

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

CONTRACT NO: 202053434 PROJECT NAME: I-25 & Broadway Interchange Reconstruction Segment 3, Phase 1 - Broadway and Exposition Improvements
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ADDENDUM NO. 2 TO CONTRACT DOCUMENTS

Bidders are hereby instructed that the drawings, specifications, and other contract documents are modified, corrected, supplemented and/or superseded for the above-mentioned project as hereinafter described in the following attachments:

BID DOCUMENTS

- **Remove and replace page BF-6.1 through BF-6.23 with new BF-6.1 through BF-6.23.**

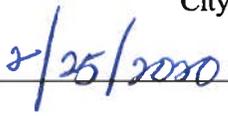
QUESTIONS AND ANSWERS:

- Q1. Can you tell me what the warranty (if any) is on the I-25 & Broadway Interchange Reconstruction project?
A1. **Refer to SC-11 and SC-21 within the Bid Document Package and section 1801 of the City's General Contract Conditions.**
- Q2. What's the estimated start date?
A2. **It is estimated that NTP will be issued in mid-June 2020.**
- Q3. Can the broken concrete, broken asphalt, and excess dirt (including solid and hazardous waste) be taken to DADS at no fee?
A3. **Refer to SC-12 and SC-22 within the Bid Document Package.**
- Q4. Will there be a fee for ROW and Street Occupancy Permits?
A4. **The fee is waived on City Capital Improvement Projects.**
- Q5. Can you add a bid item for the High Early 10.5" concrete?
A5. **Item 412-01060 Concrete Pavement (Fast Track) has been added. Refer to the attached plan sheets within the addendum for additional information and locations.**
- Q6. Will testing be provided by the City?
A6. **The City will provide Quality Assurance Testing as defined on the CDOT Form 250. The Contractor is responsible for Quality Control and Process Control Testing. The Contractor is also responsible for all tests required for soil imported into the project.**
- Q7. Re: bid Item 502-01100 RETAPPING (2 Ea.) - Is there a specification and detail on this? I cannot find section 502-01100 in Denver standard Technical specifications or CDOT Standards.
A7. **This bid item is deleted. Refer to the updated Summary of Approximate Quantities sheet attached to this addendum.**
- Q8. It looks like the storm pipe quantities do not match the bid schedule quantities; too high on the 12" RCP and not enough on the 18" RCP?
A8. **The 12-inch RCP project total has been reduced to 35 LF from the 70 LF shown. The 18-Inch RCP quantities are correct. Refer to the updated Summary of Approximate Quantities sheet attached to this addendum.**

This **ADDENDUM** shall be attached to, become a part of, and be returned with the Bid Proposal.



Lesley B. Thomas
City Engineer



Date

The undersigned bidder acknowledges receipt of this Addendum. The Proposal submitted herewith is in accordance with the stipulations set forth herein.

Contractor

ADDENDUM NO. 2

Date

Item No.	Description and Price	Estimated Quantity	Estimated Cost
201-00000	CLEARING AND GRUBBING at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
202-00000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
202-00010	REMOVAL OF TREE at the unit price of \$ _____ per EACH	33 EA	\$ _____
202-00019	REMOVAL OF INLET at the unit price of \$ _____ per EACH	5 EA	\$ _____
202-00021	REMOVAL OF MANHOLE (WATER) at the unit price of \$ _____ per EACH	1 EA	\$ _____
202-00030	REMOVAL OF WATER METER at the unit price of \$ _____ per EACH	3 EA	\$ _____
202-00033	REMOVAL OF PIPE at the unit price of \$ _____ per EACH	2 EA	\$ _____
202-00039	REMOVAL OF BOLLARD at the unit price of \$ _____ per EACH	9 EA	\$ _____
202-00156	REMOVAL OF LANDSCAPE WALL at the unit price of \$ _____ per LINEAR FOOT	60 LF	\$ _____
202-00195	REMOVAL OF MEDIAN COVER at the unit price of \$ _____ per SQUARE YARD	16 SY	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
202-00200	REMOVAL OF SIDEWALK at the unit price of \$ _____ per SQUARE YARD	1,282 SY	\$ _____
202-00201	REMOVAL OF CURB at the unit price of \$ _____ per LINEAR FOOT	200 LF	\$ _____
202-00202	REMOVAL OF GUTTER at the unit price of \$ _____ per LINEAR FOOT	24 LF	\$ _____
202-00203	REMOVAL OF CURB AND GUTTER at the unit price of \$ _____ per LINEAR FOOT	910 LF	\$ _____
202-00208	REMOVAL OF CURB (SPECIAL) (GRANITE/BRICK) at the unit price of \$ _____ per LINEAR FOOT	491 LF	\$ _____
202-00210	REMOVAL OF CONCRETE PAVEMENT at the unit price of \$ _____ per SQUARE YARD	1,790 SY	\$ _____
202-00220	REMOVAL OF ASPHALT MAT at the unit price of \$ _____ per SQUARE YARD	5,359 SY	\$ _____
202-00240	REMOVAL OF ASPHALT MAT (PLANING) at the unit price of \$ _____ per SQUARE YARD	63 SY	\$ _____
202-00250	REMOVAL OF PAVEMENT MARKING at the unit price of \$ _____ per SQUARE FOOT	2,800 SF	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
202-00700	REMOVAL OF LIGHT STANDARD at the unit price of \$ _____ per EACH	1 EA	\$ _____
202-00704	REMOVAL OF BILLBOARD at the unit price of \$ _____ per EACH	1 EA	\$ _____
202-00705	REMOVAL OF LIGHT STANDARD FOUNDATION at the unit price of \$ _____ per EACH	5 EA	\$ _____
202-00750	REMOVAL OF LUMINAIRE at the unit price of \$ _____ per EACH	2 EA	\$ _____
202-00810	REMOVAL OF GROUND SIGN at the unit price of \$ _____ per EACH	16 EA	\$ _____
202-00821	REMOVAL OF SIGN PANEL at the unit price of \$ _____ per EACH	2 EA	\$ _____
202-00827	REMOVAL OF PULL BOX at the unit price of \$ _____ per EACH	1 EA	\$ _____
202-01000	REMOVAL OF FENCE at the unit price of \$ _____ per LINEAR FOOT	356 LF	\$ _____
202-01035	REMOVAL OF GATE at the unit price of \$ _____ per EACH	1 EA	\$ _____
202-02141	REMOVAL OF TRASH RECEPTACLE at the unit price of \$ _____ per EACH	5 EA	\$ _____
202-02142	REMOVAL OF PARK BENCH at the unit price of \$ _____ per EACH	2 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
202-02143	REMOVAL OF TREE GRATE at the unit price of \$ _____ per EACH	22 EA	\$ _____
202-02144	REMOVAL OF PLANTER at the unit price of \$ _____ per EACH	9 EA	\$ _____
202-04001	PLUG CULVERT at the unit price of \$ _____ per EACH	3 EA	\$ _____
202-04010	CLEAN INLET at the unit price of \$ _____ per EACH	19 EA	\$ _____
202-04010	CLEAN CULVERT at the unit price of \$ _____ per EACH	23 EA	\$ _____
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE) at the unit price of \$ _____ per CUBIC YARD	4,691 CY	\$ _____
203-00100	MUCK EXCAVATION at the unit price of \$ _____ per CUBIC YARD	200 CY	\$ _____
203-01500	BLADING at the unit price of \$ _____ per HOUR	24 HR	\$ _____
203-01550	DOZING at the unit price of \$ _____ per HOUR	24 HR	\$ _____
203-01594	COMBINATION LOADER at the unit price of \$ _____ per HOUR	24 HR	\$ _____
203-01597	POTHOLING at the unit price of \$ _____ per EACH	100 EA	\$ _____
206-00530	FILTER MATERIAL (CLASS C) at the unit price of \$ _____ per CUBIC YARD	6 CY	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
207-00204	TOPSOIL (PLANTING SOIL) at the unit price of \$ _____ per CUBIC YARD	564 CY	\$ _____
207-00204	TOPSOIL (WATER QUALITY) at the unit price of \$ _____ per CUBIC YARD	95 CY	\$ _____
208-00002	EROSION LOG TYPE 1 (12 INCH) at the unit price of \$ _____ per LINEAR FOOT	1,500 LF	\$ _____
208-00035	AGGREGATE BAG at the unit price of \$ _____ per LINEAR FOOT	1,000 LF	\$ _____
208-00046	PRE-FABRICATED CONCRETE WASHOUT STRUCTURE (TYPE 1) at the unit price of \$ _____ per EACH	4 EA	\$ _____
208-00051	STORM DRAIN INLET PROTECTION (TYPE I) at the unit price of \$ _____ per LINEAR FOOT	116 LF	\$ _____
208-00052	STORM DRAIN INLET PROTECTION (TYPE II) at the unit price of \$ _____ per LINEAR FOOT	153 LF	\$ _____
208-00075	PRE-FABRICATED VEHICLE TRACKING PAD at the unit price of \$ _____ per EACH	10 EA	\$ _____
208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR) at the unit price of \$ _____ per HOUR	40 HR	\$ _____
208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT) at the unit price of \$ _____ per HOUR	80 HR	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
208-00106	SWEEPING (SEDIMENT REMOVAL) at the unit price of \$ _____ per HOUR	100 HR	\$ _____
208-00107	REMOVAL OF TRASH at the unit price of \$ _____ per HOUR	64 HR	\$ _____
208-00207	EROSION CONTROL MANAGEMENT at the unit price of \$ _____ per DAY	360 DAY	\$ _____
210-04000	MODIFY STRUCTURE (SPECIAL) (MONITORING WELL) at the unit price of \$ _____ per EACH	2 EA	\$ _____
210-04015	MODIFY MANHOLE at the unit price of \$ _____ per EACH	1 EA	\$ _____
210-04010	ADJUST WATER MANHOLE at the unit price of \$ _____ per EACH	1 EA	\$ _____
210-04021	MODIFY INLET (SPECIAL) at the unit price of \$ _____ per EACH	2 EA	\$ _____
210-04050	ADJUST VALVE BOX at the unit price of \$ _____ per EACH	4 EA	\$ _____
210-04060	ADJUST WATER METER at the unit price of \$ _____ per EACH	4 EA	\$ _____
210-06231	ADJUST IRRIGATION APPURTENANCE at the unit price of \$ _____ per EACH	8 EA	\$ _____
211-03005	DEWATERING at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
212-00000	LANDSCAPE RESTORATION at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
213-00005	MULCHING (DECORATIVE) at the unit price of \$ _____ per CUBIC FEET	302 CF	\$ _____
213-00012	SPRAY-ON MULCH BLANKET at the unit price of \$ _____ per ACRE	0.2 ACRE	\$ _____
213-00150	BONDED FIBER MATRIX at the unit price of \$ _____ per ACRE	0.2 ACRE	\$ _____
213-00500	TREE GRATE at the unit price of \$ _____ per EACH	4 EA	\$ _____
214-00000	LANDSCAPE MAINTENANCE (12 MONTH) at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
214-00225	DECIDUOUS TREE (2.5 INCH CALIPER) at the unit price of \$ _____ per EACH	28 EA	\$ _____
214-00350	DECIDUOUS SHRUB (5 GALLON CONTAINER) at the unit price of \$ _____ per EACH	38 EA	\$ _____
214-00910	PERENNIALS (1 GALLON CONTAINER) at the unit price of \$ _____ per EACH	52 EA	\$ _____
214-00950	PERENNIALS (5 GALLON CONTAINER) at the unit price of \$ _____ per EACH	29 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
216-00201	SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS 1) at the unit price of \$ _____ per SQUARE YARD	500 SY	\$ _____
217-00020	HERBICIDE TREATMENT at the unit price of \$ _____ per HOUR	32 HR	\$ _____
240-00000	WILDLIFE BIOLOGIST at the unit price of \$ _____ per HOUR	8 HR	\$ _____
240-00010	REMOVAL OF NESTS at the unit price of \$ _____ per HOUR	24 HR	\$ _____
250-00050	MONITORING TECHNICIAN at the unit price of \$ _____ per HOUR	120 HR	\$ _____
250-00051	MONITORING TECHNICIAN (HAZWOPER) at the unit price of \$ _____ per HOUR	40 HR	\$ _____
250-00110	HEALTH AND SAFETY OFFICER at the unit price of \$ _____ per HOUR	200 HR	\$ _____
250-00120	MATERIAL SAMPLING AND DELIVERY at the unit price of \$ _____ per EACH	20 EA	\$ _____
250-00200	MATERIAL HANDLING (STOCKPILE) at the unit price of \$ _____ per CUBIC YARD	1,000 CY	\$ _____
250-00210	SOLID WASTE DISPOSAL at the unit price of \$ _____ per CUBIC YARD	1,000 CY	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
250-00220	HAZARDOUS WASTE DISPOSAL at the unit price of \$ _____ per CUBIC YARD	500 CY	\$ _____
304-06007	AGGREGATE BASE COURSE (CLASS 6) at the unit price of \$ _____ per CUBIC YARD	810 CY	\$ _____
306-01001	MOISTURE TREATED SUBGRADE (6-INCH) at the unit price of \$ _____ per SQUARE YARD	7,812 SY	\$ _____
403-00720	HOT MIX ASPHALT (PATCHING) (ASPHALT) at the unit price of \$ _____ per TON	62 TON	\$ _____
403-33841	HOT MIX ASPHALT (GRADING S) (100) (PG 64-22) at the unit price of \$ _____ per TON	67 TON	\$ _____
411-10255	EMULSIFIED ASPHALT (SLOW-SETTING) at the unit price of \$ _____ per GALLON	70 GAL	\$ _____
412-00805	CONCRETE PAVEMENT (8 INCH) (FAST TRACK) at the unit price of \$ _____ per SQUARE YARD	654 SY	\$ _____
412-01050	CONCRETE PAVEMENT (10-1/2 INCH) at the unit price of \$ _____ per SQUARE YARD	4,850 4,523 SY	\$ _____
412-01060	CONCRETE PAVEMENT (10-1/2 INCH) (FAST TRACK) at the unit price of \$ _____ per SQUARE YARD	327 SY	\$ _____
502-01100	RETAPPING at the unit price of \$ _____ per EACH	2—EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
503-00024	DRILLED CAISSON (24 INCH) at the unit price of \$ _____ per LINEAR FOOT	21 LF	\$ _____
503-00036	DRILLED CAISSON (36 INCH) at the unit price of \$ _____ per LINEAR FOOT	58 LF	\$ _____
503-00048	DRILLED CAISSON (48 INCH) at the unit price of \$ _____ per LINEAR FOOT	17 LF	\$ _____
507-00400	BITUMINOUS SLOPE AND DITCH PAVING (ASPHALT) at the unit price of \$ _____ per TON	92 TON	\$ _____
601-03026	CONCRETE CLASS D (STAIR) at the unit price of \$ _____ per CUBIC YARD	2 CY	\$ _____
601-03050	CONCRETE CLASS D (WALL) at the unit price of \$ _____ per CUBIC YARD	36 CY	\$ _____
603-00002	CONNECTION TO BRICK STORM SEWER at the unit price of \$ _____ per EACH	3 EA	\$ _____
603-01125	12 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) at the unit price of \$ _____ per LINEAR FOOT	70 35 LF	\$ _____
603-01185	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) at the unit price of \$ _____ per LINEAR FOOT	771 LF	\$ _____
603-50006	6 INCH PLASTIC PIPE at the unit price of \$ _____ per LINEAR FOOT	285 LF	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
603-82012	12 INCH DUCTILE IRON PIPE at the unit price of \$ _____ per LINEAR FOOT	22 LF	\$ _____
603-82016	16 INCH DUCTILE IRON PIPE at the unit price of \$ _____ per LINEAR FOOT	525 LF	\$ _____
604-00010	INLET TYPE 14 L 6 (10 FOOT) at the unit price of \$ _____ per EACH	2 EA	\$ _____
604-00015	INLET TYPE 16 VALLEY (5 FOOT) at the unit price of \$ _____ per EACH	1 EA	\$ _____
604-16005	INLET TYPE 16 (5 FOOT) at the unit price of \$ _____ per EACH	2 EA	\$ _____
604-16010	INLET TYPE 16 (10 FOOT) at the unit price of \$ _____ per EACH	4 EA	\$ _____
604-16510	INLET TYPE 16 (DOUBLE) (10 FOOT) at the unit price of \$ _____ per EACH	1 EA	\$ _____
604-16605	INLET TYPE 16 (TRIPLE) (5 FOOT) at the unit price of \$ _____ per EACH	1 EA	\$ _____
604-20003	OUTLET STRUCTURE (SPECIAL) at the unit price of \$ _____ per EACH	6 EA	\$ _____
604-30010	MANHOLE SLAB BASE (10 FOOT) at the unit price of \$ _____ per EACH	1 EA	\$ _____
604-31004	MANHOLE TYPE B (5 FOOT) at the unit price of \$ _____ per EACH	1 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
604-31009	MANHOLE TYPE B (10 FOOT) at the unit price of \$ _____ per EACH	7 EA	\$ _____
605-00041	4 INCH PERFORATED PIPE UNDERDRAIN (SPECIAL) at the unit price of \$ _____ per LINEAR FOOT	24 LF	\$ _____
607-11525	FENCE (PLASTIC) at the unit price of \$ _____ per LINEAR FOOT	3,200 LF	\$ _____
608-00004	CONCRETE SIDEWALK (4 INCH) at the unit price of \$ _____ per SQUARE YARD	341 SY	\$ _____
608-00006	CONCRETE SIDEWALK (6 INCH) at the unit price of \$ _____ per SQUARE YARD	687 SY	\$ _____
608-00010	CONCRETE CURB RAMP at the unit price of \$ _____ per SQUARE YARD	487 SY	\$ _____
608-00050	PAVING TYPE AMENITY ZONE at the unit price of \$ _____ per SQUARE FOOT	1,309 SF	\$ _____
609-20000	CURB TYPE 2 (SECTION B) (SPECIAL) at the unit price of \$ _____ per LINEAR FOOT	263 LF	\$ _____
609-21023	8" CURB AND GUTTER-2' CATCH PAN at the unit price of \$ _____ per LINEAR FOOT	86 LF	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
609-21024	6" CURB AND GUTTER-2' CATCH PAN at the unit price of \$ _____ per LINEAR FOOT	1,593 LF	\$ _____
609-71001	CURB (SPECIAL) (8 INCH) at the unit price of \$ _____ per LINEAR FOOT	256 LF	\$ _____
610-00030	MEDIAN COVER MATERIAL (CONCRETE) at the unit price of \$ _____ per SQUARE FOOT	695 SF	\$ _____
610-00050	MEDIAN COVER MATERIAL (STONE) at the unit price of \$ _____ per TON	125 TON	\$ _____
613-00206	2 INCH ELECTRICAL CONDUIT (BORED) at the unit price of \$ _____ per LINEAR FOOT	420 LF	\$ _____
613-00306	3 INCH ELECTRICAL CONDUIT (BORED) at the unit price of \$ _____ per LINEAR FOOT	1,570 LF	\$ _____
613-01100	1 INCH ELECTRICAL CONDUIT (PLASTIC) at the unit price of \$ _____ per LINEAR FOOT	570 LF	\$ _____
613-01200	2 INCH ELECTRICAL CONDUIT (PLASTIC) at the unit price of \$ _____ per LINEAR FOOT	1,205 LF	\$ _____
613-01300	3 INCH ELECTRICAL CONDUIT (PLASTIC) at the unit price of \$ _____ per LINEAR FOOT	490 LF	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
613-07006	PULL BOX (TYPE A) at the unit price of \$ _____ per EACH	9 EA	\$ _____
613-07007	PULL BOX (TYPE B) at the unit price of \$ _____ per EACH	8 EA	\$ _____
613-07008	PULL BOX (TYPE C) at the unit price of \$ _____ per EACH	4 EA	\$ _____
613-10000	WIRING at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
613-10001	WIRING (TRAFFIC SIGNAL) at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
613-13000	LUMINAIRE (LED) at the unit price of \$ _____ per EACH	13 EA	\$ _____
613-32350	LIGHT STANDARD STEEL (35 FOOT) at the unit price of \$ _____ per EACH	5 EA	\$ _____
613-40010	LIGHT STANDARD FOUNDATION at the unit price of \$ _____ per EACH	5 EA	\$ _____
613-50100	LIGHTING CONTROL CENTER at the unit price of \$ _____ per EACH	3 EA	\$ _____
613-80130	SERVICE METER CABINET at the unit price of \$ _____ per EACH	2 EA	\$ _____
614-00011	SIGN PANEL (CLASS I) at the unit price of \$ _____ per SQUARE FOOT	239 SF	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
614-00216	STEEL SIGN POST (2X2 INCH TUBING) at the unit price of \$ _____ per LINEAR FOOT	193 LF	\$ _____
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN) at the unit price of \$ _____ per EACH	16 EA	\$ _____
614-70336	TRAFFIC SIGNAL FACE (12-12-12) at the unit price of \$ _____ per EACH	24 EA	\$ _____
614-72855	TRAFFIC SIGNAL CONTROLLER CABINET at the unit price of \$ _____ per EACH	2 EA	\$ _____
614-72867	EMERGENCY VEHICLE TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM at the unit price of \$ _____ per EACH	4 EA	\$ _____
614-72886	INTERSECTION DETECTION SYSTEM (CAMERA) at the unit price of \$ _____ per EACH	1 EA	\$ _____
614-81000	TRAFFIC SIGNAL-LIGHT POLE STEEL at the unit price of \$ _____ per EACH	3 EA	\$ _____
614-81020	TRAFFIC SIGNAL-LIGHT POLE STEEL (2 MAST ARM) at the unit price of \$ _____ per EACH	2 EA	\$ _____
614-81120	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-20 FOOT MAST ARM) at the unit price of \$ _____ per EACH	1 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
614-81140	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-40 FOOT MAST ARM) at the unit price of \$ _____ per EACH	1 EA	\$ _____
614-81160	TRAFFIC SIGNAL LIGHT POLE STEEL (1-60 FOOT MAST ARM) at the unit price of \$ _____ per EACH	1 EA	\$ _____
614-86105	TELEMETRY (FIELD) at the unit price of \$ _____ per EACH	2 EA	\$ _____
614-86800	UNINTERRUPTED POWER SUPPLY at the unit price of \$ _____ per EACH	2 EA	\$ _____
614-87010	FIBER OPTIC CABLE (SINGLE MODE) (12 FIBER) at the unit price of \$ _____ per LINEAR FOOT	1,060 LF	\$ _____
614-87333	CCTV CAMERA (TRAFFIC SURVEILLANCE) at the unit price of \$ _____ per EACH	2 EA	\$ _____
614-87690	ETHERNET MANAGED SWITCH at the unit price of \$ _____ per EACH	2 EA	\$ _____
617-99999	TEMPORARY DRAINAGE at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
619-00008	12 INCH WATERLINE FITTING (45 DEGREE ELBOW) at the unit price of \$ _____ per EACH	4 EA	\$ _____
619-00008	16 INCH WATERLINE FITTING (16 INCH BRANCH TEE) at the unit price of \$ _____ per EACH	1 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
619-00008	16 INCH WATERLINE FITTING (16 45 DEG ELBOW) at the unit price of \$ _____ per EACH	18 EA	\$ _____
619-40080	1 INCH COPPER PIPE at the unit price of \$ _____ per LINEAR FOOT	135 LF	\$ _____
619-73050	6 INCH BLOW OFF VALVE AND VAULT at the unit price of \$ _____ per EACH	1 EA	\$ _____
619-75096	12 INCH GATE VALVE at the unit price of \$ _____ per EACH	2 EA	\$ _____
619-77100	12 INCH X 16 INCH DUCTILE IRON PIPE REDUCER at the unit price of \$ _____ per EACH	4 EA	\$ _____
619-77210	PLUG at the unit price of \$ _____ per EACH	1 EA	\$ _____
619-77400	CURB STOP AND BOX at the unit price of \$ _____ per EACH	3 EA	\$ _____
621-00450	DETOUR PAVEMENT at the unit price of \$ _____ per SQUARE YARD	146 SY	\$ _____
622-00270	BOLLARD at the unit price of \$ _____ per EACH	4 EA	\$ _____
622-00540	WHEEL STOP at the unit price of \$ _____ per EACH	42 EA	\$ _____
623-00156	IRRIGATION BUBBLER at the unit price of \$ _____ per EACH	10 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
623-00162	DRIP EMITTER TUBING at the unit price of \$ _____ per LINEAR FOOT	900 LF	\$ _____
623-00212	12 INCH POP-UP SPRAY SPRINKLER at the unit price of \$ _____ per EACH	8 EA	\$ _____
623-00600	1-1/2 INCH PLASTIC PIPE at the unit price of \$ _____ per LINEAR FOOT	435 LF	\$ _____
623-00601	1 INCH PLASTIC PIPE at the unit price of \$ _____ per LINEAR FOOT	1,825 LF	\$ _____
623-00602	2 INCH PLASTIC PIPE (IRRIGATION/SLEEVE) at the unit price of \$ _____ per LINEAR FOOT	950 LF	\$ _____
623-00604	4 INCH PLASTIC PIPE (IRRIGATION/SLEEVE) at the unit price of \$ _____ per LINEAR FOOT	250 LF	\$ _____
623-01706	1 INCH BACKFLOW PREVENTER at the unit price of \$ _____ per EACH	1 EA	\$ _____
623-02006	1 INCH DRAIN VALVE at the unit price of \$ _____ per EACH	4 EA	\$ _____
623-03004	1 IN DRIP ZONE CONTROL VALVE at the unit price of \$ _____ per EACH	3 EA	\$ _____
623-03108	1 INCH AUTOMATIC CONTROL VALVE at the unit price of \$ _____ per EACH	2 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
623-04000	CONTROL WIRE 24 VOLT at the unit price of \$ _____ per LINEAR FOOT	2,250 LF	\$ _____
623-04002	POWER SOURCE WIRE at the unit price of \$ _____ per LINEAR FOOT	120 LF	\$ _____
623-04008	1 INCH QUICK-COUPLER VALVE at the unit price of \$ _____ per EACH	3 EA	\$ _____
623-04510	3/4 INCH BALL VALVE at the unit price of \$ _____ per EACH	6 EA	\$ _____
623-05012	1-1/2 INCH GATE VALVE at the unit price of \$ _____ per EACH	2 EA	\$ _____
623-06900	VALVE BOX - HDPE at the unit price of \$ _____ per EACH	5 EA	\$ _____
623-06901	VALVE BOX - CONCRETE POLYMER at the unit price of \$ _____ per EACH	6 EA	\$ _____
623-07006	3/4 INCH WATER METER at the unit price of \$ _____ per EACH	2 EA	\$ _____
623-07008	1 INCH WATER METER at the unit price of \$ _____ per EACH	2 EA	\$ _____
623-07510	WEATHER STATION at the unit price of \$ _____ per EACH	1 EA	\$ _____
623-07601	1 INCH FLOW SENSOR at the unit price of \$ _____ per EACH	1 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
623-08148	48 STATION AUTOMATIC CONTROLLER at the unit price of \$ _____ per EACH	1 EA	\$ _____
623-09901	RESTORATION OF IRRIGATION SYSTEMS at the unit price of \$ _____ per SQUARE FOOT	1,488 SF	\$ _____
625-00000	CONSTRUCTION SURVEYING at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
625-00001	CONSTRUCTION SURVEYING (HOURLY) at the unit price of \$ _____ per HOUR	60 HR	\$ _____
626-00000	MOBILIZATION at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
626-01102	PUBLIC INFORMATION SERVICES (TIER II) at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
627-00005	EPOXY PAVEMENT MARKING at the unit price of \$ _____ per GALLON	11 GAL	\$ _____
627-00008	MODIFIED EPOXY PAVEMENT MARKING at the unit price of \$ _____ per GALLON	27 GAL	\$ _____
627-00012	PAVEMENT MARKING PAINT (LOW VOC SOLVENT BASE) at the unit price of \$ _____ per GALLON	15 GAL	\$ _____
627-02010	PREFORMED PLASTIC PAVEMENT MARKING (TYPE II) (INLAID) at the unit price of \$ _____ per SQUARE FOOT	379 SF	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
627-30405	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL) at the unit price of \$ _____ per SQUARE FOOT	97 SF	\$ _____
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE) at the unit price of \$ _____ per SQUARE FOOT	1,626 SF	\$ _____
628-00000	CONSTRUCTION AS-BUILTS at the unit price of \$ _____ per LUMP SUM	1 LS	\$ _____
629-01050	MONUMENT BOX at the unit price of \$ _____ per EACH	1 EA	\$ _____
629-01210	ADJUST MONUMENT BOX at the unit price of \$ _____ per EACH	7 EA	\$ _____
630-00000	FLAGGING at the unit price of \$ _____ per HOUR	1,024 HR	\$ _____
630-00003	UNIFORMED TRAFFIC CONTROL at the unit price of \$ _____ per HOUR	40 HR	\$ _____
630-00007	TRAFFIC CONTROL INSPECTION at the unit price of \$ _____ per DAY	59 DAY	\$ _____
630-00012	TRAFFIC CONTROL MANAGEMENT at the unit price of \$ _____ per DAY	216 DAY	\$ _____
630-80335	BARRICADE (TYPE 3 M-A) (TEMPORARY) at the unit price of \$ _____ per EACH	4 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
630-80336	BARRICADE (TYPE 3 M-B) (TEMPORARY) at the unit price of \$ _____ per EACH	2 EA	\$ _____
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A) at the unit price of \$ _____ per EACH	29 EA	\$ _____
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B) at the unit price of \$ _____ per EACH	35 EA	\$ _____
630-80344	CONSTRUCTION TRAFFIC SIGN (SPECIAL) at the unit price of \$ _____ per SQUARE FOOT	64 SF	\$ _____
630-80348	CONSTRUCTION INFORMATION SIGN at the unit price of \$ _____ per EACH	4 EA	\$ _____
630-80355	PORTABLE MESSAGE SIGN PANEL at the unit price of \$ _____ per EACH	4 EA	\$ _____
630-80358	ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL (C TYPE) at the unit price of \$ _____ per EACH	3 EA	\$ _____
630-80360	DRUM CHANNELIZING DEVICE at the unit price of \$ _____ per EACH	250 EA	\$ _____
630-80380	TRAFFIC CONE at the unit price of \$ _____ per EACH	200 EA	\$ _____
630-80384	TUBULAR MARKER at the unit price of \$ _____ per EACH	150 EA	\$ _____

Item No.	Description and Price	Estimated Quantity	Estimated Cost
700-70023	F/A ON-THE-JOB TRAINEE at the unit price of \$ _____ per FORCE ACCOUNT	1 FA	\$ <u>6,400.00</u>
700-70050	F/A REMOVAL at the unit price of \$ _____ per FORCE ACCOUNT	1 FA	\$ <u>25,000.00</u>
700-70082	F/A FURNISH & INSTALL ELECTRICAL SERVICE at the unit price of \$ _____ per FORCE ACCOUNT	1 FA	\$ <u>40,000.00</u>
700-70380	F/A EROSION CONTROL at the unit price of \$ _____ per FORCE ACCOUNT	1 FA	\$ <u>5,000.00</u>
700-70589	F/A ENVIRONMENTAL HEALTH & SAFETY MANAGEMENT at the unit price of \$ _____ per FORCE ACCOUNT	1 FA	\$ <u>30,000.00</u>

PROJECT SPECIAL PROVISIONS

Project related revisions to the CDOT Standard Specifications for Road and Bridge Construction, including revisions, additions, deletions, are contained in the following Project Special Provisions. All bids and all construction shall be in accordance with the Project Special Provisions as applicable.

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**REVISION OF SECTION 202
REMOVAL OF STREET FURNISHINGS (MAINTENANCE DISTRICT)**

Section 202 of the Standard Specifications is hereby revised for this project as follows:

Subsection 202.01 shall include the following:

This work includes removal, salvaging, hauling and stockpiling of street furnishings as designated in the Contract Plans for removal. ~~In the case the owner of these components requests the items be reset, this work shall include reset and anchoring with the applicable assembly.~~ In the case the owner of these components refuses ~~reset and/or~~ delivery, this work shall include the haul and disposal.

Subsection 202.02 shall include the following:

The Contractor shall contact the Local Maintenance District to coordinate delivery of the salvaged components. Contacts for the Broadway ‘B’ Local Maintenance District are as follows:

Jamie Wright, Senior Property Manager, (303) 472-0604

Kelly Wilson, Assistant Property Manager, (303) 282-3225

If the Maintenance District refuses delivery, the Contractor shall prepare a letter stating ~~either~~ the refusal of delivery ~~and/or request to reset (as applicable)~~, and obtain signatures from the representatives of the Maintenance District. The Contractor shall furnish the signed letters to the City’s Project Manager. Upon authorization from the City’s Project Manager, ~~the components shall be either reset and/or~~ removals of the refused components shall then become the property of the Contractor and shall be hauled and disposed of at the Denver Arapahoe Disposal Site (DADS), 3500 South Gun Club Road, Aurora, Colorado.

Subsection 202.11 shall include the following:

Salvage, coordination with the maintenance district, delivery, ~~reset~~, and haul for disposal shall not be measured and paid for separately, but shall be included in the bid item.

Subsection 202.12 is hereby revised to include the following:

Payment will be made under:

Pay Item	Pay Unit
Removal of Trash Receptacle	Each
Removal of Park Bench	Each
Removal of Tree Grate	Each
Removal of Planter	Each

~~Payment will be full compensations for all work, materials and equipment necessary for reset of the street furnishings (as applicable).~~

Payment will be full compensations for all work, materials and equipment necessary for removal, hauling, stockpiling and disposal of the removed materials at DADS (as applicable).

END OF SECTION REVISION

CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	S. BROADWAY & E. EXPOSITION	AS-CONSTR.	W. EXPOSITION AVENUE	AS-CONSTR.	TOTAL	TOTAL AS-CONSTR.
217-00020	HERBICIDE TREATMENT	HOUR	24		8		32	
240-00000	WILDLIFE BIOLOGIST	HOUR	4		4		8	
240-00010	REMOVAL OF NESTS	HOUR	12		12		24	
250-00050	MONITORING TECHNICIAN	HOUR	60		60		120	
250-00051	MONITORING TECHNICIAN (HAZWOPER)	HOUR	20		20		40	
250-00110	HEALTH AND SAFETY OFFICER	HOUR	100		100		200	
250-00120	MATERIAL SAMPLING AND DELIVERY	EACH	10		10		20	
250-00200	MATERIAL HANDLING (STOCKPILE)	CY	500		500		1000	
250-00210	SOLID WASTE DISPOSAL	CY	500		500		1000	
250-00220	HAZARDOUS WASTE DISPOSAL	CY	250		250		500	
304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	420		390		810	
306-01001	MOISTURE TREATED SUBGRADE (6-INCH)	SY	3598		4214		7812	
403-00720	HOT MIX ASPHALT (PATCHING) (ASPHALT)	TON	0		62		62	
403-33841	HOT MIX ASPHALT (GRADING S) (100) (PG 64-22)	TON	0		67		67	
411-10255	EMULSIFIED ASPHALT (SLOW-SETTING)	GAL	0		70		70	
412-00805	CONCRETE PAVEMENT (8 INCH) (FAST TRACK)	SY	368		286		654	
412-01050	CONCRETE PAVEMENT (10-1/2 INCH)	SY	2346		2177		4523	
412-01060	CONCRETE PAVEMENT (10-1/2 INCH) (FAST TRACK)	SY	169		158		327	
502-01100	RETAPPING	EACH	2		0		2	

R-2



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Horiz. Scale: N/A Vert. Scale: N/A

City Project Manager: Michael Harmer, P.E.



Sheet Revisions		
Date:	Comments	Init.
2-24-2020	QUANTITY CHANGES	JMS



DEPARTMENT OF PUBLIC WORKS

201 WEST COLFAX AVENUE
DENVER, CO 80202
PHONE: (720) 913-4501
FAX: (720) 913-4544

As Constructed

No Revisions:

Revised:

Void:

BROADWAY & EXPOSITION IMPROVEMENTS
SUMMARY OF APPROXIMATE QUANTITIES
PHASE 1

Designer:	SPF	Structure Numbers	
Detailer:	AHC		
Sheet Subset:	ROADWAY		

Project Number

PWT2016-003

STU M320-101 (21120)

Sheet Number 02-020 R2

CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	S. BROADWAY & E. EXPOSITION	AS-CONSTR.	W. EXPOSITION AVENUE	AS-CONSTR.	TOTAL	TOTAL AS-CONSTR.
503-00024	DRILLED CAISSON (24 INCH)	LF	21		0		21	
503-00036	DRILLED CAISSON (36 INCH)	LF	58		0		58	
503-00048	DRILLED CAISSON (48 INCH)	LF	17		0		17	
507-00400	BITUMINOUS SLOPE AND DITCH PAVING (ASPHALT)	TON	0		92		0	
601-03026	CONCRETE CLASS D (STAIR)	CY	2		0		2	
601-03050	CONCRETE CLASS D (WALL)	CY	25		11		36	
603-00002	CONNECTION TO BRICK STORM SEWER	EACH	2		1		3	
603-01125	12 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	35		0		35	
603-01185	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	135		636		771	
603-50006	6 INCH PLASTIC PIPE	LF	195		90		285	
603-82012	12 INCH DUCTILE IRON PIPE	LF	22		0		22	
603-82016	16 INCH DUCTILE IRON PIPE	LF	0		525		525	
604-00010	INLET TYPE 14 L 6 (10 FOOT)	EACH	1		1		2	
604-00015	INLET TYPE 16 VALLEY (5 FOOT)	EACH	0		1		1	
604-16005	INLET TYPE 16 (5 FOOT)	EACH	1		1		2	
604-16010	INLET TYPE 16 (10 FOOT)	EACH	3		1		4	
604-16510	INLET TYPE 16 (DOUBLE) (10 FOOT)	EACH	0		1		1	
604-16605	INLET TYPE 16 (TRIPLE) (5 FOOT)	EACH	1		0		1	



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 City Project Manager: Michael Harmer, P.E.

Sheet Revisions		
Date:	Comments	Init.
2-24-2020	QUANTITY CHANGES	JMS

DENVER
 THE MILE HIGH CITY
DEPARTMENT OF PUBLIC WORKS
 201 WEST COLFAX AVENUE
 DENVER, CO 80202
 PHONE: (720) 913-4501
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As Constructed
 No Revisions:
 Revised:
 Void:

BROADWAY & EXPOSITION IMPROVEMENTS
 SUMMARY OF APPROXIMATE QUANTITIES
 PHASE 1
 Designer: SPF
 Detailer: AHC
 Sheet Subset: ROADWAY
 Structure Numbers

Project Number
 PWT2016-003
 STU M320-101 (21120)
 Sheet Number 02-021 R2

STREET	304-06000 AGGREGATE BASE COURSE (CLASS 6)	306-01001 MOISTURE TREATED SUBGRADE (6-INCH)	403-00720 HOT MIX ASPHALT (PATCHING) (ASPHALT)	403-33841 HOT MIX ASPHALT (GRADING S) (100) (PG 64-22)	411-10255 EMULSIFIED ASPHALT (SLOW-SETTING)	412-00805 CONCRETE PAVEMENT (8 INCH) (FAST TRACK)	412-01050 CONCRETE PAVEMENT (10 1/2 INCH)	412-01060 CONCRETE PAVEMENT (10 1/2 INCH) (FAST TRACK)
	CY	SY	TON	TON	GAL	SY	SY	SY
S. BROADWAY & E. EXPOSITION AVENUE	420	3598				368	2347	169
W. EXPOSITION AVENUE	390	4214	62	67	70	286	2177	158
PROJECT TOTALS	810	7812	62	67	70	654	4523	327

R-2

STREET	601-03026 CONCRETE CLASS D (STAIR)	608-00004 CONCRETE SIDEWALK (4 INCH)	608-00006 CONCRETE SIDEWALK (6 INCH)	608-00010 CONCRETE CURB RAMP
	CY	SY	SY	SY
S. BROADWAY & E. EXPOSITION AVENUE	2	144	273	230
W. EXPOSITION AVENUE		197	414	257
PROJECT TOTALS	2	341	687	487

STREET	609-20000 CURB TYPE 2 (SECTION B) (SPECIAL)	609-21023 8" CURB AND GUTTER-2' CATCH PAN	609-21024 6" CURB AND GUTTER-2' CATCH PAN	609-71001 CURB (SPECIAL) (8 INCH)	610-00030 MEDIAN COVER MATERIAL (CONCRETE)	610-00050 MEDIAN COVER MATERIAL (STONE)	622-00270 BOLLARD	622-00540 WHEEL STOP	629-01050 MONUMENT BOX	629-01210 ADJUST MONUMENT BOX
	LF	LF	LF	LF	SF	TON	EACH	EACH	EACH	EACH
S. BROADWAY & E. EXPOSITION AVENUE		86	752	58	544	46	4			6
W. EXPOSITION AVENUE	263		841	198	151	79		42	1	1
PROJECT TOTALS	263	86	1593	256	695	125	4	42	1	7

1 SEE CONCRETE STAIR DETAILS FOR ADDITIONAL INFORMATION.



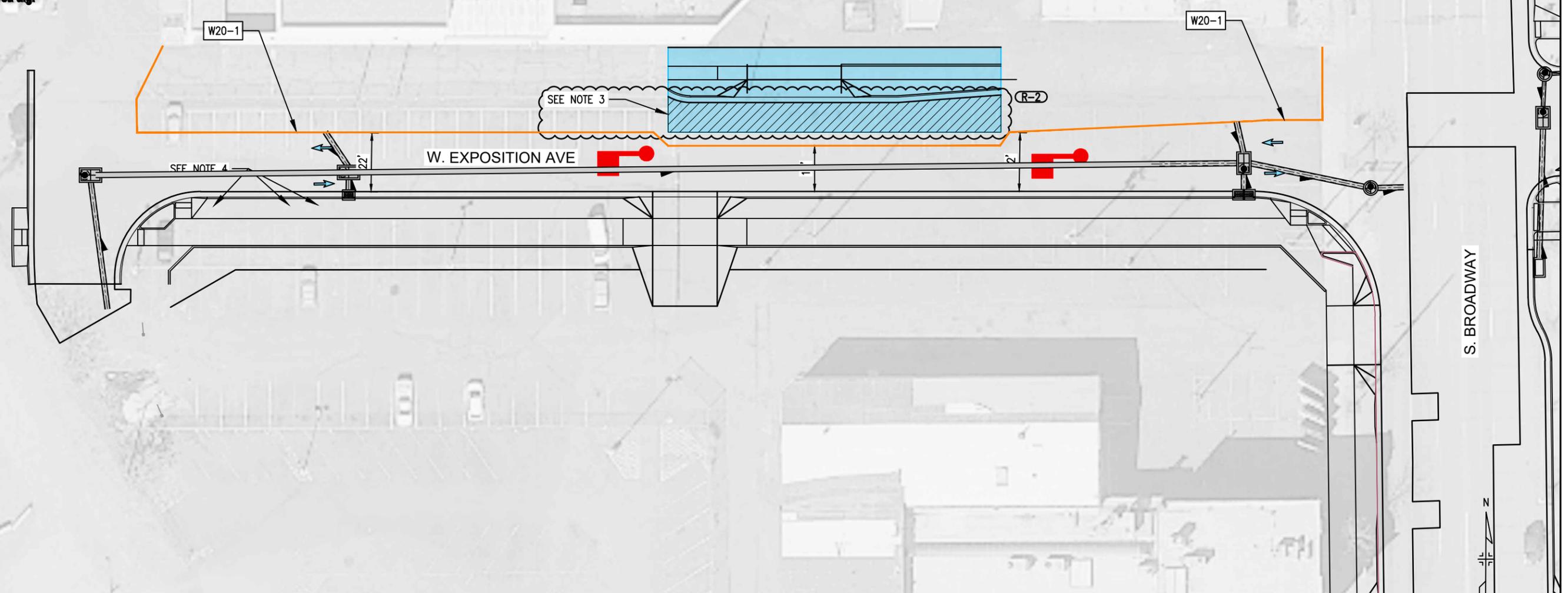
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Print Date: 2/21/2020	Sheet Revisions			<p>DEPARTMENT OF PUBLIC WORKS 201 WEST COLFAX AVENUE DENVER, CO 80202 PHONE: (720) 913-4501 FAX: (720) 913-4544</p>	As Constructed	BROADWAY & EXPOSITION IMPROVEMENTS SUMMARY OF ROADWAY QUANTITIES PHASE 1 ROADWAY		Project Number
File Name: 1_16006_PH1_SQTB_01_R1.dwg	Date:	Comments	Init.		No Revisions:			PWT2016-003
Horiz. Scale: N/A Vert. Scale: N/A	2-24-2020	QUANTITY CHANGES	JMS		Revised:	Designer: SPF	Structure Numbers	STU M320-101 (21120)
City Project Manager: Michael Harmer, P.E.					Void:	Detailer: AHC		Sheet Number 02-030 R2
						Sheet Subset: ROADWAY		



Know what's below.
Call before you dig.

QUEST DIAGNOSTICS



NOTES

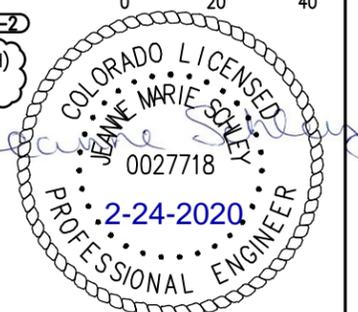
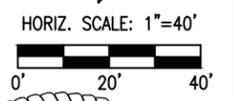
- 1. ALL SIGN LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FOLLOW LATEST MUTCD STANDARDS.
- 2. CONTRACTOR SHALL USE MUTCD APPROVED DEVICES.
- 3. CONCRETE PAVEMENT SHALL BE FAST TRACK. (R-2)

PHASE	CONSTRUCTION ACTIVITY/SEQUENCE
5.2.A	EROSION CONTROL (SEE EROSION CONTROL PLANS) AND RELOCATE UTILITIES AS NEEDED.
5.2.B	CONSTRUCT QUEST DIAGNOSTICS DRIVEWAY ACCESS

5.2.A
PHASE 5
STAGE 2
SEQUENCE A

LEGEND

- PEDESTRIAN ROUTE
- WORK ZONE (R-2)
- CONCRETE PAVEMENT (10 1/2 INCH) (FAST TRACK)
- MUTCD CHANNELIZING DEVICES
- BARRICADE (TYPE 3) (TEMPORARY)
- DIRECTION OF TRAFFIC
- FLAGGER



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 City Project Manager: Michael Harmer, P.E.
 FELSBURG HOLT & ULLEVIG

Sheet Revisions		
Date:	Comments	Init.
2-24-2020	FAST TRACK PCCP	JMS



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Void:	

BROADWAY & EXPOSITION IMPROVEMENTS CONSTRUCTION PHASING PLANS PHASE 5 STAGE 2		
Designer:	SPF	Structure Numbers
Detailer:	JVS	
Sheet Subset:	TRAFFIC	

Project Number	PWT2016-003
	STU M320-101 (21120)
Sheet Number	11-021 R2