.0	17.9	15.1	12.6	7.4	17.9
Truxel Rd SB On-ramp to US 50 On-ramp	GP	21.4	19.2	17.8	20.4	19.1	15.3	19.8	7.2	17.8	20.9	25.2	24.0	24.9	24.5	20.9	20.7	8.6	25.5
	ML	11.9	15.4	14.6	12.2	13.1	8.0	7.2	5.2	16.2	11.2	14.2	13.0	10.7	11.8	8.4	7.3	5.3	14.4

		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	12.8	12.2	12.2	12.1	12.3	12.3	12.5	12.2	12.2	13.2	12.4	12.2	12.2	12.2	12.4	13.1	12.3	12.3
US 50 On-ramp to Kidwell Rd Off-ramp	GP	12.8	12.3	12.3	12.2	12.3	12.3	12.7	12.2	12.2	13.2	12.5	12.3	12.3	12.2	12.4	13.6	12.3	12.3
	ML	12.8	12.1	12.1	12.0	12.1	12.0	12.2	12.1	12.1	13.2	12.1	12.1	12.0	12.0	12.0	12.2	12.2	12.1
US 50 Westbound:	All	6.5	5.8	5.9	5.7	5.9	6.1	11.1	5.1	8.7	7.6	8.1	8.0	7.8	7.8	7.4	12.9	8.5	11.1
SR 51 On-ramp to I-80 On-ramp	GP	7.1	6.3	6.5	6.1	6.5	6.7	16.5	5.2	10.7	8.1	9.9	9.8	9.6	9.8	8.3	19.9	10.6	15.0
	ML	5.8	4.8	4.8	4.8	4.9	4.9	6.6	4.7	5.5	6.7	5.3	5.1	5.1	5.2	5.1	7.2	5.3	5.9
I-80 Westbound:	All	6.0	5.4	5.5	5.2	5.7	5.4	8.0	5.2	5.3	9.2	5.6	6.0	5.5	5.4	6.7	11.8	5.5	5.5
Truxel Rd SB On-ramp to US 50 On-ramp	GP	6.0	5.4	5.6	5.2	5.7	5.4	10.6	5.3	5.3	10.1	5.6	6.5	5.7	5.5	7.0	19.5	5.6	5.6
	ML	6.0	5.2	5.4	5.0	5.5	5.1	5.6	5.1	5.1	8.2	5.2	5.3	5.1	5.1	5.3	6.6	5.1	5.1

Average Travel Time – Horizon Year

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	14.1	13.3	13.3	13.3	13.3	13.6	13.7	12.7	13.4	14.1	13.4	13.4	13.4	13.4	13.6	13.8	13.2	13.4
US 50 On-ramp to Kidwell Rd Off-ramp	GP	14.1	13.7	13.6	13.6	13.6	13.7	14.2	12.8	13.8	14.1	13.8	13.8	13.8	13.8	13.7	14.5	13.6	13.9
	ML	14.1	12.8	12.8	12.8	12.8	12.9	13.7	12.3	12.8	14.1	12.9	12.9	12.8	12.8	12.9	13.8	12.4	12.9
US 50 Westbound:	All	20.1	5.1	5.2	6.2	5.2	12.1	22.7	5.1	5.2	19.7	6.6	6.4	7.8	6.8	14.2	22.6	5.9	7.1
SR 51 On-ramp to I-80 On-ramp	GP	20.7	5.2	5.2	6.6	5.2	13.3	34.4	5.2	5.3	20.2	7.3	7.0	8.9	7.5	16.0	35.0	6.4	7.9
	ML	19.3	4.9	4.9	5.5	4.8	8.9	20.2	4.7	4.8	19.0	5.9	5.8	6.6	6.0	10.0	20.6	5.0	6.3
I-80 Westbound:	All	13.4	13.0	11.8	14.7	12.6	11.9	12.3	8.3	12.7	17.6	15.6	15.1	16.3	15.8	12.9	11.7	7.0	15.5
Truxel Rd SB On-ramp to US 50 On-ramp	GP	17.7	17.6	15.1	19.5	15.9	16.0	20.5	10.3	17.0	23.1	20.6	18.6	22.3	20.9	16.5	18.2	8.1	20.2
	ML	9.6	8.0	7.4	8.3	7.5	7.1	7.3	5.4	8.0	13.4	12.4	12.4	9.3	10.9	7.8	7.1	5.2	12.1

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	14.2	12.8	12.7	12.3	12.7	13.3	13.7	12.4	12.7	13.0	12.3	12.2	12.0	12.1	12.4	13.4	12.0	12.5
US 50 On-ramp to Kidwell Rd Off-ramp	GP	14.2	13.2	13.0	12.4	12.9	13.4	14.6	12.6	13.0	13.0	12.4	12.3	12.0	12.1	12.5	13.9	12.0	12.6
	ML	14.2	12.1	12.1	12.0	12.1	12.0	12.3	12.2	12.1	13.0	12.0	12.0	11.8	11.9	11.9	12.2	12.0	12.0
US 50 Westbound:	All	8.4	9.1	8.4	7.8	8.4	8.0	13.7	9.7	12.2	8.4	8.6	8.7	7.4	7.7	7.4	12.1	9.0	8.0
SR 51 On-ramp to I-80 On-ramp	GP	8.8	11.6	10.3	9.9	10.9	8.6	20.4	13.0	17.0	9.0	11.4	11.2	9.2	10.0	8.0	17.4	12.2	10.1
	ML	7.7	5.4	5.3	5.0	5.3	5.1	6.9	5.5	6.1	7.4	5.3	5.3	5.1	5.2	5.0	6.7	5.4	5.2
I-80 Westbound:	All	17.8	7.1	8.2	5.5	5.8	8.7	16.5	5.7	5.9	15.1	6.0	7.7	5.2	5.3	6.5	15.7	5.2	5.8
Truxel Rd SB On-ramp to US 50 On-ramp	GP	23.6	7.3	9.9	5.7	5.9	9.4	27.1	5.9	6.1	20.6	6.1	9.3	5.2	5.3	6.7	25.5	5.3	5.8
	ML	14.5	6.6	6.1	5.1	5.4	6.5	9.8	5.1	5.5	10.9	5.9	5.6	5.0	5.1	5.6	8.6	5.0	5.6

Planning Time Index – Horizon Year 2049

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.18	1.14	1.14	1.14	1.14	1.15	1.16	1.16	1.14	1.21	1.15	1.15	1.15	1.15	1.19	1.17	1.16	1.16
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.18	1.17	1.17	1.17	1.16	1.16	1.19	1.19	1.17	1.21	1.19	1.19	1.19	1.18	1.20	1.22	1.21	1.20
	ML	1.18	1.14	1.14	1.14	1.14	1.15	1.16	1.09	1.14	1.21	1.15	1.15	1.15	1.15	1.18	1.17	1.08	1.15
US 50 Westbound:	All	4.24	1.27	1.28	1.85	1.41	3.28	5.70	1.28	1.31	5.01	1.27	1.21	2.12	1.50	3.25	7.34	1.34	1.31
SR 51 On-ramp to I-80 On-ramp	GP	4.35	1.37	1.38	2.09	1.55	3.65	8.12	1.38	1.41	5.31	1.37	1.27	2.45	1.64	3.67	13.55	1.47	1.41
	ML	4.09	1.24	1.23	1.74	1.29	2.91	5.24	1.06	1.21	4.71	1.20	1.17	2.01	1.18	3.02	6.61	1.07	1.21
I-80 Westbound:	All	3.39	3.40	3.26	3.39	3.46	2.76	2.36	1.42	3.34	3.37	3.96	3.95	3.86	3.92	3.21	2.63	1.63	3.82
Truxel Rd SB On-ramp to US 50 On-ramp	GP	4.79	4.42	3.96	4.43	4.36	3.47	4.09	1.68	4.09	4.46	5.74	5.46	5.33	5.39	4.48	4.24	1.94	5.57
	ML	2.62	3.48	3.33	3.05	3.15	1.68	1.48	1.07	3.67	2.43	3.43	3.13	2.37	2.83	1.75	1.50	1.09	3.33
		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.14	1.06	1.06	1.05	1.06	1.06	1.08	1.05	1.07	1.17	1.08	1.06	1.06	1.06	1.08	1.14	1.06	1.07
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.14	1.06	1.06	1.05	1.07	1.07	1.10	1.05	1.08	1.17	1.09	1.07	1.07	1.06	1.08	1.19	1.06	1.07
	ML	1.14	1.04	1.04	1.03	1.04	1.04	1.04	1.05	1.04	1.17	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.04
US 50 Westbound:	All	1.57	1.42	1.39	1.32	1.44	1.40	2.57	1.18	2.28	1.78	2.00	1.90	1.77	1.82	1.72	3.02	2.01	2.87
SR 51 On-ramp to I-80 On-ramp	GP	1.79	1.63	1.59	1.47	1.76	1.55	4.05	1.22	2.90	1.93	2.54	2.35	2.22	2.42	1.95	4.69	2.52	4.23
	ML	1.36	1.08	1.09	1.07	1.09	1.10	1.53	1.04	1.37	1.58	1.25	1.16	1.17	1.19	1.19	1.69	1.22	1.41
I-80 Westbound:	All	1.29	1.12	1.27	1.06	1.32	1.10	1.75	1.07	1.09	2.07	1.19	1.37	1.20	1.15	1.63	2.81	1.15	1.17
Truxel Rd SB On-ramp to US 50 On-ramp	GP	1.29	1.12	1.27	1.06	1.34	1.11	2.49	1.08	1.09	2.33	1.21	1.57	1.27	1.18	1.81	4.62	1.19	1.23
	ML	1.28	1.09	1.23	1.03	1.27	1.04	1.17	1.03	1.05	1.79	1.13	1.10	1.05	1.07	1.11	1.62	1.04	1.05

Planning Time Index – Horizon Year

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.21	1.15	1.15	1.15	1.15	1.18	1.18	1.11	1.16	1.21	1.16	1.16	1.18	1.17	1.18	1.19	1.14	1.16
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.21	1.19	1.18	1.18	1.18	1.19	1.23	1.13	1.20	1.21	1.20	1.20	1.22	1.20	1.19	1.25	1.18	1.21
	ML	1.21	1.15	1.15	1.15	1.15	1.18	1.18	1.07	1.16	1.21	1.16	1.16	1.15	1.15	1.18	1.19	1.07	1.16
US 50 Westbound:	All	4.61	1.14	1.14	1.64	1.14	2.91	5.39	1.15	1.15	4.82	1.60	1.54	1.90	1.62	3.42	5.32	1.37	1.70
SR 51 On-ramp to I-80 On-ramp	GP	4.70	1.16	1.16	1.81	1.16	3.28	8.83	1.18	1.18	5.00	1.80	1.72	2.28	1.85	3.94	8.26	1.49	1.94
	ML	4.49	1.10	1.11	1.60	1.10	2.78	4.73	1.03	1.09	4.61	1.57	1.52	1.75	1.59	3.15	4.86	1.12	1.66
I-80 Westbound:	All	2.99	2.90	2.56	3.16	2.71	2.67	2.57	1.80	2.76	3.69	3.33	3.29	3.44	3.42	2.92	2.45	1.57	3.29
Truxel Rd SB On-ramp to US 50 On-ramp	GP	3.94	4.07	3.35	4.31	3.50	3.48	4.26	2.31	3.75	4.89	4.41	4.14	4.83	4.67	3.74	3.77	1.91	4.37
	ML	2.21	1.82	1.60	1.80	1.62	1.61	1.51	1.11	1.75	2.80	2.86	2.70	1.95	2.44	1.67	1.49	1.07	2.62

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.22	1.12	1.12	1.08	1.12	1.16	1.17	1.09	1.11	1.13	1.07	1.07	1.04	1.05	1.08	1.15	1.04	1.09
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.22	1.16	1.15	1.09	1.16	1.17	1.26	1.11	1.15	1.13	1.08	1.08	1.04	1.06	1.08	1.21	1.04	1.10
	ML	1.22	1.05	1.05	1.04	1.04	1.04	1.05	1.06	1.05	1.13	1.03	1.04	1.03	1.03	1.04	1.05	1.03	1.04
US 50 Westbound:	All	2.06	2.20	2.08	1.80	1.91	1.87	3.19	2.39	3.23	1.97	2.03	2.03	1.94	1.83	1.84	2.91	2.08	2.03
SR 51 On-ramp to I-80 On-ramp	GP	2.22	2.88	2.57	2.42	2.60	2.06	4.78	3.31	4.74	2.13	2.77	2.73	2.55	2.47	2.07	4.18	2.88	2.69
	ML	1.81	1.27	1.26	1.13	1.20	1.13	1.59	1.27	1.48	1.72	1.19	1.19	1.16	1.19	1.13	1.58	1.22	1.19
I-80 Westbound:	All	4.00	1.64	1.96	1.26	1.38	1.92	3.67	1.29	1.38	3.27	1.52	2.05	1.05	1.10	1.42	3.45	1.09	1.28
Truxel Rd SB On-ramp to US 50 On-ramp	GP	5.43	1.69	2.62	1.36	1.40	2.17	6.24	1.41	1.46	4.53	1.55	2.81	1.06	1.11	1.51	5.57	1.12	1.29
	ML	3.31	1.58	1.40	1.05	1.31	1.41	2.20	1.07	1.23	2.39	1.51	1.27	1.02	1.06	1.19	1.95	1.03	1.25

Travel Time Reliability Index – Horizon Year 2049

		6 to 7 AM									7 to 8 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.00	1.01	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	ML	1.00	1.03	1.03	1.03	1.04	1.05	1.00	1.01	1.03	1.00	1.04	1.04	1.04	1.04	1.05	1.00	1.00	1.04
US 50 Westbound:	All	1.02	1.04	1.04	1.05	1.13	1.03	1.04	1.06	1.03	1.03	1.05	1.02	1.14	1.05	1.02	1.01	1.08	1.03
SR 51 On-ramp to I-80 On-ramp	GP	1.03	1.06	1.06	1.05	1.17	1.04	1.04	1.09	1.04	1.01	1.07	1.02	1.16	1.07	1.02	1.06	1.12	1.05
	ML	1.02	1.05	1.07	1.27	1.04	1.31	1.05	1.01	1.06	1.02	1.06	1.04	1.26	1.04	1.46	1.01	1.01	1.07
I-80 Westbound:	All	1.06	1.02	1.05	1.02	1.05	1.02	1.01	1.05	1.05	1.03	1.07	1.05	1.02	1.03	1.03	1.01	1.06	1.04
Truxel Rd SB On-ramp to US 50 On-ramp	GP	1.05	1.03	1.07	1.06	1.06	1.06	1.00	1.10	1.07	1.02	1.10	1.06	1.02	1.02	1.03	1.01	1.09	1.04
	ML	1.06	1.08	1.06	1.06	1.07	1.01	1.01	1.01	1.09	1.05	1.11	1.06	1.06	1.11	1.02	1.02	1.01	1.10

		3 to 4 PM									4 to 5 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.02	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.02	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.01	1.01	1.00	1.00
	ML	1.02	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
US 50 Westbound:	All	1.04	1.06	1.05	1.03	1.03	1.03	1.03	1.01	1.07	1.03	1.06	1.03	1.02	1.03	1.00	1.03	1.03	1.09
SR 51 On-ramp to I-80 On-ramp	GP	1.06	1.09	1.08	1.05	1.10	1.03	1.07	1.02	1.06	1.04	1.07	1.03	1.04	1.03	1.03	1.03	1.05	1.17
	ML	1.05	1.01	1.01	1.01	1.01	1.01	1.03	1.00	1.05	1.03	1.03	1.02	1.02	1.02	1.03	1.03	1.03	1.02
I-80 Westbound:	All	1.05	1.02	1.05	1.00	1.16	1.01	1.05	1.00	1.01	1.06	1.02	1.07	1.06	1.01	1.10	1.07	1.01	1.02
Truxel Rd SB On-ramp to US 50 On-ramp	GP	1.05	1.02	1.05	1.00	1.16	1.01	1.10	1.00	1.01	1.09	1.02	1.11	1.08	1.01	1.13	1.06	1.02	1.02
	ML	1.04	1.03	1.06	1.00	1.16	1.00	1.01	1.00	1.01	1.04	1.03	1.02	1.01	1.01	1.03	1.07	1.00	1.00



Travel Time Reliability Index – Hc

		8 to 9 AM									9 to 10 AM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.01	1.01	1.01	1.01	1.00	1.01	1.01	1.00	1.01	1.01	1.01
	ML	1.00	1.04	1.04	1.04	1.04	1.05	1.01	1.00	1.05	1.01	1.04	1.04	1.04	1.04	1.06	1.00	1.00	1.05
US 50 Westbound:	All	1.03	1.00	1.01	1.23	1.01	1.03	1.04	1.01	1.01	1.05	1.04	1.06	1.10	1.04	1.05	1.02	1.03	1.08
SR 51 On-ramp to I-80 On-ramp	GP	1.01	1.00	1.01	1.27	1.01	1.10	1.05	1.01	1.02	1.05	1.04	1.07	1.12	1.05	1.04	1.03	1.03	1.10
	ML	1.01	1.04	1.04	1.11	1.03	1.13	1.02	1.00	1.03	1.03	1.12	1.15	1.19	1.17	1.40	1.03	1.02	1.16
I-80 Westbound:	All	1.08	1.07	1.02	1.04	1.01	1.04	1.02	1.07	1.04	1.02	1.01	1.04	1.02	1.04	1.09	1.01	1.06	1.01
Truxel Rd SB On-ramp to US 50 On-ramp	GP	1.06	1.08	1.05	1.07	1.02	1.04	1.02	1.11	1.06	1.03	1.02	1.04	1.05	1.06	1.11	1.01	1.10	1.02
	ML	1.12	1.08	1.03	1.05	1.05	1.06	1.01	1.01	1.05	1.01	1.08	1.05	1.01	1.05	1.01	1.01	1.00	1.05

		5 to 6 PM									6 to 7 PM								
Path	Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80 Westbound:	All	1.00	1.01	1.01	1.01	1.03	1.00	1.01	1.01	1.01	1.01	1.00	1.01	1.00	1.01	1.01	1.00	1.00	1.00
US 50 On-ramp to Kidwell Rd Off-ramp	GP	1.00	1.01	1.02	1.01	1.04	1.01	1.01	1.02	1.02	1.01	1.00	1.02	1.00	1.01	1.01	1.00	1.00	1.00
	ML	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
US 50 Westbound:	All	1.11	1.04	1.09	1.03	1.03	1.04	1.06	1.05	1.18	1.03	1.03	1.02	1.10	1.03	1.09	1.06	1.02	1.09
SR 51 On-ramp to I-80 On-ramp	GP	1.15	1.03	1.12	1.07	1.05	1.04	1.02	1.07	1.24	1.03	1.08	1.03	1.15	1.04	1.12	1.06	1.04	1.16
	ML	1.05	1.03	1.05	1.02	1.02	1.01	1.05	1.03	1.08	1.03	1.00	1.02	1.01	1.02	1.01	1.06	1.01	1.03
I-80 Westbound:	All	1.07	1.09	1.11	1.03	1.12	1.05	1.09	1.07	1.08	1.02	1.08	1.06	1.00	1.01	1.02	1.05	1.03	1.08
Truxel Rd SB On-ramp to US 50 On-ramp	GP	1.10	1.10	1.25	1.05	1.11	1.06	1.13	1.11	1.12	1.07	1.09	1.11	1.00	1.02	1.05	1.04	1.04	1.08
	ML	1.07	1.06	1.04	1.00	1.16	1.02	1.08	1.02	1.09	1.02	1.08	1.04	1.00	1.02	1.02	1.06	1.00	1.09

### Eastbound Peak Period Network Performance – Horizon Year 2049

Performance Measure	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
<b>AM Peak Period</b>									
Vehicle hours of delay	5,659	3,200	3,042	3,086	2,974	3,495	8,955	3,241	2,926
Vehicle hours of travel	14,992	12,872	12,719	12,685	12,548	12,611	17,324	12,906	12,545
Vehicle miles of travel	579,072	600,956	601,502	596,578	595,034	565,367	517,923	600,495	598,629
Average speed (mph)	38.7	46.7	47.3	47.1	47.4	44.8	29.9	46.5	47.7
Volume served	116,477	117,088	116,326	115,629	115,201	114,751	111,547	116,856	116,028
Entry demand not served	-53	-37	-22	-18	-39	-37	-42	-25	-52
Entry queue (mi)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>PM Peak Period</b>									
Vehicle hours of delay	27,530	22,021	24,390	21,561	21,692	24,250	30,601	22,889	22,218
Vehicle hours of travel	36,116	32,349	34,161	31,618	31,775	33,233	36,960	33,033	32,530
Vehicle miles of travel	525,648	637,494	602,158	619,811	620,812	550,731	382,625	625,446	637,542
Average speed (mph)	14.6	19.7	17.6	19.6	19.5	16.6	10.4	18.9	19.6
Volume served	118,082	123,619	120,351	123,951	124,959	121,193	107,889	123,529	123,117
Entry demand not served	7,506	1,228	3,037	1,025	1,562	5,432	15,448	2,402	1,655
Entry queue (mi)	23.7	3.9	9.6	3.2	4.9	17.1	48.8	7.6	5.2

### Westbound Peak Period Network Performance – Horizon Year 2049

Performance Measure	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
<b>AM Peak Period</b>									
Vehicle hours of delay	19,740	12,442	11,658	14,426	12,020	15,838	24,548	6,974	11,765
Vehicle hours of travel	31,042	25,570	24,893	26,954	24,828	27,809	33,708	20,671	24,892
Vehicle miles of travel	700,867	815,594	822,229	778,452	795,522	743,037	568,544	851,079	816,269
Average speed (mph)	22.6	31.9	33.0	28.9	32.0	26.7	16.9	41.2	32.8
Volume served	112,189	122,513	123,288	117,657	119,855	117,423	93,073	127,522	120,959
Entry demand not served	9,685	2,024	931	4,302	1,923	3,844	21,346	-258	1,562
Entry queue (mi)	30.6	6.4	2.9	13.6	6.1	12.1	67.4	0.0	4.9
<b>PM Peak Period</b>									
Vehicle hours of delay	12,101	9,240	10,067	7,917	8,744	7,859	19,974	8,433	10,185
Vehicle hours of travel	23,063	20,685	21,542	18,665	19,553	18,774	28,923	19,881	21,498
Vehicle miles of travel	676,908	707,594	710,074	663,873	668,476	674,096	552,544	708,769	700,135
Average speed (mph)	29.4	34.2	33.0	35.6	34.2	35.9	19.1	35.7	32.6
Volume served	128,379	128,303	127,718	123,210	121,564	127,994	107,450	127,295	126,616
Entry demand not served	2,289	2,582	3,802	2,704	3,458	1,347	13,518	2,319	2,587
Entry queue (mi)	7.2	8.1	12.0	8.5	10.9	4.3	42.7	7.3	8.2

# **Appendix K:**

## **Bus Travel Time Comparison**

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	6.6	6.7	6.7	6.8	6.7	6.8	6.9	6.7	6.7	7.1	10.2	9.4	9.6	9.4	11.0	9.9	10.4	10.0
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.3	9.5	9.5	9.5	9.4	9.6	9.7	9.4	9.5	9.8	13.0	11.9	12.5	12.2	13.9	12.4	13.0	12.8
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	12.8	13.1	13.1	13.1	13.1	13.2	13.3	13.1	13.1	13.4	14.3	14.2	13.9	14.4	14.9	16.3	14.2	14.2
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	15.5	15.7	15.6	15.7	15.6	15.7	15.7	15.7	15.7	16.8	17.5	16.8	17.1	16.5	18.5	18.4	17.5	17.4
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	17.3	17.2	17.3	17.2	17.2	17.3	17.5	17.3	17.2	18.0	17.5	17.5	17.5	17.5	17.6	19.5	17.5	17.5
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.3	9.4	9.4	9.4	9.5	9.5	9.7	9.5	9.5	10.5	12.2	12.2	12.2	12.1	12.3	13.6	12.2	12.1

Travel Time - Buses	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	6.8	7.5	7.3	7.3	7.5	7.6	7.5	7.5	7.2	6.8	7.1	7.5	7.6	7.2	7.5	7.3	7.6	7.2
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.5	10.0	10.0	10.1	10.0	10.1	10.2	10.0	10.1	9.8	11.9	11.2	11.3	11.3	12.0	11.0	11.9	11.5
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	13.1	13.5	13.5	13.6	13.5	13.5	13.4	13.5	13.5	13.7	14.4	14.4	14.1	14.3	14.8	14.7	14.3	14.2
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	15.9	16.3	16.2	16.2	16.2	16.1	15.8	16.3	16.3	17.0	16.2	16.3	16.2	16.1	16.1	16.1	16.2	16.3
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	17.6	17.6	17.6	17.5	17.6	17.6	17.5	17.6	17.6	18.4	17.7	17.6	17.7	17.7	17.6	17.8	17.7	17.7
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.6	10.0	9.9	9.9	9.9	9.9	10.0	10.0	9.9	10.3	11.6	11.4	11.7	11.5	11.5	12.2	11.4	11.6

Bus Travel Time Savings	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	-0.2	-0.7	-0.6	-0.5	-0.8	-0.8	-0.5	-0.7	-0.5	0.2	3.0	1.9	2.0	2.1	3.5	2.6	2.8	2.8
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	-0.2	-0.5	-0.5	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	0.0	1.1	0.7	1.2	0.9	2.0	1.4	1.1	1.3
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.3	-0.4	-0.4	-0.5	-0.4	-0.3	-0.1	-0.4	-0.4	-0.3	-0.1	-0.1	-0.2	0.1	0.1	1.6	-0.1	0.0
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	-0.4	-0.6	-0.6	-0.5	-0.6	-0.4	-0.1	-0.5	-0.6	-0.2	1.2	0.5	0.9	0.4	2.4	2.3	1.3	1.1
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.3	-0.4	-0.3	-0.3	-0.3	-0.3	0.0	-0.3	-0.4	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	1.7	-0.2	-0.2
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-0.3	-0.6	-0.5	-0.5	-0.5	-0.5	-0.3	-0.5	-0.4	0.2	0.7	0.7	0.6	0.6	0.9	1.4	0.8	0.5

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	6.8	12.3	11.5	11.4	10.0	13.3	13.2	12.1	11.6	6.6	9.1	7.6	7.2	6.8	10.1	9.7	9.1	7.4
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.5	15.0	14.1	14.1	12.2	15.9	15.6	14.8	14.3	9.4	12.1	10.5	10.3	9.6	14.0	12.8	12.8	10.2
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	13.0	14.3	13.8	13.6	14.4	15.3	18.3	14.4	14.0	13.0	13.5	13.6	13.8	13.4	15.3	14.9	14.2	13.4
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	16.3	18.9	18.9	18.7	18.4	20.0	22.5	19.8	19.5	17.8	18.5	19.2	18.4	17.2	22.3	20.0	19.9	18.6
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	17.5	17.5	17.4	17.4	17.4	17.5	21.6	17.5	17.4	17.5	17.6	17.8	18.0	17.4	18.7	18.8	18.3	17.5
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	10.0	12.4	12.3	12.4	12.4	12.5	14.8	12.3	12.3	9.6	12.2	12.6	12.7	12.2	13.3	14.1	13.1	12.3

Travel Time - Buses	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	7.0	11.4	10.1	10.7	9.8	11.9	9.9	11.2	10.9	6.7	10.1	8.6	8.7	7.3	10.5	9.9	9.9	9.0
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.7	14.2	13.0	13.3	11.7	14.8	13.1	14.1	13.5	9.7	11.4	11.1	10.8	10.4	12.5	12.1	12.2	10.7
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	13.3	14.5	14.2	14.0	14.6	15.3	14.8	14.7	14.3	13.3	13.9	13.8	13.8	13.9	15.0	14.3	15.0	14.0
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	16.8	16.5	16.6	16.5	16.5	16.5	16.7	16.6	16.6	18.1	16.4	16.6	16.5	16.3	16.4	16.6	16.6	16.4
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	17.9	17.8	17.7	17.7	17.6	17.6	17.8	17.8	17.7	17.8	17.8	18.1	18.4	17.8	18.8	18.4	18.7	17.9
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	10.0	11.4	11.3	11.4	11.4	11.6	12.5	11.2	11.4	10.2	11.5	12.5	12.6	11.1	12.3	12.8	12.4	11.3

Bus Travel Time Savings	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	-0.2	0.9	1.3	0.8	0.2	1.4	3.2	0.9	0.8	-0.1	-1.0	-1.0	-1.5	-0.6	-0.5	-0.2	-0.8	-1.6
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	-0.2	0.8	1.1	0.8	0.5	1.2	2.5	0.7	0.7	-0.3	0.7	-0.6	-0.6	-0.8	1.5	0.7	0.6	-0.5
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.3	-0.2	-0.4	-0.4	-0.2	-0.1	3.5	-0.3	-0.4	-0.3	-0.5	-0.2	0.1	-0.5	0.2	0.6	-0.8	-0.5
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	-0.5	2.4	2.3	2.2	1.9	3.6	5.7	3.2	2.9	-0.2	2.1	2.6	1.9	0.9	5.9	3.5	3.3	2.2
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.4	-0.3	-0.3	-0.3	-0.2	-0.1	3.9	-0.3	-0.3	-0.3	-0.2	-0.4	-0.4	-0.4	0.0	0.4	-0.4	-0.4
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	0.0	1.0	1.0	0.9	1.0	1.0	2.3	1.1	0.9	-0.6	0.8	0.1	0.1	1.2	1.0	1.3	0.7	1.0

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	8.3	8.0	7.7	7.5	7.6	8.9	31.1	8.0	10.7	8.9	11.7	10.5	10.5	11.0	10.5	32.0	11.6	18.2	18.2
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	12.5	17.8	15.0	14.0	12.9	15.5	52.8	16.9	19.7	13.2	21.6	17.1	15.8	16.1	16.6	49.7	20.8	30.8	30.8
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	30.0	31.6	27.1	23.9	24.1	34.9	95.6	28.6	31.6	29.9	37.3	32.7	30.8	31.1	33.7	94.3	34.5	52.3	52.3
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	32.0	35.5	31.2	29.8	29.5	36.1	93.8	34.1	38.0	32.7	40.7	36.5	34.5	34.2	36.4	99.3	38.3	52.0	52.0
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	38.7	36.1	31.7	29.1	28.7	40.7	138.1	33.0	36.9	45.1	44.7	39.0	36.4	38.2	46.3	-	40.7	59.6	59.6
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	23.7	28.5	25.8	24.8	24.3	25.7	73.0	28.7	31.2	24.3	33.6	28.6	26.5	26.6	25.6	68.7	31.3	45.2	45.2

Travel Time - Buses	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	8.5	7.8	7.7	7.7	7.8	7.7	14.4	7.7	10.5	9.0	9.4	8.7	8.4	8.9	9.3	32.3	9.0	12.4	12.4
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	12.6	16.4	-	11.3	15.2	12.1	31.5	-	18.8	-	16.7	14.8	11.8	13.1	-	36.1	15.5	25.4	25.4
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	36.6	24.6	20.3	17.6	25.6	20.8	36.2	19.0	21.8	33.9	26.9	24.8	19.9	20.3	24.1	56.5	-	31.0	31.0
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	33.8	20.1	19.8	18.5	18.7	19.5	33.6	19.4	19.6	34.5	22.5	22.3	21.6	21.6	20.6	61.0	22.1	24.0	24.0
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	37.3	27.8	24.2	23.0	21.6	27.0	107.5	25.6	27.2	44.5	35.2	32.2	28.0	29.7	38.6	-	29.9	38.2	38.2
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	25.0	20.1	20.3	-	19.1	17.3	39.3	-	20.2	26.2	21.7	21.1	20.3	20.6	18.2	44.7	21.2	22.4	22.4

Bus Travel Time Savings	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.2	0.2	-0.1	-0.3	-0.3	1.1	16.8	0.3	0.2	-0.1	2.3	1.8	2.1	2.1	1.2	-0.3	2.6	5.8	5.8
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-0.2	1.4	-	2.7	-2.3	3.5	21.3	-	0.9	-	4.9	2.3	4.0	2.9	-	13.6	5.3	5.5	5.5
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-6.6	7.0	6.8	6.3	-1.6	14.2	59.4	9.6	9.8	-4.0	10.4	7.9	10.8	10.8	9.6	37.9	-	21.3	21.3
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-1.8	15.3	11.4	11.3	10.7	16.6	60.1	14.7	18.4	-1.8	18.1	14.2	12.8	12.6	15.8	38.3	16.2	28.0	28.0
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	1.4	8.3	7.5	6.1	7.1	13.7	30.5	7.5	9.7	0.5	9.5	6.8	8.5	8.5	7.7	-	10.9	21.4	21.4
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-1.3	8.4	5.5	-	5.2	8.4	33.7	-	11.1	-1.9	11.8	7.5	6.2	6.0	7.4	24.0	10.2	22.8	22.8

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	5 to 6 PM									6 to 7 PM								
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	9.3	14.4	16.4	16.9	15.9	10.9	23.6	15.7	19.7	8.3	14.4	15.3	14.4	15.4	8.8	12.8	15.6	14.1
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	12.2	18.7	20.1	19.6	18.1	13.7	40.6	18.2	33.1	11.1	17.0	18.4	16.9	18.4	11.5	30.4	18.2	19.1
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	27.7	34.4	34.7	37.1	36.4	33.7	71.6	35.3	48.8	25.1	31.4	33.7	32.3	31.7	28.2	42.8	32.7	34.0
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	28.8	33.8	36.0	36.9	35.6	32.6	63.3	33.7	48.0	24.8	29.2	30.5	30.4	31.2	26.0	34.4	30.6	32.3
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	44.4	45.0	47.7	46.8	48.5	50.5	-	43.1	67.6	37.9	37.1	40.8	40.9	41.0	42.1	-	38.6	46.3
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	22.4	29.0	30.4	31.8	32.0	23.3	55.2	28.9	46.3	18.8	24.3	28.5	28.8	28.9	19.1	25.9	27.6	30.1

Travel Time - Buses	5 to 6 PM									6 to 7 PM								
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	9.4	10.2	10.9	10.9	11.1	9.4	17.5	10.3	16.0	8.9	12.2	12.9	12.4	11.8	8.8	12.0	11.6	14.8
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	12.2	10.5	15.0	16.1	11.7	14.1	29.6	17.3	23.4	11.4	14.1	-	-	12.5	11.2	26.1	12.5	15.5
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	29.7	21.3	21.2	24.1	-	23.0	41.6	-	27.9	27.2	21.9	-	-	23.0	-	40.4	-	-
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	30.5	21.7	21.4	21.6	21.4	20.0	38.7	21.3	25.0	25.6	21.0	22.0	22.0	22.1	19.5	34.6	21.3	22.2
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	46.3	34.8	37.6	33.2	34.3	44.1	-	30.8	59.7	41.4	31.1	38.9	39.1	36.2	41.9	-	33.2	46.4
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	23.6	20.7	20.9	21.9	21.7	17.2	32.6	20.1	26.6	19.4	19.0	-	-	-	15.7	-	-	-

Bus Travel Time Savings	5 to 6 PM									6 to 7 PM								
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.1	4.1	5.5	6.0	4.8	1.5	6.1	5.4	3.7	-0.6	2.2	2.4	1.9	3.6	-0.1	0.8	3.9	-0.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-0.1	8.2	5.2	3.5	6.5	-0.5	11.0	1.0	9.6	-0.3	2.8	-	-	5.9	0.3	4.3	5.7	3.6
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-2.0	13.1	13.5	13.0	-	10.7	30.1	-	21.0	-2.0	9.5	-	-	8.7	-	2.4	-	-
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-1.7	12.1	14.5	15.2	14.2	12.5	24.6	12.4	23.0	-0.8	8.2	8.5	8.4	9.1	6.5	-0.2	9.3	10.1
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	-1.9	10.2	10.1	13.5	14.2	6.3	-	12.3	7.9	-3.5	6.0	1.9	1.8	4.8	0.2	-	5.4	-0.1
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-1.2	8.3	9.5	9.8	10.3	6.2	22.6	8.8	19.7	-0.6	5.2	-	-	-	3.3	-	-	-



**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.0	6.9	7.7	7.7	7.8	7.7	7.8	7.7	7.2	7.8	7.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	18.3	12.0	10.9	12.4	11.6	15.1	28.6	12.1	12.5	23.1	11.4	11.0	11.6	11.1	16.4	32.8	11.7	12.0
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	22.2	15.9	14.6	16.4	15.2	19.1	32.2	15.8	16.6	26.4	15.0	15.1	15.4	14.8	20.3	37.7	15.3	15.6
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	26.1	19.9	18.6	20.2	19.3	23.0	35.7	20.0	20.1	30.4	19.4	18.7	19.5	18.9	23.9	41.3	19.3	19.8
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	29.2	18.7	17.6	19.0	18.3	27.0	65.9	18.8	19.0	34.4	18.5	17.9	18.5	18.0	26.5	73.0	18.7	19.0

Travel Time - Buses	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.6	7.6	7.7	7.5	7.5	7.4	8.2	7.6	7.5	7.5	7.6	7.6	7.5	7.6	7.5	7.9	7.6	7.6
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	18.1	12.3	11.2	12.0	11.7	14.5	29.5	12.2	12.4	22.6	10.9	11.3	11.2	10.9	14.7	32.2	12.3	11.3
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	23.0	-	15.4	-	-	18.8	33.5	-	16.1	-	16.0	-	-	14.7	-	39.0	-	16.6
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	25.1	20.6	20.0	20.5	20.2	22.7	35.4	20.6	20.7	30.5	20.3	20.0	20.8	20.1	23.1	40.4	20.4	20.6
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	31.2	18.3	18.3	18.4	18.2	18.7	30.8	18.4	18.4	35.9	18.3	18.5	18.5	18.4	18.8	34.2	18.4	18.4

Bus Travel Time Savings	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.7	-0.7	-0.8	-0.6	-0.7	-0.5	-1.2	-0.6	-0.6	0.1	0.1	0.2	0.1	0.2	0.2	-0.7	0.2	0.1
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	0.2	-0.3	-0.4	0.4	-0.1	0.7	-0.9	-0.1	0.1	0.5	0.5	-0.3	0.4	0.1	1.7	0.6	-0.6	0.7
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-0.9	-	-0.8	-	-	0.3	-1.3	-	0.4	-	-1.0	-	-	0.1	-	-1.4	-	-1.0
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	1.0	-0.7	-1.3	-0.3	-0.9	0.3	0.2	-0.5	-0.6	-0.1	-1.0	-1.3	-1.3	-1.2	0.9	0.9	-1.1	-0.8
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	-2.0	0.4	-0.8	0.7	0.1	8.3	35.1	0.4	0.7	-1.5	0.2	-0.6	0.0	-0.3	7.6	38.8	0.4	0.7

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	8.0	7.7	7.7	7.8	7.9	7.6	7.1	8.1	8.1	7.0	7.0	7.1	7.0	7.0	7.0	7.0	7.4	7.4
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	24.1	11.0	10.8	11.1	10.9	16.0	28.4	12.0	11.4	23.8	12.6	11.5	12.5	11.8	16.1	29.1	14.2	13.0
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	27.8	14.9	14.5	15.0	14.8	20.0	31.9	16.1	15.2	27.1	16.3	15.3	16.1	15.4	19.9	32.8	18.4	16.9
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	31.7	18.9	18.5	18.9	18.7	24.0	36.2	20.2	19.1	31.3	20.1	19.2	20.1	19.5	23.9	36.3	21.8	20.8
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	30.3	17.8	17.6	17.9	17.6	26.5	50.1	19.3	18.1	30.5	19.2	18.1	18.7	18.4	28.0	28.3	20.9	19.6

Travel Time - Buses	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.8	7.7	7.7	7.8	7.8	7.8	7.7	7.9	7.8	7.5	7.5	7.6	7.6	7.5	7.5	7.9	7.5	7.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	25.3	11.0	11.2	11.1	11.2	14.7	26.1	11.9	11.4	26.5	12.7	11.6	12.6	11.8	14.7	26.5	13.9	13.3
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-	16.4	15.4	-	-	19.4	25.8	13.8	16.1	-	16.5	-	-	15.0	18.1	-	-	-
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	34.6	19.9	19.7	20.0	19.9	22.7	34.9	20.7	20.1	34.5	20.4	19.9	20.4	19.9	23.5	34.6	21.2	20.9
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	30.6	18.2	17.9	18.0	18.0	18.4	27.2	18.4	18.1	30.1	18.3	18.2	18.3	18.3	18.3	26.6	18.7	18.5

Bus Travel Time Savings	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	0.2	0.0	0.1	-0.1	0.1	-0.2	-0.7	0.2	0.2	-0.5	-0.5	-0.5	-0.6	-0.5	-0.4	-0.8	-0.1	-0.3
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-1.2	0.0	-0.4	0.0	-0.3	1.3	2.4	0.2	0.0	-2.7	-0.1	-0.1	-0.1	0.0	1.4	2.5	0.3	-0.3
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-	-1.5	-0.8	-	-	0.5	6.2	2.3	-0.9	-	-0.2	-	-	0.3	1.8	-	-	-
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-2.9	-1.0	-1.2	-1.1	-1.1	1.2	1.3	-0.5	-1.0	-3.2	-0.3	-0.7	-0.3	-0.4	0.3	1.7	0.6	-0.1
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	-0.3	-0.3	-0.3	-0.1	-0.4	8.1	22.9	0.9	0.0	0.4	0.9	-0.2	0.4	0.0	9.8	1.7	2.2	1.2

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	6.6	6.5	6.5	6.5	6.5	6.5	6.9	6.5	6.5	6.6	6.6	6.5	6.5	6.5	6.5	6.9	6.5	6.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.6	9.6	11.4	10.6	10.3	10.2	9.9	11.5	11.4	10.0	9.8
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	14.0	13.6	13.6	13.6	13.8	13.7	13.8	13.7	13.8	15.4	14.7	14.3	14.2	13.9	15.2	15.3	14.0	13.9
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	17.2	17.2	17.2	17.2	17.2	17.2	17.3	17.2	17.2	19.1	18.2	17.8	17.9	17.5	18.9	19.0	17.6	17.4
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	17.2	17.2	17.3	17.3	17.7	17.1	18.2	18.0	17.5	23.2	23.9	23.1	21.6	22.5	22.4	36.0	23.6	22.5

Travel Time - Buses	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.4	7.4	7.3	7.5	7.4	7.6	8.4	7.4	7.4	7.5	7.4	7.3	7.5	7.4	7.5	8.5	7.2	7.4
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	10.8	10.8	10.8	10.8	10.7	10.7	10.8	10.9	10.8	12.4	11.5	11.4	11.4	11.0	12.4	11.4	11.2	11.0
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	15.0	14.8	14.8	14.8	14.9	14.7	14.8	15.3	15.0	16.7	15.8	15.7	15.6	15.1	16.5	15.5	15.5	15.1
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	19.2	19.2	19.0	19.2	19.7	19.5	19.2	19.5	19.1	20.8	19.9	19.9	19.9	19.7	20.8	19.6	19.7	19.7
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	18.8	18.2	18.1	18.2	18.4	18.3	21.9	18.1	18.2	22.7	19.5	19.0	19.0	19.0	18.6	22.1	19.2	19.2

Bus Travel Time Savings	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.9	-0.9	-0.8	-1.0	-1.0	-1.1	-1.5	-0.9	-0.9	-0.9	-0.8	-0.8	-0.9	-0.9	-1.0	-1.5	-0.7	-0.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-1.2	-1.2	-1.2	-1.2	-1.0	-1.1	-1.1	-1.3	-1.2	-0.9	-0.9	-1.1	-1.1	-1.1	-0.9	0.0	-1.2	-1.2
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-1.0	-1.2	-1.2	-1.2	-1.2	-1.0	-1.1	-1.6	-1.2	-1.3	-1.1	-1.3	-1.4	-1.2	-1.4	-0.2	-1.5	-1.2
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-2.1	-2.0	-1.8	-2.0	-2.5	-2.2	-1.9	-2.3	-2.0	-1.7	-1.8	-2.1	-2.0	-2.2	-1.9	-0.6	-2.1	-2.3
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	-1.6	-1.0	-0.8	-0.8	-0.6	-1.2	16.3	-0.1	-0.7	0.5	4.3	4.1	2.6	3.5	3.7	14.0	4.4	3.3

**Bus Travel Time Comparison – Opening Year 2029**

Travel Time - All Vehicles	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	
I-80/WB W Capitol Ave On to Mace Blvd Off	7.0	6.9	6.7	6.9	6.7	6.6	6.9	6.7	7.2	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.8	6.4	6.5
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	13.0	12.5	11.3	12.5	12.1	12.1	14.0	12.0	12.4	9.8	9.7	9.5	9.6	9.6	9.6	10.5	9.6	9.7	
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	16.9	16.3	15.1	16.3	16.1	15.9	17.5	15.6	16.3	14.7	14.3	13.9	14.0	14.1	14.2	14.8	14.1	14.2	
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	20.5	20.1	18.8	19.9	19.7	19.6	21.6	19.6	19.9	17.3	17.4	17.1	17.2	17.2	17.1	18.2	17.2	17.2	
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	22.9	24.6	24.8	22.9	24.7	25.0	39.8	24.5	23.5	21.0	21.7	22.2	20.1	22.4	22.4	23.3	21.3	22.0	

Travel Time - Buses	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.5	7.5	7.5	7.6	7.5	7.4	8.1	7.6	7.6	7.5	7.4	7.3	7.4	7.4	7.3	7.9	7.3	7.5
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	14.9	13.8	12.8	13.8	13.7	13.2	13.2	13.6	13.7	11.0	10.9	10.9	10.9	10.8	10.9	10.9	11.0	11.0
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	18.1	17.3	16.5	17.5	17.4	17.0	17.4	17.1	17.4	15.7	15.6	15.3	15.6	15.4	15.4	15.5	15.5	15.4
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	22.6	21.2	20.5	21.4	21.2	21.8	21.0	21.2	21.9	20.2	20.1	19.3	19.7	19.6	19.9	19.7	19.7	20.0
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	21.5	19.9	19.5	19.2	19.4	19.4	23.4	19.1	19.4	20.9	19.3	19.4	18.8	19.6	18.4	22.6	19.2	19.8

Bus Travel Time Savings	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.5	-0.6	-0.8	-0.7	-0.8	-0.8	-1.3	-0.9	-0.4	-1.1	-1.0	-0.9	-1.1	-1.0	-0.9	-1.1	-0.9	-1.0
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-2.0	-1.3	-1.6	-1.3	-1.6	-1.1	0.8	-1.6	-1.3	-1.2	-1.2	-1.4	-1.3	-1.2	-1.3	-0.4	-1.4	-1.3
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-1.2	-1.0	-1.4	-1.2	-1.3	-1.1	0.1	-1.5	-1.1	-1.0	-1.4	-1.4	-1.5	-1.3	-1.2	-0.7	-1.4	-1.2
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-2.1	-1.1	-1.7	-1.5	-1.5	-2.2	0.6	-1.7	-1.9	-2.9	-2.8	-2.2	-2.6	-2.4	-2.9	-1.5	-2.5	-2.8
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	1.5	4.7	5.4	3.7	5.2	5.6	16.4	5.4	4.1	0.1	2.4	2.8	1.3	2.8	4.0	0.7	2.2	2.2

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	6.8	6.7	6.7	6.8	6.7	6.8	7.0	6.7	6.8	11.3	9.2	9.9	9.9	10.6	7.6	7.7	9.4	8.8
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.4	9.5	9.5	9.5	9.4	9.5	9.7	9.5	9.5	15.0	12.0	12.6	12.7	12.6	10.4	14.5	12.1	11.7
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	12.9	13.1	13.1	13.1	13.1	13.2	13.4	13.1	13.2	16.3	14.5	14.5	14.6	14.5	14.9	26.8	14.6	14.5
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	16.3	15.8	15.8	15.8	15.8	16.1	16.0	15.8	15.8	21.7	16.7	16.8	16.9	16.4	17.2	29.3	16.7	16.4
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	17.4	17.3	17.3	17.3	17.2	17.4	17.7	17.4	17.4	21.4	17.6	17.7	17.7	17.6	18.0	31.2	17.6	17.6
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.4	9.5	9.5	9.5	9.5	9.5	9.7	9.5	9.5	11.0	11.7	11.7	11.7	11.7	12.0	17.6	11.8	11.7

Travel Time - Buses	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	6.9	7.3	7.2	7.2	7.2	7.4	7.6	7.2	7.3	7.5	7.7	7.8	7.2	7.0	7.2	7.4	7.7	7.3
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.6	10.0	10.0	10.0	10.1	10.0	10.2	10.0	10.0	12.8	11.2	11.4	11.6	11.8	9.9	11.9	11.1	10.8
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	13.2	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16.0	14.5	14.6	14.5	14.4	14.5	18.1	14.7	14.5
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	16.7	16.4	16.2	16.4	16.6	16.2	16.1	16.3	16.3	21.0	16.3	16.2	16.3	16.3	16.2	17.8	16.2	16.3
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	17.7	17.6	17.6	17.6	17.4	17.6	17.7	17.6	17.6	21.3	17.8	17.8	17.9	17.8	17.7	21.5	17.8	17.8
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	9.7	10.0	9.9	9.9	10.1	9.9	10.1	10.0	9.9	11.1	11.3	11.2	11.2	11.2	11.2	14.7	11.2	11.0

Bus Travel Time Savings	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	-0.1	-0.6	-0.5	-0.5	-0.5	-0.6	-0.7	-0.5	-0.5	3.7	1.5	2.1	2.7	3.6	0.5	0.3	1.7	1.5
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	-0.2	-0.5	-0.5	-0.5	-0.7	-0.5	-0.5	-0.5	-0.5	2.2	0.8	1.2	1.1	0.8	0.4	2.6	1.0	0.9
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.3	-0.4	-0.4	-0.3	-0.3	-0.2	-0.1	-0.4	-0.3	0.2	0.1	0.0	0.1	0.2	0.4	8.7	-0.1	0.0
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	-0.4	-0.5	-0.5	-0.6	-0.8	-0.2	-0.1	-0.5	-0.5	0.7	0.4	0.6	0.6	0.1	1.0	11.4	0.5	0.2
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	0.0	-0.3	-0.3	0.1	-0.1	-0.2	-0.3	-0.1	0.3	9.8	-0.2	-0.2
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-0.3	-0.5	-0.4	-0.4	-0.6	-0.4	-0.3	-0.5	-0.5	-0.1	0.5	0.5	0.5	0.5	0.8	2.9	0.7	0.6

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	14.5	11.3	11.9	11.7	12.0	9.5	14.7	11.7	10.9	13.6	9.4	10.2	10.3	11.2	7.1	23.1	9.7	8.3
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	20.0	14.1	14.3	14.8	14.4	12.0	30.9	14.2	13.4	26.5	12.2	13.0	12.9	14.0	10.0	29.6	12.5	11.3
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	23.0	14.8	14.6	15.1	14.7	14.9	47.3	14.8	14.6	25.5	13.5	13.7	13.6	13.7	13.6	30.6	13.9	13.9
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	28.2	18.3	18.6	18.7	18.5	18.8	45.9	18.6	18.3	30.0	18.1	19.4	18.9	17.3	19.8	27.5	19.1	19.4
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	27.6	17.6	17.5	17.8	17.5	17.9	54.9	17.6	17.6	30.1	17.3	17.5	17.5	17.3	17.7	36.3	17.4	17.6
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	14.4	11.8	11.8	12.3	11.9	12.4	35.1	11.8	11.7	17.6	11.4	11.5	11.5	11.5	11.8	31.1	11.6	11.6

Travel Time - Buses	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	12.4	10.0	10.7	10.9	11.5	8.1	7.8	10.2	9.0	13.1	9.8	9.8	10.3	10.6	8.3	15.2	9.9	9.4
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	19.1	13.3	13.7	14.1	13.6	10.9	15.8	13.3	12.5	24.4	11.3	11.9	11.8	12.9	10.3	22.7	11.5	11.1
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	23.8	15.0	14.9	15.2	14.9	14.6	27.2	15.0	14.8	27.8	13.9	14.4	14.0	14.0	13.9	31.5	14.4	14.4
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	28.3	16.6	16.5	16.6	16.5	16.5	24.9	16.5	16.5	31.0	16.5	16.7	16.6	16.4	16.3	26.9	16.8	16.8
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	29.7	17.9	17.7	18.0	17.7	17.8	34.5	17.8	17.9	32.3	17.7	17.8	17.7	17.5	17.9	37.0	17.8	18.0
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	14.8	11.1	11.0	11.9	10.6	11.3	17.2	10.9	11.2	24.1	10.8	11.0	11.1	11.0	11.1	24.8	11.0	11.5

Bus Travel Time Savings	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	2.0	1.3	1.2	0.8	0.5	1.4	6.8	1.4	1.9	0.5	-0.4	0.4	0.0	0.6	-1.2	7.9	-0.3	-1.1
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	0.9	0.8	0.7	0.7	0.8	1.1	15.1	0.9	0.9	2.1	0.9	1.1	1.1	1.1	-0.3	7.0	1.0	0.2
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.8	-0.2	-0.3	-0.1	-0.2	0.3	20.1	-0.2	-0.2	-2.3	-0.4	-0.7	-0.4	-0.3	-0.3	-0.9	-0.5	-0.5
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	-0.1	1.7	2.1	2.1	1.9	2.4	21.0	2.0	1.8	-1.0	1.6	2.7	2.3	0.9	3.4	0.6	2.3	2.6
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-2.2	-0.3	-0.2	-0.2	-0.2	0.2	20.4	-0.3	-0.3	-2.2	-0.4	-0.3	-0.2	-0.2	-0.2	-0.7	-0.4	-0.4
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-0.4	0.7	0.7	0.4	1.3	1.2	17.9	0.9	0.6	-6.4	0.6	0.5	0.4	0.5	0.7	6.3	0.6	0.1

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	3 to 4 PM		3 to 4 PM		3 to 4 PM		3 to 4 PM		3 to 4 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM	
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9		
I-80/NB Mace Blvd On to Enterprise Blvd Off	17.0	11.3	12.3	13.6	21.4	18.7	38.2	13.4	12.4	23.7	19.0	23.4	22.1	23.1	21.0	37.0	20.2	19.2		
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	37.9	25.0	26.0	26.8	34.4	35.5	59.8	25.0	26.4	44.6	30.3	33.6	31.8	34.5	34.9	57.5	31.8	31.4		
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	65.7	33.9	36.0	34.8	47.8	62.2	112.8	35.4	34.2	71.2	46.9	52.1	43.3	52.0	63.8	108.5	50.0	47.6		
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	62.8	40.9	43.2	40.1	52.5	63.6	110.3	43.2	42.4	68.3	49.7	53.2	48.0	52.9	62.6	92.9	52.2	49.9		
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	104.4	39.3	40.4	39.7	53.1	84.3	148.3	41.9	40.2	113.8	55.7	64.8	52.4	71.1	101.3	-	63.7	58.9		
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	49.3	32.4	36.4	35.6	48.7	45.2	85.8	37.9	36.7	56.8	42.0	46.9	44.4	44.3	49.2	85.8	45.4	42.5		

Travel Time - Buses	3 to 4 PM		3 to 4 PM		3 to 4 PM		3 to 4 PM		3 to 4 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM	
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9		
I-80/NB Mace Blvd On to Enterprise Blvd Off	14.4	8.0	8.5	7.8	10.4	9.3	15.0	8.6	8.7	25.7	12.2	14.9	15.0	20.0	15.7	31.4	14.6	14.2		
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	40.4	22.9	20.2	25.1	19.5	-	45.4	-	24.7	58.5	-	23.7	25.4	22.6	25.3	39.3	23.2	-		
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	68.6	25.6	-	19.2	-	30.7	52.1	21.6	21.9	66.3	33.0	32.4	25.3	32.7	35.0	77.1	-	32.4		
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	67.5	20.3	20.6	19.2	20.3	21.1	44.3	20.2	20.7	81.0	25.2	25.3	23.6	27.0	25.9	77.0	25.0	25.4		
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	104.6	28.1	27.8	28.0	29.2	54.7	72.5	27.8	28.0	111.7	40.2	42.8	32.7	56.7	79.0	-	48.0	40.5		
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	59.5	20.4	18.8	16.1	-	17.9	-	-	-	70.1	25.7	23.7	22.5	27.4	22.8	47.9	24.4	23.3		

Bus Travel Time Savings	3 to 4 PM		3 to 4 PM		3 to 4 PM		3 to 4 PM		3 to 4 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM		4 to 5 PM	
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9		
I-80/NB Mace Blvd On to Enterprise Blvd Off	2.7	3.2	3.9	5.8	11.0	9.4	23.2	4.8	3.7	-1.9	6.8	8.4	7.1	3.0	5.2	5.6	5.7	4.9		
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	-2.5	2.1	5.8	1.7	14.9	-	14.3	-	1.7	-13.8	-	9.9	6.4	11.9	9.6	18.2	8.6	-		
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-3.0	8.4	-	15.6	-	31.5	60.7	13.9	12.3	4.9	13.8	19.7	18.0	19.4	28.8	31.3	-	15.3		
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	-4.8	20.6	22.6	20.9	32.3	42.6	66.0	23.0	21.7	-12.7	24.6	27.9	24.4	25.9	36.7	15.9	27.2	24.5		
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-0.2	11.2	12.7	11.7	24.0	29.6	75.8	14.0	12.2	2.1	15.5	22.0	19.7	14.4	22.2	-	15.6	18.4		
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-10.2	12.0	17.5	19.5	-	27.3	-	-	-	-13.4	16.3	23.2	21.9	16.9	26.4	37.9	21.0	19.2		

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	20.1	17.6	23.2	17.9	14.9	14.7	32.8	19.5	17.8	11.9	12.7	15.1	14.3	11.2	10.3	29.6	11.8	10.8
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	32.5	23.1	27.0	21.7	22.4	23.1	55.9	24.5	23.0	20.2	14.8	17.2	17.5	16.1	13.8	32.3	14.5	13.7
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	53.1	37.7	44.3	39.0	37.0	44.6	61.4	40.5	37.8	39.6	28.9	33.3	32.4	31.9	33.5	53.3	30.0	28.5
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	52.7	37.5	42.7	38.4	37.0	43.5	58.8	39.7	37.5	38.9	28.3	30.3	30.6	30.3	31.6	50.9	27.9	26.5
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	81.1	63.2	77.3	61.2	59.4	69.7	-	70.7	64.6	-	44.4	48.9	46.2	46.3	51.8	-	47.1	46.0
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	43.9	34.6	39.3	34.3	31.4	33.5	59.4	35.5	33.3	30.7	24.1	26.5	28.0	26.9	22.6	29.2	24.0	23.3

Travel Time - Buses	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	22.9	13.3	17.0	14.5	12.8	11.3	23.7	14.7	13.2	15.3	10.5	13.2	11.1	9.8	9.4	22.9	11.2	10.8
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	36.0	21.9	18.8	14.9	21.5	17.4	34.1	-	27.6	17.9	12.0	-	-	12.1	-	35.8	12.3	11.9
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	49.3	23.4	29.3	21.4	27.4	24.9	70.0	25.9	24.7	39.9	21.3	22.1	-	26.5	23.9	-	21.8	-
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	58.7	24.5	26.0	23.7	22.6	22.7	61.8	24.0	24.1	42.4	21.3	22.6	21.5	20.9	20.6	53.2	21.8	21.2
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	83.5	54.6	71.7	50.7	53.4	60.7	-	59.7	51.9	-	45.5	51.4	45.1	42.8	47.0	-	49.3	44.9
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	45.9	27.2	27.8	24.0	20.5	19.5	38.6	25.6	27.2	27.2	19.6	20.6	21.3	19.2	17.3	-	-	19.7

Bus Travel Time Savings	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/NB Mace Blvd On to Enterprise Blvd Off	-2.8	4.2	6.2	3.4	2.0	3.5	9.2	4.8	4.7	-3.4	2.2	1.9	3.3	1.4	0.9	6.7	0.6	0.0
I-80/NB Mace Blvd On to US 50/Tower Bridge Gateway Off	-3.5	1.1	8.2	6.7	0.9	5.7	21.8	-	-4.6	2.3	2.8	-	-	4.1	-	-3.5	2.2	1.7
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	3.8	14.3	15.0	17.6	9.5	19.7	-8.7	14.6	13.0	-0.3	7.5	11.2	-	5.5	9.7	-	8.1	-
I-80/Old Davis Rd On to US 50 at SR 51/SR 99	-6.0	12.9	16.7	14.7	14.4	20.9	-2.9	15.8	13.4	-3.5	7.0	7.7	9.2	9.3	11.0	-2.3	6.0	5.3
I-80/SR 113 On to US 50/Tower Bridge Gateway Off	-2.4	8.6	5.6	10.6	6.0	9.0	-	10.9	12.7	-	-1.2	-2.5	1.1	3.5	4.8	-	-2.2	1.1
I-80/SB Mace Blvd On to US 50/Tower Bridge Gateway Off	-2.0	7.4	11.5	10.3	10.8	14.0	20.7	9.9	6.1	3.5	4.5	5.9	6.7	7.8	5.4	-	-	3.6



**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	6.9	6.9	6.9	6.8	6.9	6.9	7.0	7.1	6.9	7.2	7.0	7.2	7.2	7.2	7.1	7.1	7.3	7.2
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	21.1	11.3	11.2	13.9	11.9	15.5	26.6	11.7	11.6	23.8	11.5	11.3	14.5	11.7	17.6	30.4	11.7	11.7
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	24.6	15.0	14.7	17.7	15.7	19.3	30.7	15.1	15.6	27.6	15.3	15.0	18.4	15.6	21.4	33.7	15.4	15.5
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	28.7	19.1	19.1	21.8	19.8	23.3	34.8	19.5	19.4	31.7	19.3	19.0	22.4	19.6	25.3	38.2	19.5	19.5
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	39.3	18.3	18.5	22.0	19.1	30.6	59.3	18.7	18.6	44.7	18.9	18.8	22.4	19.3	32.1	64.4	19.1	18.7

Travel Time - Buses	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.6	7.7	7.5	7.5	7.5	7.6	7.9	7.7	7.5	7.7	7.5	7.6	7.6	7.7	7.5	7.9	7.6	7.5
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	20.5	11.5	11.4	13.0	11.8	14.8	25.7	11.3	11.6	23.6	11.4	11.3	14.1	11.8	15.6	30.4	11.7	11.6
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-	17.2	-	-	-	19.6	-	-	-	30.7	-	16.2	17.8	15.4	18.6	-	15.7	-
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	28.4	20.4	20.0	21.7	20.6	23.2	34.4	20.2	20.7	31.8	20.2	20.1	22.6	20.8	23.9	36.6	20.4	20.4
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	38.6	18.4	18.5	19.1	18.4	19.3	32.3	18.4	18.6	41.8	18.4	18.4	19.0	18.6	19.5	32.3	18.4	18.4

Bus Travel Time Savings	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	6 to 7 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM	7 to 8 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.7	-0.8	-0.7	-0.7	-0.7	-0.8	-0.9	-0.6	-0.6	-0.5	-0.5	-0.4	-0.4	-0.5	-0.4	-0.8	-0.3	-0.3
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	0.5	-0.2	-0.2	0.8	0.2	0.7	0.9	0.4	0.0	0.2	0.1	-0.1	0.4	-0.1	2.0	0.0	0.0	0.1
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-	-2.3	-	-	-	-0.3	-	-	-	-3.1	-	-1.2	0.6	0.2	2.8	-	-0.3	-
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	0.3	-1.3	-0.9	0.0	-0.8	0.1	0.4	-0.7	-1.3	-0.1	-0.9	-1.1	-0.2	-1.2	1.4	1.6	-0.9	-0.9
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	0.7	-0.1	0.0	2.9	0.7	11.3	27.0	0.3	0.0	2.9	0.5	0.4	3.4	0.7	12.6	32.1	0.7	0.4

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	6.9	6.9	7.1	7.0	7.1	6.9	7.0	6.9	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.0
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	25.0	10.8	10.7	12.4	10.8	15.8	26.0	10.0	10.9	24.9	12.8	12.6	13.9	13.0	16.3	27.3	11.9	13.5
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	28.6	14.6	14.6	16.3	14.6	19.6	30.2	13.7	14.8	28.7	16.6	16.2	17.2	16.6	19.9	30.7	15.4	17.2
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	32.5	18.6	18.5	20.2	18.7	23.8	33.7	17.9	18.7	32.2	20.2	20.1	21.1	20.4	24.1	34.6	19.4	20.7
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	36.2	18.3	18.4	19.9	18.4	27.8	45.1	18.1	18.3	32.5	19.8	19.6	21.0	19.7	27.2	27.3	19.1	20.1

Travel Time - Buses	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.7	7.7	7.7	7.7	7.7	7.6	7.7	7.7	7.6	7.6	7.7	7.5	7.4	7.6	7.5	8.0	7.4	7.5
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	25.0	11.1	11.3	11.9	11.2	14.2	24.9	11.1	11.4	26.7	13.0	12.6	14.5	13.0	15.3	25.0	12.2	14.1
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	28.6	15.3	-	-	14.1	19.1	-	15.1	-	36.1	20.1	-	-	17.0	-	-	16.2	14.4
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	33.9	19.9	20.2	21.4	20.4	24.3	34.7	20.2	20.0	33.8	20.9	20.6	21.0	20.8	23.4	32.6	20.4	21.1
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	33.9	18.0	18.2	18.2	18.2	19.2	25.0	17.9	18.1	30.3	18.4	18.5	18.7	18.5	18.9	25.1	18.3	18.7

Bus Travel Time Savings	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	8 to 9 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM	9 to 10 AM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.7	-0.8	-0.7	-0.7	-0.6	-0.6	-0.7	-0.8	-0.5	-0.6	-0.7	-0.5	-0.3	-0.6	-0.5	-0.9	-0.3	-0.5
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	0.0	-0.3	-0.5	0.5	-0.4	1.6	1.1	-1.1	-0.5	-1.7	-0.2	0.1	-0.6	0.0	1.0	2.2	-0.2	-0.6
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-0.1	-0.7	-	-	0.5	0.5	-	-1.4	-	-7.4	-3.6	-	-	-0.4	-	-	-0.8	2.7
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-1.5	-1.4	-1.7	-1.2	-1.7	-0.5	-1.0	-2.2	-1.3	-1.6	-0.7	-0.5	0.1	-0.5	0.8	2.0	-0.9	-0.4
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	2.4	0.2	0.1	1.7	0.2	8.6	20.1	0.2	0.3	2.2	1.4	1.0	2.3	1.2	8.3	2.2	0.8	1.4

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	6.6	6.5	6.5	6.5	6.5	6.6	7.1	6.5	6.6	6.7	6.7	6.6	6.5	6.5	6.6	6.9	6.6	6.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	10.4	9.8	9.8	9.5	9.7	9.8	9.8	9.7	14.1	13.1	11.3	11.2	10.0	9.7	11.4	10.8	12.1	16.8
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	14.8	14.2	14.0	14.6	13.9	14.1	14.4	14.0	18.3	17.1	15.3	15.4	14.3	13.8	15.4	14.7	16.0	20.3
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	17.9	17.3	17.3	17.1	17.3	17.3	17.4	17.3	21.6	20.6	19.0	18.7	17.7	17.3	19.0	18.4	19.8	24.3
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	20.5	19.2	19.9	17.9	18.2	18.8	32.7	17.9	21.5	21.9	23.0	22.4	23.7	22.6	21.4	39.4	22.8	25.7

Travel Time - Buses	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.5	7.5	7.4	7.9	7.5	7.6	8.8	7.4	7.4	7.5	7.3	7.4	7.1	7.4	7.4	8.2	7.4	7.4
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	11.8	11.0	10.9	10.6	10.8	10.8	10.8	11.0	15.7	13.9	12.1	12.3	11.0	10.9	12.1	11.1	13.1	17.6
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	15.9	15.3	15.0	15.2	15.0	14.9	15.0	15.3	19.2	18.4	16.4	16.5	15.7	15.1	16.8	15.4	17.4	21.8
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	20.0	19.8	19.2	19.2	19.5	19.4	19.2	19.4	23.0	21.8	20.5	20.6	19.7	19.7	20.6	19.5	22.4	25.6
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	21.1	18.5	18.5	18.0	18.5	18.4	20.8	18.2	18.7	20.5	19.5	18.9	18.9	18.6	18.4	22.2	19.0	19.7

Bus Travel Time Savings	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	3 to 4 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM	4 to 5 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.9	-0.9	-0.9	-1.4	-1.0	-1.0	-1.7	-0.9	-0.8	-0.7	-0.7	-0.8	-0.6	-0.9	-0.8	-1.2	-0.8	-0.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-1.5	-1.2	-1.1	-1.1	-1.1	-1.0	-1.0	-1.3	-1.5	-0.8	-0.8	-1.0	-1.0	-1.2	-0.6	-0.4	-1.0	-0.9
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-1.1	-1.1	-1.0	-0.6	-1.0	-0.8	-0.6	-1.2	-0.9	-1.2	-1.1	-1.1	-1.4	-1.3	-1.4	-0.6	-1.5	-1.4
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-2.2	-2.5	-1.9	-2.1	-2.3	-2.1	-1.8	-2.1	-1.4	-1.2	-1.5	-1.8	-2.0	-2.4	-1.6	-1.1	-2.6	-1.3
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	-0.6	0.7	1.4	-0.1	-0.3	0.4	11.9	-0.3	2.8	1.4	3.5	3.5	4.8	4.0	3.0	17.2	3.8	5.9

**Bus Travel Time Comparison – Horizon Year 2049**

Travel Time - All Vehicles	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	6.9	6.9	6.9	6.8	6.8	6.9	6.9	6.9	7.2	6.7	6.6	6.6	6.5	6.5	6.6	6.9	6.5	6.7
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	15.8	13.7	13.0	10.6	10.9	12.8	16.2	12.7	20.5	10.6	9.8	9.8	9.5	9.7	10.1	12.8	9.8	12.9
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	19.8	17.9	16.9	14.6	14.8	16.6	19.3	16.7	24.3	16.2	14.1	14.1	14.6	14.1	14.6	17.4	14.6	17.8
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	23.0	21.1	20.7	18.2	18.5	20.4	23.6	20.3	28.1	18.3	17.4	17.4	17.2	17.1	17.6	21.3	17.3	21.5
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	24.3	23.2	22.7	22.7	23.3	22.2	37.6	22.2	25.2	23.3	21.8	21.7	20.5	23.3	21.0	27.4	21.6	20.8

Travel Time - Buses	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	7.6	7.5	7.5	7.4	7.6	7.6	7.7	7.6	7.5	7.7	7.5	7.5	7.6	7.6	7.5	8.1	7.5	7.5
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	18.4	14.4	14.1	12.0	12.0	12.8	14.2	14.2	21.3	11.7	10.9	10.9	10.7	10.8	10.9	12.6	11.1	13.5
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	21.8	18.2	18.1	16.0	15.8	16.5	18.4	17.8	25.4	17.2	15.3	15.3	15.4	14.9	15.3	17.2	15.4	18.3
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	25.9	22.7	22.2	20.1	20.2	21.1	21.0	22.5	29.0	21.3	19.9	19.4	19.5	19.4	19.7	22.1	19.8	23.2
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	22.8	19.0	18.7	19.2	19.2	18.9	22.1	18.9	19.6	22.2	19.3	19.1	18.7	19.2	18.4	21.7	19.2	19.1

Bus Travel Time Savings	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	5 to 6 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM	6 to 7 PM
Path	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
I-80/WB W Capitol Ave On to Mace Blvd Off	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.8	-0.7	-0.4	-1.0	-0.9	-1.0	-1.1	-1.1	-0.9	-1.3	-1.0	-0.8
US 50/Tower Bridge Gateway On to I-80/Mace Blvd Off	-2.7	-0.7	-1.1	-1.4	-1.0	0.0	2.0	-1.5	-0.9	-1.1	-1.1	-1.1	-1.2	-1.2	-0.8	0.2	-1.3	-0.5
US 50/Tower Bridge Gateway On to I-80/Old Davis Rd Off	-2.0	-0.3	-1.2	-1.3	-1.0	0.1	0.9	-1.1	-1.1	-1.0	-1.2	-1.2	-0.8	-0.8	-0.7	0.2	-0.8	-0.5
US 50/Tower Bridge Gateway On to I-80 at Pedrick Rd	-2.9	-1.6	-1.5	-1.8	-1.7	-0.8	2.5	-2.2	-0.9	-3.0	-2.5	-2.1	-2.3	-2.3	-2.1	-0.7	-2.5	-1.8
US 50 at Stockton Blvd to I-80/Old Davis Rd Off	1.5	4.2	4.0	3.6	4.1	3.4	15.5	3.3	5.5	1.0	2.5	2.6	1.8	4.1	2.5	5.7	2.5	1.7

# **Appendix L:**

## **Ramp Meter Storage**

# Ramp Storage

## Alt. 2

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,130	-	5,000	-	1,147	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	474	166	775	525	962	337	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	580	-	650	-	589	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	490	-	900	-	497	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	220	-	1,300	-	447	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,090	-	1,600	-	1,106	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual

## Alt. 3

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,150	-	5,000	-	1,167	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	481	169	775	525	976	343	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	580	-	650	-	589	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	490	-	900	-	497	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	220	-	1,300	-	447	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,060	-	1,600	-	1,076	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual

# Ramp Storage

## Alt. 4

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,100	-	5,000	-	1,117	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	459	161	775	525	932	327	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	540	-	650	-	548	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	470	-	900	-	477	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	240	-	1,300	-	487	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,080	-	1,600	-	1,096	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual

## Alt. 5

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,060	-	5,000	-	1,076	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	459	161	775	525	932	327	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	500	-	650	-	508	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	470	-	900	-	477	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	200	-	1,300	-	406	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,080	-	1,600	-	1,096	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual

# Ramp Storage

## Alt. 6

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	990	-	5,000	-	1,005	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	429	151	775	525	871	307	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	440	-	650	-	447	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	490	-	900	-	497	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	240	-	1,300	-	487	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,320	-	1,600	-	1,340	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual

## Alt. 7

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,030	-	5,000	-	1,045	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	422	148	775	525	857	300	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	430	-	650	-	436	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	490	-	900	-	497	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	200	-	1,300	-	406	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,480	-	1,600	-	1,502	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual



# Ramp Storage

## Alt. 8

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,170	-	5,000	-	1,188	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	474	166	775	525	962	337	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	600	-	650	-	609	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	500	-	900	-	508	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	230	-	1,300	-	467	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,090	-	1,600	-	1,106	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual

## Alt. 9

						Lane Configuration	Lane Configuration		Peak Hour Demand (Vehicles)	Peak Hour Demand (Vehicles)	Proposed Storage Length (ft/lane)	Proposed Storage Length (ft/lane)	Required Minimum Storage Length (ft/lane)*	Required Minimum Storage Length (ft/lane)*	Enough Storage?	Enough Storage?
Route	Direction	Name	Type	PM	County	Mixed Flow (MF)	HOV	Metered Lanes	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV	Mixed Flow (MF)	HOV
I-80	EB	SR 113	Connector	43.411	SOL	2	-	2	1,120	-	5,000	-	1,137	-	Yes	-
I-80	EB	Old Davis Rd	Slip	43.805	SOL	1	1	2	474	166	775	525	962	337	No	Yes
I-80	EB	Richards Blvd	Slip	0.432	YOL	2	-	2	590	-	650	-	599	-	Yes	-
I-80	WB	Chiles Rd/County Road 32A	Hook	5.479	YOL	1	-	1	40	-	775	-	81	-	Yes	-
I-80	WB	Mace Blvd	Slip	2.435	YOL	2	-	2	490	-	900	-	497	-	Yes	-
I-80	WB	Old Davis Rd	Slip	43.194	SOL	1	-	1	230	-	1,300	-	467	-	Yes	-
I-80	WB	SR 113	Connector	42.489	SOL	2	-	2	1,080	-	1,600	-	1,096	-	Yes	-

\* Per Caltrans Ramp Metering Design Manual