CONDUIT AND CONDUCTOR SCHEDULE

LOCATION			81100600	81100200	81702120	81702101	X1400375	X8710035
FROM	TO	C-C LENGTH	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL (FOOT)	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14 (FOOT)	DMX CONTROL CABLE IN CONDUIT (FOOT)	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE (FOOT)
NORTH CONTROL	WJ14-5	200	200				2266	
NORTH CONTROL	WJ14-6	200	200		2472			
WJ14-5	CBX-01	120	120				126	
WJ14-6	CBX-01	120	120		252			
WJ14-5	WJ16-2	60	60				528	
WJ14-6	WJ16-3	60	60		594			
WJ16-2	WJ21-2	150	150				1092	
WJ16-3	WJ21-3	150	150		1248			
WJ21-2	WJ26-2	150	150				936	
WJ21-3	WJ26-3	150	150		1092			
WJ26-2	WJ29-5	120	120				630	
WJ26-3	WJ29-6	120	120		756			
WJ29-5	WJ31-2	30	30				144	
WJ29-6	WJ31-3	30	30		180			
WJ31-2	WJ36-2	150	150				468	
WJ31-3	WJ36-3	150	150		624			
WJ36-2	WJ41-2	150	150				312	
WJ36-3	WJ41-3	150	150		468			
WJ41-2	CBX-11	150	150				156	
WJ41-3	CBX-11	150	150		312			
SOUTH CONTROL	WJ77-2	500	500				4048	
SOUTH CONTROL	WJ77-3	500	500		4554			
WJ77-2	WJ75-2	60	60				462	
WJ77-3	WJ75-3	60	60		528			
WJ75-2	WJ70-2	150	150				936	
WJ75-3	WJ70-3	150	150		1092			
WJ70-2	WJ64-5	180	180				930	
WJ70-3	WJ64-6	180	180		1116			
WJ64-5	WJ60-2	120	120				378	
WJ64-6	WJ60-3	120	120		504			
WJ60-2	WJ55-2	150	150				312	
WJ60-3	WJ55-3	150	150		468			
WJ55-2	CBX-12	150	150				156	
WJ55-3	CBX-12	150	150		312			
NORTH CONTROL	EJ14-5	200	200				2266	
NORTH CONTROL	EJ14-6	200	200		2472			
EJ14-5	CBX-21	120	120				126	
EJ14-6	CBX-21	120	120		252			
EJ14-5	EJ16-2	60	60				528	
EJ14-6	EJ16-3	60	60		594			
EJ16-2	EJ21-2	150	150				1092	
EJ16-3	EJ21-3	150	150		1248			
EJ21-2	EJ26-2	150	150				936	
EJ21-3	EJ26-3	150	150		1092			
EJ26-2	EJ29-5	120	120				630	
EJ26-3	EJ29-6	120	120		756			
EJ29-5	EJ31-2	30	30				144	
EJ29-6	EJ31-3	30	30		180			
EJ31-2	EJ36-2	150	150				468	
EJ31-3	EJ36-3	150	150		624			
EJ36-2	EJ41-2	150	150				312	
EJ36-3	EJ41-3	150	150		468			
EJ41-2	CBX-31	150	150				156	
EJ41-3	CBX-31	150			312			
SOUTH CONTROL	EJ77-2	500	500				4048	
SOUTH CONTROL	EJ77-3	500	500		4554			
EJ77-2	EJ75-2	60	60				462	
EJ77-3	EJ75-3	60	60		528			
EJ75-2	EJ70-2	150	150				936	
EJ75-3	EJ70-3	150	150		1092			
EJ70-2	EJ64-5	180	180				930	
EJ70-3	EJ64-6	180	180		1116			
EJ64-5	EJ60-2	120	120				378	

CONDUIT AND CONDUCTOR SCHEDULE

LOCATION			81100600	81100200	81702120	81702101	X1400375	X8710035
FROM	TO	C-C LENGTH	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL (FOOT)	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14 (FOOT)	DMX CONTROL CABLE IN CONDUIT (FOOT)	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE (FOOT)
EJ64-6	EJ60-3	120	120		504			
EJ60-2	EJ55-2	150	150				312	
EJ60-3	EJ55-3	150	150		468			
EJ55-2	CBX-32	150	150				156	
EJ55-3	CBX-32	150	150		312			
CBX01	WJ10	6		12		36	12	
WJ10	WJ09	30		60		108	36	
WJ09	WJ08	30		60		108	36	
WJ08	WJ07	30		60		108	36	
WJ07	WJ06	30		60		108	36	
WJ14-5	CBX02	6		6			12	
WJ14-6	CBX02	6		6	36			
CBX02	WJ14-1	6		12		36	12	
WJ14-1	WJ13	30		60		108	36	
WJ13	WJ12	30		60		108	36	
WJ12	WJ11	30		60		108	36	
WJ14-5	CBX03	6		6			12	
WJ14-6	CBX03	6		6	36			
CBX03	WJ15	36		72		126	42	
CBX03	WJ14-4	12		24		54	18	
WJ14-4	WJ14-3	6		12		36	12	
WJ14-3	WJ14-2	6		12		36	12	
WJ16-2	CBX04	6		6			12	
WJ16-3	CBX04	6		6	36			
CBX04	WJ16-1	6		12		36	12	
WJ16-1	WJ17	30		60		108	36	
WJ17	WJ18	30		60		108	36	
WJ18	WJ19	30		60		108	36	
WJ19	WJ20	30		60		108	36	
WJ21-2	CBX05	6		6			12	
WJ21-3	CBX05	6		6	36			
CBX05	WJ21-1	6		12		36	12	
WJ21-1	WJ22	30		60		108	36	
WJ22	WJ23	30		60		108	36	
WJ23	WJ24	30		60		108	36	
WJ24	WJ25	30		60		108	36	
WJ26-2	CBX-06	6		6			12	
WJ26-3	CBX-06	6		6	36			
CBX-06	WJ26-1	6		12		36	12	
WJ26-1	WJ27	30		60		108	36	
WJ27	WJ28	30		60		108	36	
WJ28	WJ29-1	30		60		108	36	
WJ29-5	CBX-07	6		6			12	
WJ29-6	CBX-07	6		6	36			
CBX-07	WJ30	6		12		36	12	
CBX-07	WJ29-4	12		24		54	18	
WJ29-4	WJ29-3	6		12		36	12	
WJ29-3	WJ29-2	6		12		36	12	
WJ31-2	CBX-08	6		6			12	
WJ31-3	CBX-08	6		6	36			
CBX-08	WJ31-1	6		12		36	12	
WJ31-1	WJ32	30		60		108	36	
WJ32	WJ33	30		60		108	36	
WJ33	WJ34	30		60		108	36	
WJ34	WJ35	30		60		108	36	

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarmbo	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - CONDUIT AND CONDUCTORS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 4 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	101
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\18181065\00 - Peoria Murray Baker Lighting\04_Drawings\SIGN\CAD_Sheets\0900001-68C89\0221-Schedule of Quantities 01.dgn
9/18/2019 2:48:54 PM

CONDUIT AND CONDUCTOR SCHEDULE

LOCATION			81100600	81100200	81702120	81702101	X1400375	X8710035
FROM	TO	C-C LENGTH	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL (FOOT)	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14 (FOOT)	DMX CONTROL CABLE IN CONDUIT (FOOT)	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE (FOOT)
WJ36-2	CBX-09	6		6			12	
WJ36-3	CBX-09	6		6	36			
CBX-09	WJ36-1	6		12		36	12	
WJ36-1	WJ37	30		60		108	36	
WJ37	WJ38	30		60		108	36	
WJ38	WJ39	30		60		108	36	
WJ39	WJ40	30		60		108	36	
WJ41-2	CBX-10	6		6			12	
WJ41-3	CBX-10	6		6	36			
CBX-10	WJ41-1	6		12		36	12	
WJ41-1	WJ42	30		60		108	36	
WJ42	WJ43	30		60		108	36	
WJ43	WJ44	30		60		108	36	
WJ44	WJ45	30		60		108	36	
CBX-11	WJ46	6		12		36	12	
WJ46	WJ47	30		60		108	36	
WJ47	WJ48	30		60		108	36	
WJ48	WJ49-1	30		60		108	36	
CBX-12	WJ50	6		12		36	12	
CBX-12	WJ49-4	12		24		54	18	
WJ49-4	WJ49-3	6		12		36	12	
WJ49-3	WJ49-2	6		12		36	12	
WJ55-2	CBX-13	6		6			12	
WJ55-3	CBX-13	6		6	36			
CBX-13	WJ55-1	6		12		36	12	
WJ55-1	WJ54	30		60		108	36	
WJ54	WJ53	30		60		108	36	
WJ53	WJ52	30		60		108	36	
WJ52	WJ51	30		60		108	36	
WJ60-2	CBX-14	6		6			12	
WJ60-3	CBX-14	6		6	36			
CBX-14	WJ60-1	6		12		36	12	
WJ60-1	WJ59	30		60		108	36	
WJ59	WJ58	30		60		108	36	
WJ58	WJ57	30		60		108	36	
WJ57	WJ56	30		60		108	36	
WJ64-5	CBX-15	6		6			12	
WJ64-6	CBX-15	6		6	36			
CBX-15	WJ64-1	6		12	24	36	12	
WJ64-1	WJ63	30		60		108	36	
WJ63	WJ62	30		60		108	36	
WJ62	WJ61	30		60		108	36	
WJ64-5	CBX-16	6		6			12	
WJ64-6	CBX-16	6		6	36			
CBX-16	WJ65	36		72		126	42	
CBX-16	WJ64-4	12		24		54	18	
WJ64-4	WJ64-3	6		12		36	12	
WJ64-3	WJ64-2	6		12		36	12	
WJ70-2	CBX-17	6		6			12	
WJ70-3	CBX-17	6		6	36			
CBX-17	WJ70-1	6		12		36	12	
WJ70-1	WJ69	30		60		108	36	
WJ69	WJ68	30		60		108	36	
WJ68	WJ67	30		60		108	36	
WJ67	WJ66	30		60		108	36	
WJ75-2	CBX-18	6		6			12	
WJ75-3	CBX-18	6		6	36			
CBX-18	WJ75-1	6		12		36	12	
WJ75-1	WJ74	30		60		108	36	
WJ74	WJ73	30		60		108	36	
WJ73	WJ72	30		60		108	36	
WJ72	WJ71	30		60		108	36	
WJ77-2	CBX-19	6		6			12	

CONDUIT AND CONDUCTOR SCHEDULE

LOCATION			81100600	81100200	81702120	81702101	X1400375	X8710035
FROM	TO	C-C LENGTH	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL (FOOT)	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14 (FOOT)	DMX CONTROL CABLE IN CONDUIT (FOOT)	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE (FOOT)
WJ77-3	CBX-19	6		6	36			
CBX-19	WJ77-1	6		12		36	12	
WJ77-1	WJ78	30		60		108	36	
WJ77-1	WJ76	30		60		108	36	
CBX-21	EJ10	6		12		36	12	
EJ10	EJ09	30		60		108	36	
EJ09	EJ08	30		60		108	36	
EJ08	EJ07	30		60		108	36	
EJ07	EJ06	30		60		108	36	
EJ14-5	CBX-22	6		6			12	
EJ14-6	CBX-22	6		6	36			
CBX-22	EJ14-1	6		12		36	12	
EJ14-1	EJ13	30		60		108	36	
EJ13	EJ12	30		60		108	36	
EJ12	EJ11	30		60		108	36	
EJ14-5	CBX-23	6		6			12	
EJ14-6	CBX-23	6		6	36			
CBX-23	EJ15	36		72		126	42	
CBX-23	EJ14-4	12		24		54	18	
EJ14-4	EJ14-3	6		12		36	12	
EJ14-3	EJ14-2	6		12		36	12	
EJ16-2	CBX-24	6		6			12	
EJ16-3	CBX-24	6		6	36			
CBX-24	EJ16-1	6		12		36	12	
EJ16-1	EJ-17	30		60		108	36	
EJ-17	EJ-18	30		60		108	36	
EJ-18	EJ-19	30		60		108	36	
EJ-19	EJ-20	30		60		108	36	
EJ21-2	CBX-25	6		6			12	
EJ21-3	CBX-25	6		6	36			
CBX-25	EJ21-1	6		12		36	12	
EJ21-1	EJ22	30		60		108	36	
EJ22	EJ23	30		60		108	36	
EJ23	EJ24	30		60		108	36	
EJ24	EJ25	30		60		108	36	
EJ26-2	CBX-26	6		6			12	
EJ26-3	CBX-26	6		6	36			
CBX-26	EJ26-1	6		12		36	12	
EJ26-1	EJ27	30		60		108	36	
EJ27	EJ28	30		60		108	36	
EJ28	EJ29-1	30		60		108	36	
EJ29-5	CBX-27	6		6			12	
EJ29-6	CBX-27	6		6	36			
CBX-27	EJ30	6		12		36	12	
CBX-27	EJ29-4	12		24		54	18	
EJ29-4	EJ29-3	6		12		36	12	
EJ29-3	EJ29-2	6		12		36	12	
EJ31-2	CBX-28	6		6			12	
EJ31-3	CBX-28	6		6	36			
CBX-28	EJ31-1	6		12		36	12	
EJ31-1	EJ32	30		60		108	36	
EJ32	EJ33	30		60		108	36	
EJ33	EJ34	30		60		108	36	
EJ34	EJ35	30		60		108	36	
EJ36-2	CBX-29	6		6			12	

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarmdno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24d0 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - CONDUIT AND CONDUCTORS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 2 OF 4 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	102
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\18191069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-4222-Schedule of Quantities 02.dgn
9/18/2019 2:49:04 PM

CONDUIT AND CONDUCTOR SCHEDULE

LOCATION			81100600	81100200	81702120	81702101	X1400375	X8710035
FROM	TO	C-C LENGTH	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL (FOOT)	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14 (FOOT)	DMX CONTROL CABLE IN CONDUIT (FOOT)	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE (FOOT)
EJ36-3	CBX-29	6		6	36			
CBX-29	EJ36-1	6		12		36	12	
EJ36-1	EJ37	30		60		108	36	
EJ37	EJ38	30		60		108	36	
EJ38	EJ39	30		60		108	36	
EJ39	EJ40	30		60		108	36	
EJ41-2	CBX-30	6		6			12	
EJ41-3	CBX-30	6		6	36			
CBX-30	EJ41-1	6		12		36	12	
EJ41-1	EJ42	30		60		108	36	
EJ42	EJ43	30		60		108	36	
EJ43	EJ44	30		60		108	36	
EJ44	EJ45	30		60		108	36	
CBX-31	EJ46	6		12		36	12	
EJ46	EJ47	30		60		108	36	
EJ47	EJ48	30		60		108	36	
EJ48	EJ49-1	30		60		108	36	
CBX-32	EJ50	6		12		36	12	
CBX-32	EJ49-4	12		24		54	18	
EJ49-4	EJ49-3	6		12		36	12	
EJ49-3	EJ49-2	6		12		36	12	
EJ55-2	CBX-33	6		6			12	
EJ55-3	CBX-33	6		6	36			
CBX-33	EJ55-1	6		12		36	12	
EJ55-1	EJ54	30		60		108	36	
EJ54	EJ53	30		60		108	36	
EJ53	EJ52	30		60		108	36	
EJ52	EJ51	30		60		108	36	
EJ60-2	CBX-34	6		6			12	
EJ60-3	CBX-34	6		6	36			
CBX-34	EJ60-1	6		12		36	12	
EJ60-1	EJ59	30		60		108	36	
EJ59	EJ58	30		60		108	36	
EJ58	EJ57	30		60		108	36	
EJ57	EJ56	30		60		108	36	
EJ64-5	CBX-35	6		6			12	
EJ64-6	CBX-35	6		6	36			
CBX-35	EJ64-1	6		12		36	12	
EJ64-1	EJ63	30		60		108	36	
EJ63	EJ62	30		60		108	36	
EJ62	EJ61	30		60		108	36	
EJ64-5	CBX-36	6		6			12	
EJ64-6	CBX-36	6		6	36			
CBX-36	EJ65	36		72		126	42	
CBX36	EJ64-4	12		24		54	18	
EJ64-4	EJ64-3	6		12		36	12	
EJ64-3	EJ64-2	6		12		36	12	
EJ70-2	CBX-37	6		6			12	
EJ70-3	CBX-37	6		6	36			
CBX-37	EJ70-1	6		12		36	12	
EJ70-1	EJ69	30		60		108	36	
EJ69	EJ68	30		60		108	36	
EJ68	EJ67	30		60		108	36	
EJ67	EJ66	30		60		108	36	
EJ75-2	CBX-38	6		6			12	
EJ75-3	CBX-38	6		6	36			
CBX-38	EJ75-1	6		12		36	12	
EJ75-1	EJ74	30		60		108	36	
EJ74	EJ73	30		60		108	36	
EJ73	EJ72	30		60		108	36	
EJ72	EJ71	30		60		108	36	
EJ77-2	CBX-39	6		6			12	
EJ77-3	CBX-39	6		6	36			

CONDUIT AND CONDUCTOR SCHEDULE

LOCATION			81100600	81100200	81702120	81702101	X1400375	X8710035
FROM	TO	C-C LENGTH	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL (FOOT)	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 (FOOT)	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 14 (FOOT)	DMX CONTROL CABLE IN CONDUIT (FOOT)	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE (FOOT)
CBX-39	EJ77-1	6		12		36	12	
EJ77-1	EJ78	30		60		108	36	
EJ77-1	EJ76	30		60		108	36	
NORTH CONTROL	EJ16-4	260	260					468
EJ16-4	EJ26-4	300	300					306
EJ26-4	EJ36-4	300	300					306
EJ36-4	EJ46-2	300	300					306
EJ46-2	EJ56-2	300	300					306
EJ56-2	EJ67-2	330	330					336
EJ67-2	EJ78-2	270	270					276
EJ78-2	SOUTH CONTROL	60	60					268
TOTAL			12,330	7,944	34,320	14,400	32,944	2,572

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarnt1no	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 24d0 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - CONDUIT AND CONDUCTORS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 3 OF 4 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	103
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018106\b00 - Peoria Murray Baker Lighting\04_Drawings\DGN\C4D_Sheets\09000001-68C890-0223-Schedule of Quantities 03.dgn
9/18/2019 2:49:13 PM

SCHEDULE OF ELECTRICAL ITEMS

LOCATION / BRIDGE POSITION	X8040102 ELECTRIC SERVICE INSTALLATION, SPECIAL (EACH)	X1400376 CONTROL CABINET, BASE MOUNT (SPECIAL) (EACH)	X8212031 LUMINAIRE, TYPE A (SPECIAL) (EACH)	X8212032 LUMINAIRE, TYPE B (SPECIAL) (EACH)	X8212033 LUMINAIRE, TYPE C (SPECIAL) (EACH)	X1400377 CBX SPLITTER BOX (EACH)	X8130110 JUNCTION BOX (SPECIAL) (EACH)	81300710 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 6" (EACH)	X0325541 REMOVE EXISTING LIGHTING SYSTEM (L SUM)	84500110 REMOVAL OF LIGHTING CONTROLLER (EACH)
6				2			2			
7			4	2			2			
8				6			2			
9			4	2			2			
10				6		2	2			
11			4	2			2			
12				6			2			
13			4	2			2			
14				6	18	4	8	4		
15			4	2			2			
16				6		2	3	4		
17			4	2			2			
18				6			2			
19			2	4			2			
20			4	2			2			
21				6		2	2	4		
22			4	2			2			
23				6			2			
24			4	2			2			
25				6			2			
26			4	2		2	3	4		
27				6			2			
28			4	2			2			
29				6	18	2	8	4		
30			4	2			2			
31				6		2	2	4		
32			4	2			2			
33				6			2			
34			2	4			2			
35			4	2			2			
36				6		2	3	4		
37			4	2			2			
38				6			2			
39			4	2			2			
40				6			2			
41			4	2		2	2	4		
42				6			2			
43			4	2			2			
44			2	4			2			
45				6			2			
46			4	2		2	3			
47				6			2			
48			4	2			2			
49				6	18	2	8			
50			4	2			2			
51				6			2			
52			4	2			2			
53				6			2			
54			4	2			2			
55				6		2	2	4		
56			4	2			3			
57				6			2			
58			4	2			2			
59			2	4			2			

LOCATION / BRIDGE POSITION	X8040102 ELECTRIC SERVICE INSTALLATION, SPECIAL (EACH)	X1400376 CONTROL CABINET, BASE MOUNT (SPECIAL) (EACH)	X8212031 LUMINAIRE, TYPE A (SPECIAL) (EACH)	X8212032 LUMINAIRE, TYPE B (SPECIAL) (EACH)	X8212033 LUMINAIRE, TYPE C (SPECIAL) (EACH)	X1400377 CBX SPLITTER BOX (EACH)	X8130110 JUNCTION BOX (SPECIAL) (EACH)	81300710 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 6" (EACH)	X0325541 REMOVE EXISTING LIGHTING SYSTEM (L SUM)	84500110 REMOVAL OF LIGHTING CONTROLLER (EACH)
60				6		2	2	4		
61			4	2			2			
62				6			2			
63			4	2			2			
64				6	18	4	8	4		
65			4	2			2			
66				6			2			
67			4	2			3			
68				6			2			
69			4	2			2			
70				6		2	2	4		
71			4	2			2			
72				6			2			
73			4	2			2			
74				6			2			
75			4	2		2	2	4		
76				6			2			
77			4	2		2	2	4		
78				2			3			
PIER 4	1	1								1
PIER 9	1	1								
L SUM									1	
TOTAL	2	2	144	286	72	38	177	56	1	1

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - ELECTRICAL ITEMS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 4 OF 4 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	104
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.ctb
MODEL: SHEET
FILE NAME: J:\2019\19109500 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89\0224-Schedule of Quantities 04.dgn
9/18/2019 2:49:19 PM

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	SOURCE COLOR	OPTIC	LUMENS	CONTROL	MANUFACTURER	FEATURES	NOTES
A	LED HORIZONTAL COLOR WASH	277	50*	RGBW	10 DEGREE SPOT	1,700*	DMX/RDM	LUMENPULSE COLOR KINETICS ACCAIM ANOLIS	TEXTURED GRAY FINISH, 3G ANSI C136.31 VIBRATION RATING, CORROSION RESISTANT RATING, DMX/RDM ENABLED	* FIXTURE WATTAGE AND LUMEN OUTPUT FIGURES ARE FOR LUMENPULSE PRODUCTS. OTHER MANUFACTURERS ARE SIMILAR. SEE NOTES BELOW FOR ADDITIONAL ACCESSORIES.
B	LED SUPERSTRUCTURE WHITE WASH	277	202.5*	4000K	6 DEGREE VERY NARROW	10,400*	DMX/RDM	LUMENPULSE COLOR KINETICS ACCAIM ANOLIS	TEXTURED GRAY FINISH, 3G ANSI C136.31 VIBRATION RATING, CORROSION RESISTANT RATING, DMX/RDM ENABLED	* FIXTURE WATTAGE AND LUMEN OUTPUT FIGURES ARE FOR LUMENPULSE PRODUCTS. OTHER MANUFACTURERS ARE SIMILAR. SEE NOTES BELOW FOR ADDITIONAL ACCESSORIES.
C	LED PIER COLUMN WASH	277	196*	RGBW	10 DEGREE SPOT	6,880*	DMX/RDM	LUMENPULSE COLOR KINETICS ACCAIM ANOLIS	TEXTURED GRAY FINISH, 3G ANSI C136.31 VIBRATION RATING, CORROSION RESISTANT RATING, DMX/RDM ENABLED	* FIXTURE WATTAGE AND LUMEN OUTPUT FIGURES ARE FOR LUMENPULSE PRODUCTS. OTHER MANUFACTURERS ARE SIMILAR. SEE NOTES BELOW FOR ADDITIONAL ACCESSORIES.

NOTE: PROVIDE GLARE SHIELDS FOR ALL LUMINAIRES TO SHIELD VIEWING THE LIGHT SOURCE (LUMINAIRE LENS) BY PASSING MOTORISTS ON THE BRIDGE ROADWAY. PROVIDE ROCK GUARDS FOR LUMINAIRE TYPE A AND B.

CONSTRUCTION NOTES

1. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
2. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
3. THE COMMUNICATION VAULT SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE. COMMUNICATION VAULTS SHALL BE INSTALLED AT 4000 FEET MINIMUM INTERVALS.
4. THE CONTRACTOR SHALL SUBMIT A FIBER SPLICING PLAN TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLING FIBER.
5. FIBER OPTIC CABLE SHALL BE SPLICED TO CREATE A CONTINUOUS LINK THROUGH THE ENTIRE PROJECT LIMITS. ALL FIBERS WITHIN THE CABLE SHALL BE FUSION SPLICED AND ALL SPLICES SHALL BE PROTECTED BY A WEATHERPROOF SPLICE ENCLOSURE. SPLICES SHALL BE MADE ONLY IN COMMUNICATION VAULTS.
6. THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE OR THHN) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES IN ALL CONDUITS THAT CONTAIN ONLY FIBER OPTIC CABLE. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM THE COMMUNICATION VAULTS AND DECORATIVE LIGHTING CONTROLLERS.
7. ALL COMMUNICATIONS DUCT SHALL BE INSTALLED IN AND WILL BE PAID FOR IN ACCORDANCE WITH SECTION 810 "UNDERGROUND RACEWAYS" OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 814001-03.
8. REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ASSOCIATED PAY ITEM.
9. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE ASSOCIATED PAY ITEM.
11. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS AND JUNCTION BOXES TO THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO UNI-STRUT, BRACKETS, SEAL-TITE, LBS, FITTINGS, HARDWARE, AND OTHER MISCELLANEOUS ITEMS. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.
12. CONDUIT ATTACHMENT BRACKETS SHALL BE INSTALLED AT 8 FT. SPACINGS (MAXIMUM) ON STRUCTURES.
13. THE CONTRACTOR SHALL FURNISH AND INSTALL EXPANSION/DEFLECTION COUPLINGS (OR OTHER EQUIPMENT AND METHODS AS APPROVED BY THE ENGINEER) FOR ALL BRIDGE JOINTS AS REQUIRED AND DIRECTED BY THE ENGINEER.
14. THE CONTRACTOR SHALL SUBMIT A COMPLETE PACKAGE (INCLUDING CONDUIT BRACKETS, HARDWARE, ATTACHMENT POINTS, ATTACHMENT METHODS, ETC.) TO THE DEPARTMENT FOR REVIEW AND SUBSEQUENT APPROVAL PRIOR TO COMMENCING WORK.

CONSTRUCTION NOTES (CON'T)

15. ALL SEAL-TITE CONDUIT SHALL BE NON-METALLIC AND SHALL INCLUDE CONNECTORS WITH INTEGRAL STAINLESS STEEL KELLUM GRIPS AT THE ENDS FOR INCREASED STRENGTH AND DURABILITY.
16. ALL CONDUIT ATTACHMENT BRACKETS SHALL BE FULLY GALVANIZED AND ALL HARDWARE SHALL BE GALVANIZED STEEL.
17. THE CONTRACTOR SHALL INSTALL GALVANIZED STEEL LOCK WASHERS AND LOCKNUTS ON ALL THREADED CONNECTIONS.
18. THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED CONDUIT THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION.
19. THE CONTRACTOR SHALL COAT ALL FIELD CUT THREADS IN GALVANIZED STEEL CONDUIT, UNI-STRUT ENDS, AND ALL OTHER FIELD CUT GALVANIZED STEEL COMPONENTS WITH AN APPROVED ELECTRICALLY CONDUITIVE, CORROSION RESISTANT COMPOUND TO PROTECT AGAINST CORROSION. COATINGS FOR THREADS SHALL BE UL LISTED UNDER CATAGORY "FOIZ" AND COLD GALVANIZING ZINC RICH PAINT SHALL BE APPLIED TO ALL CUT ENDS AND OTHER COMPONENTS WHERE THE GALVANIZED FINISH HAS BEEN DAMAGED OR REMOVED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE.
20. THE CONTRACTOR SHALL INSTALL 1/8" THICK RUBBER PADS AT ALL LOCATIONS WHERE THE CONDUIT SUPPORT BRACKETS ARE IN DIRECT CONTACT WITH THE BRIDGE BEAMS TO PREVENT DAMAGE TO THE PAINT AND TO MINIMIZE VIBRATION INDUCED MOVEMENT OF THE BRACKET ON THE BEAM.
21. THE CONTRACTOR SHALL VERIFY AND FINALIZE ALL CONDUIT SUPPORT BRACKET DIMENSIONS. THE BRACKETS SHALL BE COMPATIBLE WITH EXISTING FIELD CONDITIONS.
22. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING ALL BRACKET DIMENSIONS AND ASSOCIATED HARDWARE AND COMPONENTS ARE CORRECT PRIOR TO RELEASING THE BRACKETS FOR FABRICATION.
23. THE CONTRACTOR SHALL CONSTRUCT PROPTYPE CONDUIT SUPPORT BRACKETS AND INSTALL THEM ON THE STRUCTURE TO VERIFY FIT PRIOR TO RELEASING THEM FOR FABRICATION.
24. ALL CONDUIT SUPPORT BRACKETS AND ASSOCIATED BRACKETING SHALL BE FULLY HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS (AASHTO M 111).
25. THERE WILL BE NO ADDITIONAL COMPENSATION FOR ADJUSTMENTS TO THE CONDUIT SUPPORT BRACKETS THAT ARE REQUIRED FOR COMPATIBILITY WITH EXISTING FIELD CONDITIONS.
26. THE CONTRACTOR SHALL FURNISH AND INSTALL A 96 FIBER SINGLE MODE CABLE FOR COMMUNICATIONS BETWEEN EACH DECORATIVE LIGHTING CONTROLLER. THE CONTRACTOR SHALL INSTALL A COMMUNICATIONS VAULT NEAR EACH DECORATIVE LIGHTING CONTROLLER (INCLUDE 200 FT. OF SLACK CABLE INSIDE EACH VAULT) AND LATERALLY SPLICE A 96 FIBER CABLE FROM THE COMMUNICATIONS VAULTS INTO THE DECORATIVE LIGHTING CONTROLLERS. THE CONTRACTOR SHALL TERMINATE 12 FIBERS INSIDE EACH DECORATIVE LIGHTING CONTROLLER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED FIBER OPTIC CABLE.
27. ALL LUMINAIRE JUNCTION BOXES, AND CBX SPLITTER BOXES SHALL BE LABELED WITH AN ENGRAVED STAINLESS STEEL NAME PLATE IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR EACH PAY ITEM.

LIGHTING PERFORMANCE CRITERIA

1. THESE PLANS WERE DEVELOPED FROM LUMINAIRES AND SUPPORT EQUIPMENT FROM ONE MANUFACTURER, LUMENPULSE GROUP, INC. OTHER MANUFACTURERS LISTED IN THE LUMINAIRE SCHEDULE AND THE SPECIAL PROVISIONS ARE ACCEPTABLE ALTERNATES. CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW DETAILED PHOTOMETRIC CALCULATIONS OF TYPICAL BRIDGE SECTIONS THAT INCLUDE POINT PLOTS OF THE ANTICIPATED ILLUMINANCE (IN FOOTCANDLES) ALONG THE VARIOUS STRUCTURAL, BARRIER WALL AND PIER SECTIONS THAT WILL BE ILLUMINATED. THE LATEST VERSION OF LIGHTING ANALYSIS, INC. AGI32 SOFTWARE SHALL BE USED. SUBMIT TO THE ENGINEER REPORT OUTPUTS THAT INCLUDE NUMERICAL POINT PLOTS AND A CALCULATION SUMMARY FOR EACH TYPICAL CONFIGURATION OF THE BRIDGE SUPERSTRUCTURE, BARRIER WALL AND PIER LIGHTING. INCLUDE CUTSHEETS OF THE SPECIFIC LUMINAIRE MODELS WITH THE OPTICAL AND LUMEN OUTPUT USED IN THE PHOTOMETRIC CALCULATION HIGHLIGHTED.
2. THE SUPPORTS FOR THE SUPERSTRUCTURE LUMINAIRES LOCATE THE CENTER OF THE LIGHT BEAM AT 18 INCHES FROM THE BRIDGE. ILLUMINANCE CALCULATIONS SHALL USE THIS BEAM CENTER OFFSET. PROVIDE A BEAM SPREAD AS NARROW AS AVAILABLE TO CONCENTRATE THE BEAM AND CONTROL LIGHT ON THE STRUCTURE FACE AND MINIMIZE LIGHT SPILL. THE LUMINAIRE SCHEDULE INCLUDES OPTICAL CRITERIA FOR SPECIFIC LUMINAIRE TYPES AS GUIDANCE IN SELECTING PROPOSED OPTICS FOR THE SUBMITTED LUMINAIRE SELECTIONS. SUBMIT RECOMMENDED AIMING ANGLE SETTINGS FOR EVERY LUMINAIRE INSTALLATION. DETERMINE BEAM ANGLES THAT PROVIDE UNIFORM ILLUMINANCE LEVELS FROM THE BOTTOM TO THE TOP OF THE STRUCTURE ACCORDING TO THE CRITERIA GIVEN BELOW. PROVIDE FINAL CALCULATED AIMING ANGLES FOR ALL LUMINAIRES TO THE CONTRACTOR FOR THE INITIAL POSITIONING OF THE LUMINAIRES.
3. ILLUMINATING ENGINEERING SOCIETY (IES) HANDBOOK PROVIDES GENERAL GUIDANCE FOR FAÇADE LIGHTING IN CHAPTER 26.2.3. THIS HAS BEEN USED TO ESTABLISH THE PERFORMANCE CRITERIA SPECIFIED FOR THIS PROJECT. THE CRITERIA HAVE BEEN ESTABLISHED USING THE "FEATURE FAÇADE" EXTERIOR LIGHTING RECOMMENDATIONS IN TABLE 26.2. THE SUPERSTRUCTURE IS FINISHED IN A MEDIUM GRAY COLOR WITH A LIGHT REFLECTANCE OF 70 PERCENT. THE PIERS AND BARRIER WALLS ARE CONCRETE WITH A LIGHT REFLECTANCE OF 40 PERCENT. THE ROADWAY WILL BE ILLUMINATED FROM A NEW LED LIGHTING SYSTEM AND WILL PROVIDE SOME AMBIENT LIGHT BEHIND THE SUPERSTRUCTURE. A "MEDIUM ACTIVITY" AND AN "LZ1" ACTIVITY LEVEL WILL BE USED TO ACCOUNT FOR THE EFFECTS OF THE ROADWAY LIGHTING ON THE FAÇADE FEATURE LIGHTING RESULTS. FROM TABLE 26.2, A VERTICAL ILLUMINANCE TARGET OF 7.5 FOOTCANDLES MAXIMUM IS RECOMMENDED. IES DOES NOT ESTABLISH A RECOMMENDED UNIFORMITY HOWEVER, TO CREATE A REASONABLY UNIFORM LIGHTING RESULT, A 10:1 AVERAGE TO MINIMUM UNIFORMITY IS REQUIRED.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnd1no	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

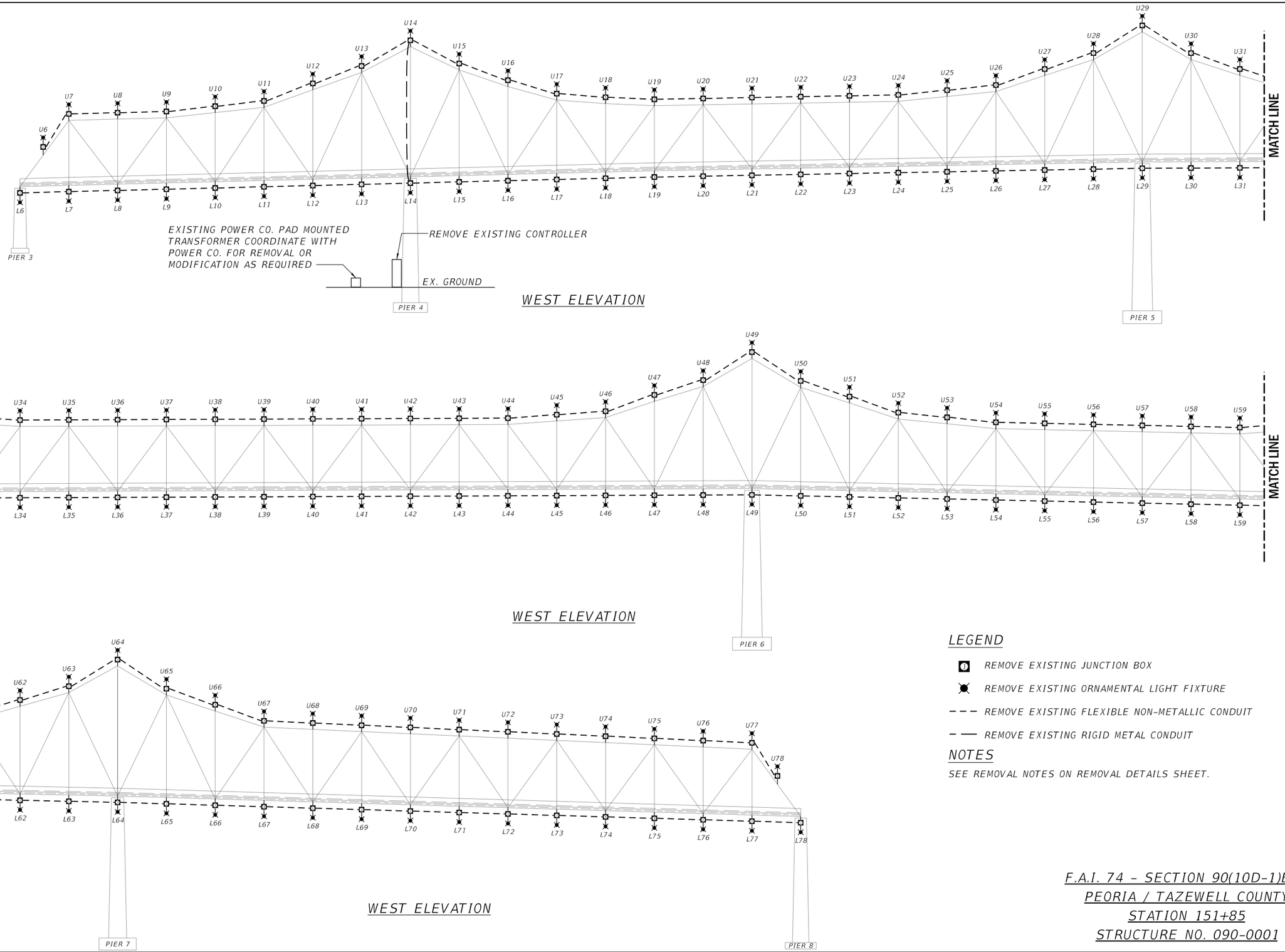
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CRITERIA AND CONSTRUCTION NOTES
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	105
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_FL_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\01811069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\09000001-68C890-4277-Lighting Criteria and Results.dgn
9/18/2019 2:49:24 PM



WEST ELEVATION

WEST ELEVATION

WEST ELEVATION

LEGEND

- REMOVE EXISTING JUNCTION BOX
- REMOVE EXISTING ORNAMENTAL LIGHT FIXTURE
- REMOVE EXISTING FLEXIBLE NON-METALLIC CONDUIT
- REMOVE EXISTING RIGID METAL CONDUIT

NOTES

SEE REMOVAL NOTES ON REMOVAL DETAILS SHEET.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

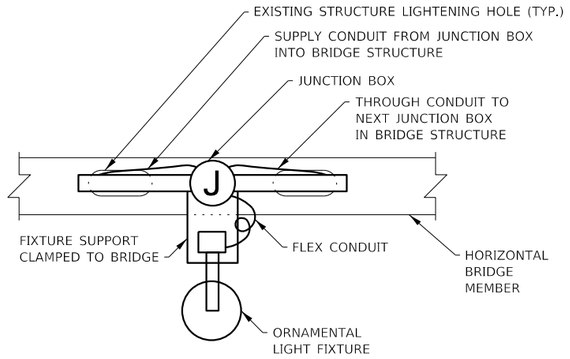
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING SYSTEM REMOVALS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

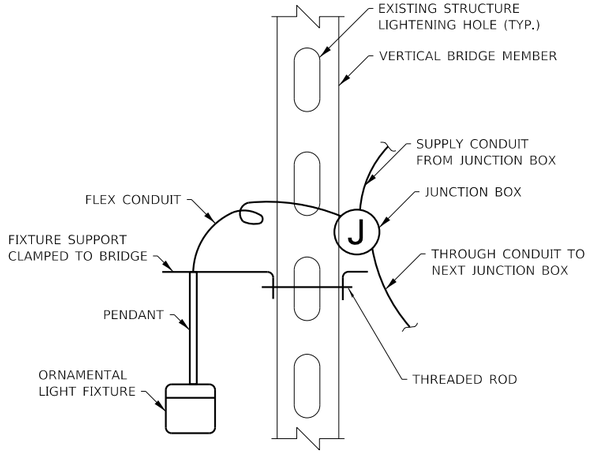
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	106
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\01810\09\00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C890-E01-Existing Lighting System Removals.dgn
9/18/2019 2:49:28 PM



UPPER INSTALLATION PLAN



LOWER INSTALLATION ELEVATION

REMOVAL OF LIGHT UNIT DETAIL
(TYPICAL)

REMOVAL NOTES:

1. THE WEST ELEVATION IS SHOWN AND INCLUDES HALF OF THE TOTAL LIGHTING REMOVALS. THE EAST ELEVATION IS A MIRROR IMAGE AND IS INCLUDED IN THE EXISTING LIGHTING SYSTEM REMOVAL SPECIAL PROVISION. THE REMOVALS SHOWN ARE AS REPORTED FROM AS-BUILD DOCUMENTATION AND ACTUAL INSTALLATION MAY DIFFER. CONTRACTOR SHALL CONFIRM EXISTING INSTALLATION AND FIELD CONDITIONS BEFORE SUBMITTING BID.

2. NOT ALL DETAILS OF THE EXISTING INSTALLATION ARE SHOWN. PROVIDE COMPLETE REMOVAL OF ALL EXISTING ORNAMENTAL LIGHT FIXTURES, PENDANTS, SUPPORTS, CONDUIT, CONDUCTORS, JUNCTION BOXES AND HARDWARE. PROVIDE REMOVAL OF EXISTING ELECTRIC SERVICE (FROM POWER CO. TRANSFORMER TO CONTROLLER CABINET) AND EXISTING CONTROLLER CABINET. EXISTING ELECTRIC SERVICE AND CONTROLLER CABINET IS GROUND MOUNTED AND LOCATED AT PIER 4.

3. THE EXISTING LIGHTING SYSTEM CONDUITS CONSIST OF FLEXIBLE NON-METALLIC CONDUIT THAT HAS BEEN INSTALLED INSIDE THE EXISTING BRIDGE STRUCTURAL MEMBERS AND RIGID METAL CONDUIT IN SOME LOCATIONS. REMOVE ALL CONDUIT INSIDE AND OUTSIDE OF THE BRIDGE STRUCTURE.

4. CONDUCTOR REMOVAL SHALL BE INCLUDED IN "REMOVE EXISTING LIGHTING SYSTEM" PAY ITEM.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnd1no	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '/ ft.	DRAWN - TRH	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

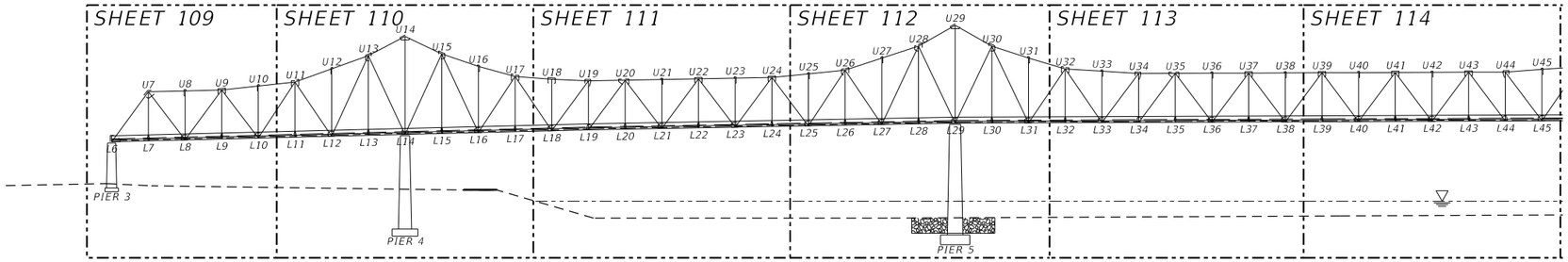
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

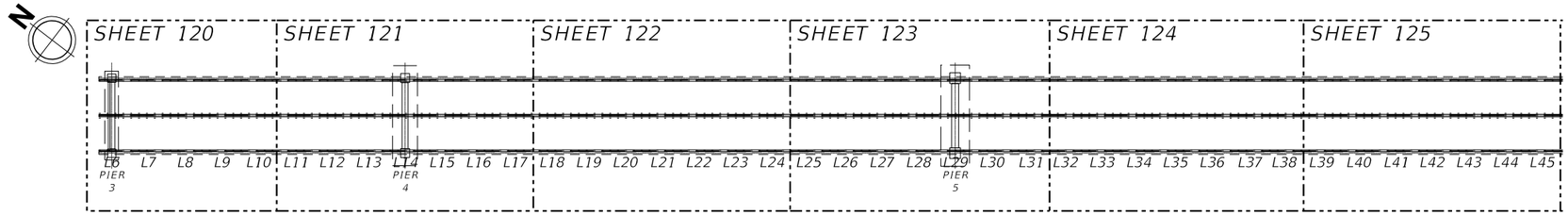
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	107
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

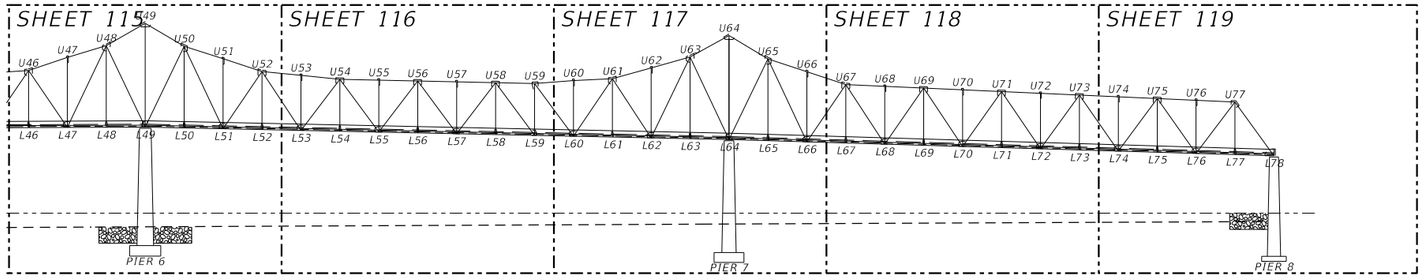
PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018110693.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\09000001-68C890-0332-Removal Detail.dgn
9/18/2019 2:49:31 PM



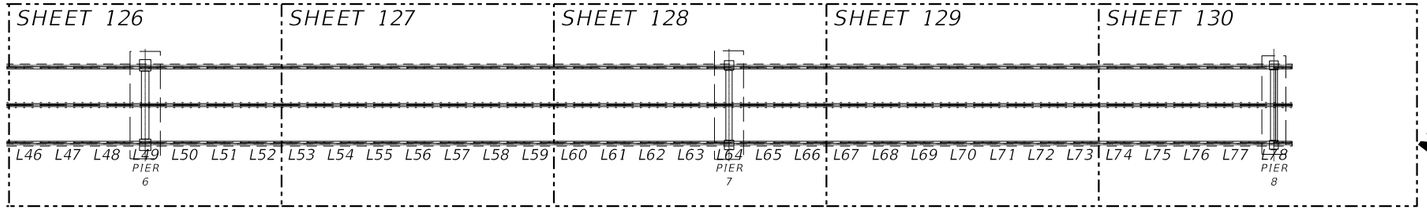
WEST ELEVATION



PLAN



WEST ELEVATION



PLAN

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL1: SHEET
FILE NAME: J:\2018\01811069.00 • Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-035-Key Plan.dgn

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarmer	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '=' / ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KEY PLAN
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

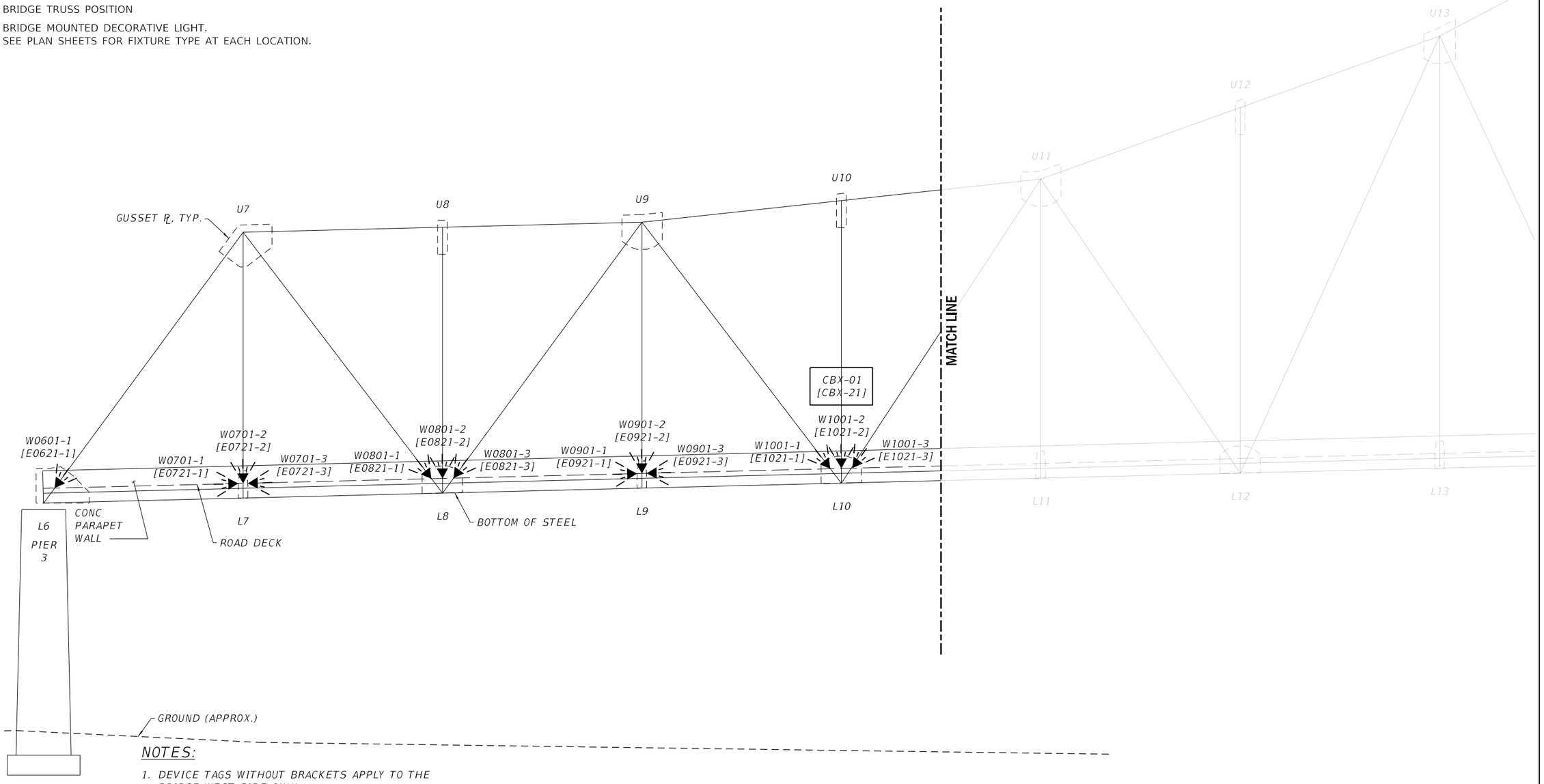
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	108
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

9/18/2019 2:49:32 PM

LEGEND

W0701-2 *[E0721-2]*	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WEST ELEVATION
(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnino	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 06 - 10
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	109
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090000-68C890-BR_PDF_H_MONO.ultrdg
MODEL: SHEET
FILE NAME: J:\2018\18108500 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090000-68C890\4237-Elevation 01.dgn
9/18/2019 2:49:33 PM

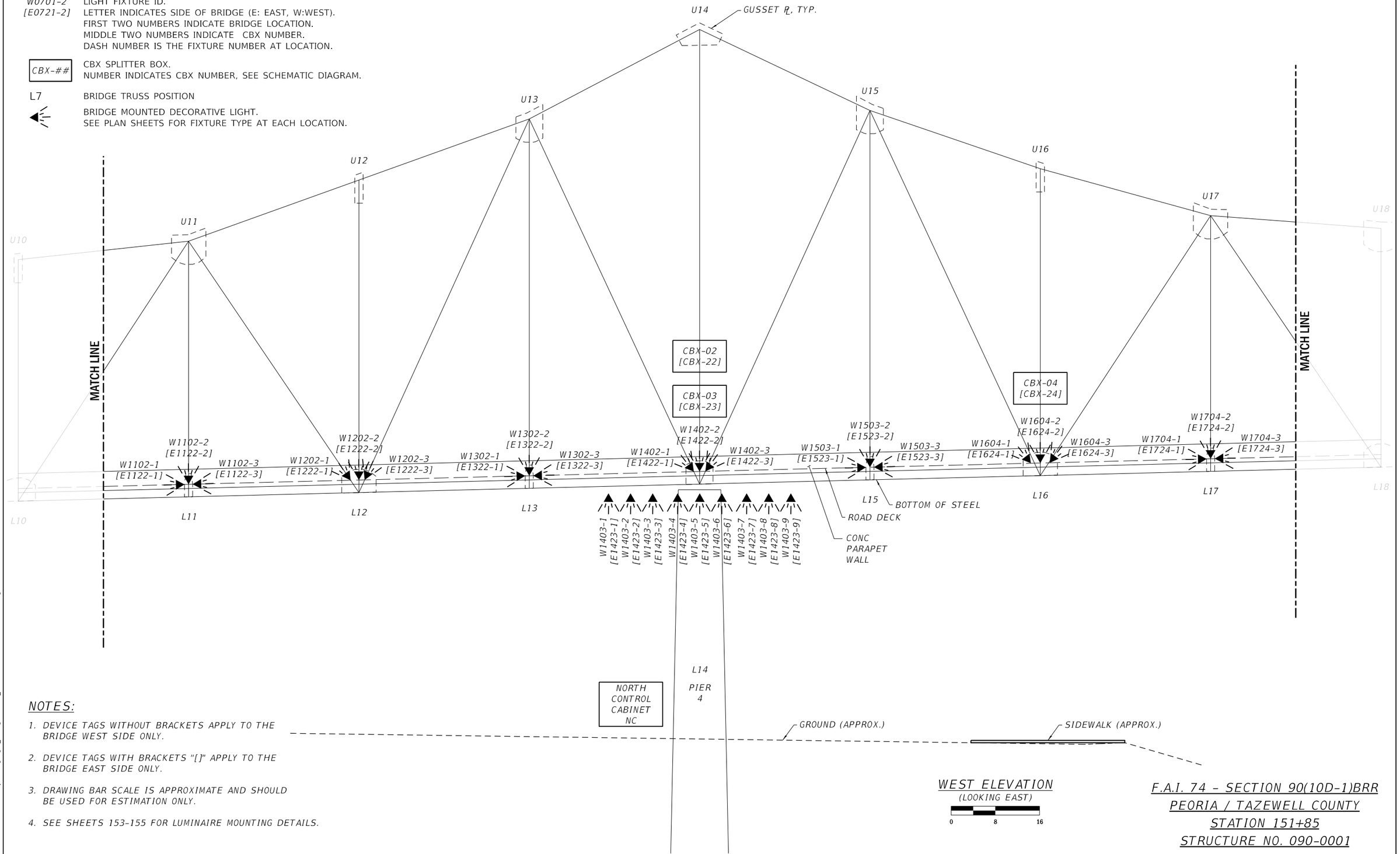
LEGEND

W0701-2 / *[E0721-2]* — LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

CBX-## — CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 — BRIDGE TRUSS POSITION

BRIDGE MOUNTED DECORATIVE LIGHT.
SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WEST ELEVATION
(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2450 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 11 - 17
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 2 OF 11 SHEETS

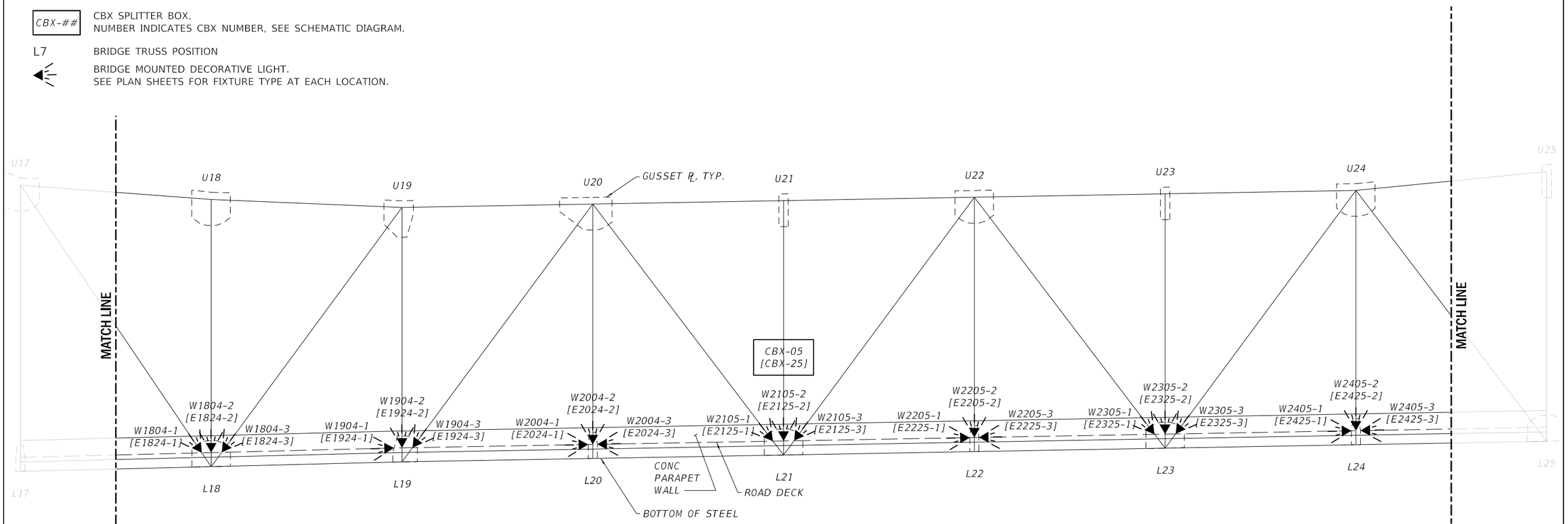
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	110
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\18110069.00 • Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-4398-Elevation 02.dgn
9/18/2019 2:49:33 PM

LEGEND

W0701-2 *[E0721-2]*	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WATER (APPROX.)

WEST ELEVATION
(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnitino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24\0 '=' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 18 - 24
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 3 OF 11 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	111
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018106\b00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C89-0209-Elevation 03.dgn
9/18/2019 2:49:34 PM

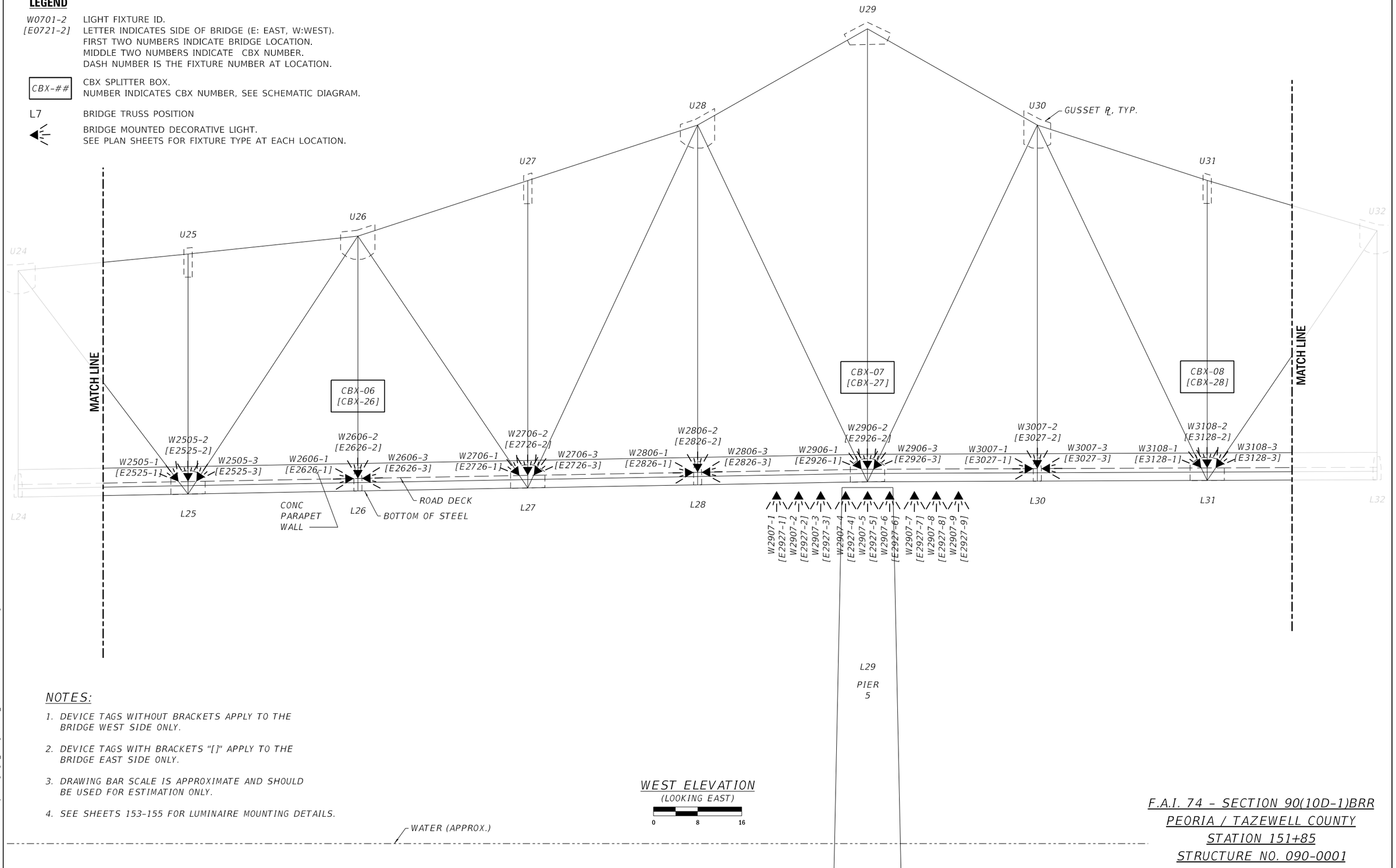
LEGEND

W0701-2 / *[E0721-2]* — LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

CBX-## — CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 — BRIDGE TRUSS POSITION

BRIDGE MOUNTED DECORATIVE LIGHT.
SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WEST ELEVATION
(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarmitno	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 24\0 '' / ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 25 - 31
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 4 OF 11 SHEETS

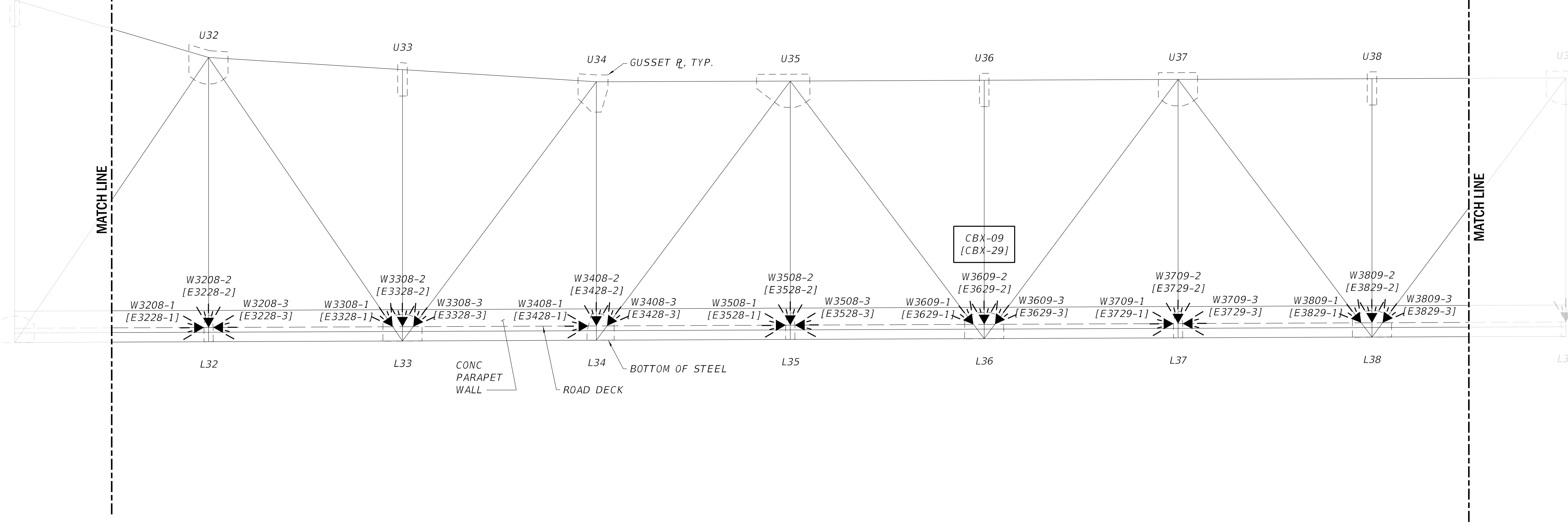
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	112
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2019\19181069\00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89-04-Elevation 04.dgn
9/18/2019 2:49:35 PM

LEGEND

W0701-2 [E0721-2]	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
(symbol)	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WEST ELEVATION
(LOOKING EAST)

0 8 16

WATER (APPROX.)

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtarntino	DESIGNED - DAR	REVISED
		CHECKED - JDA	REVISED
	PLOT SCALE = 24:0 ':" / ft.	DRAWN - RJT	REVISED
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 32 - 38
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 5 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	113
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-041-Elevation 05.dgn

9/18/2019 2:49:36 PM

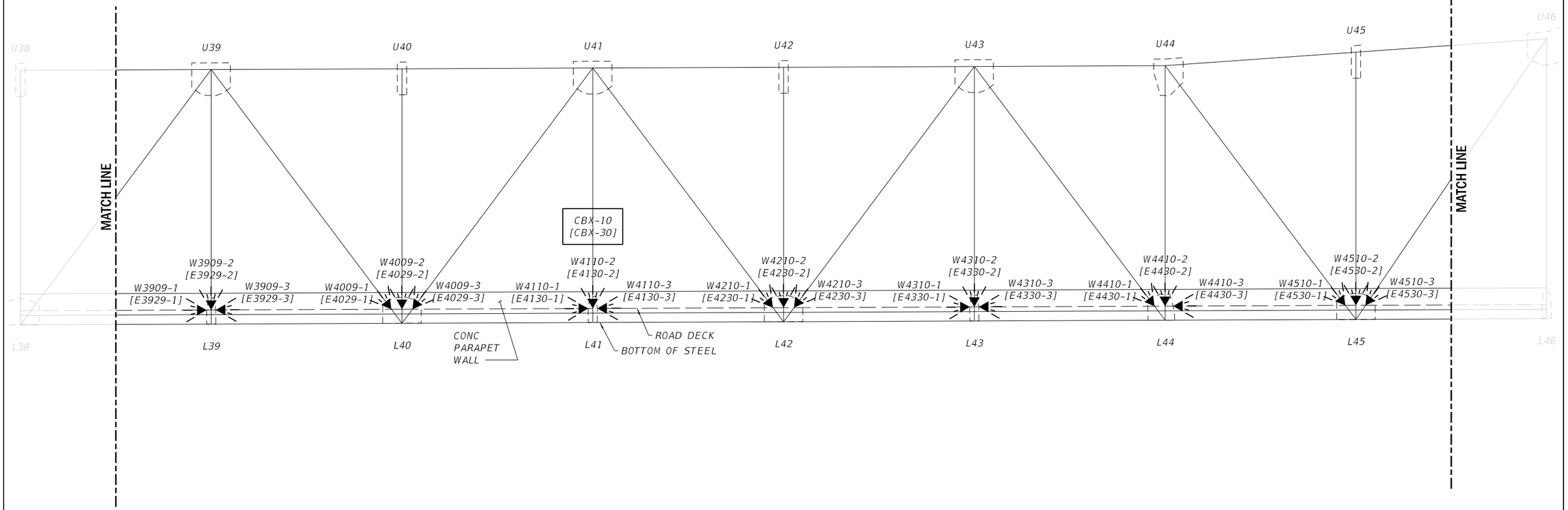
LEGEND

W0701-2
[E0721-2]
LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

CBX-##
CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7
BRIDGE TRUSS POSITION

BRIDGE MOUNTED DECORATIVE LIGHT.
SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WEST ELEVATION
(LOOKING EAST)

0 8 16

WATER (APPROX.)

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnd\no	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 24\0 '\' / ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 39 - 45
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 6 OF 11 SHEETS

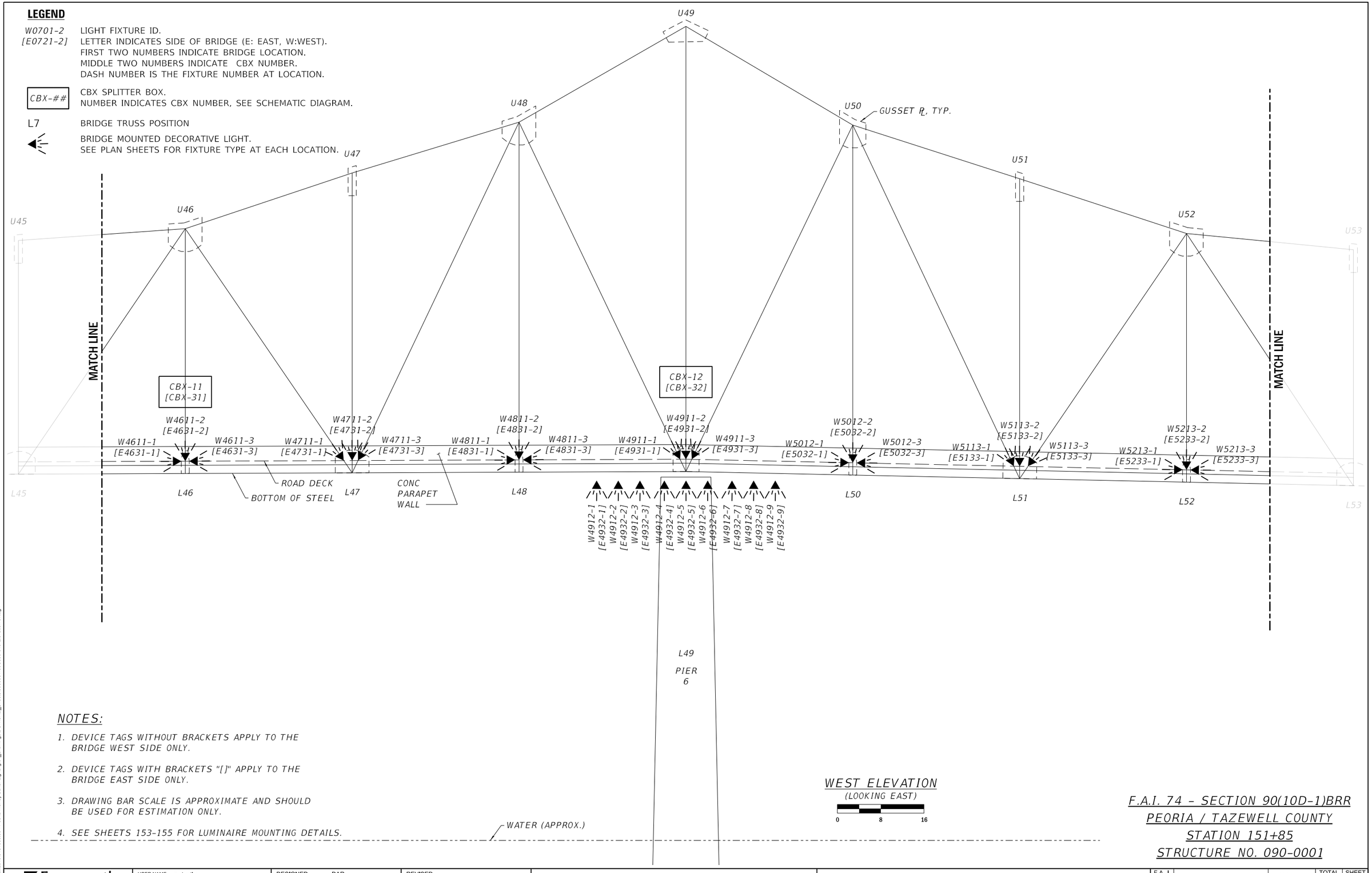
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	114
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 090000-68C890-BR_PDF_FI_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\18170693.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090000\090000-68C890-042-Elevation 06.dgn
9/18/2019 2:49:36 PM

LEGEND

W0701-2 [E0721-2]	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



WEST ELEVATION
(LOOKING EAST)

0 8 16

NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarnsino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 46 - 52
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 7 OF 11 SHEETS

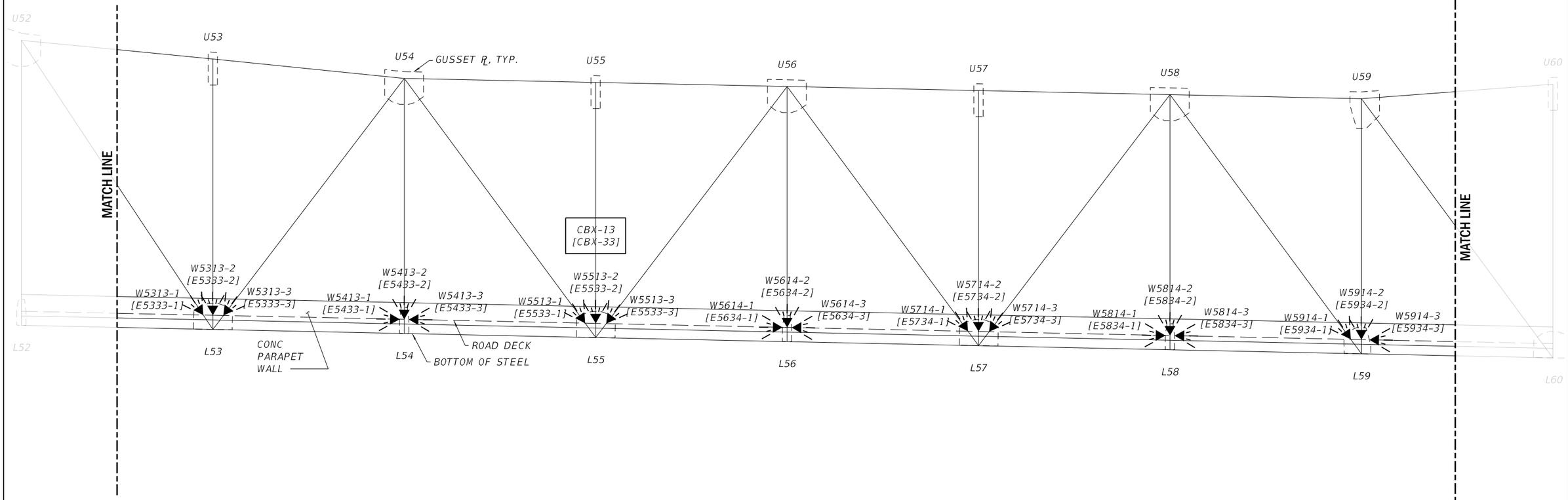
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	115

CONTRACT NO. 68C89
ILLINOIS | FED. AID PROJECT
** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\01811060\d00 • Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-443-Elevation 07.dgn
9/18/2019 2:49:37 PM

LEGEND

W0701-2 [E0721-2]	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. *DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.*
2. *DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.*
3. *DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.*
4. *SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.*

WEST ELEVATION
(LOOKING EAST)

0 8 16

WATER (APPROX.)

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-8888 / info@f-w.com

USER NAME = rlarmitno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 53 - 59
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 8 OF 11 SHEETS

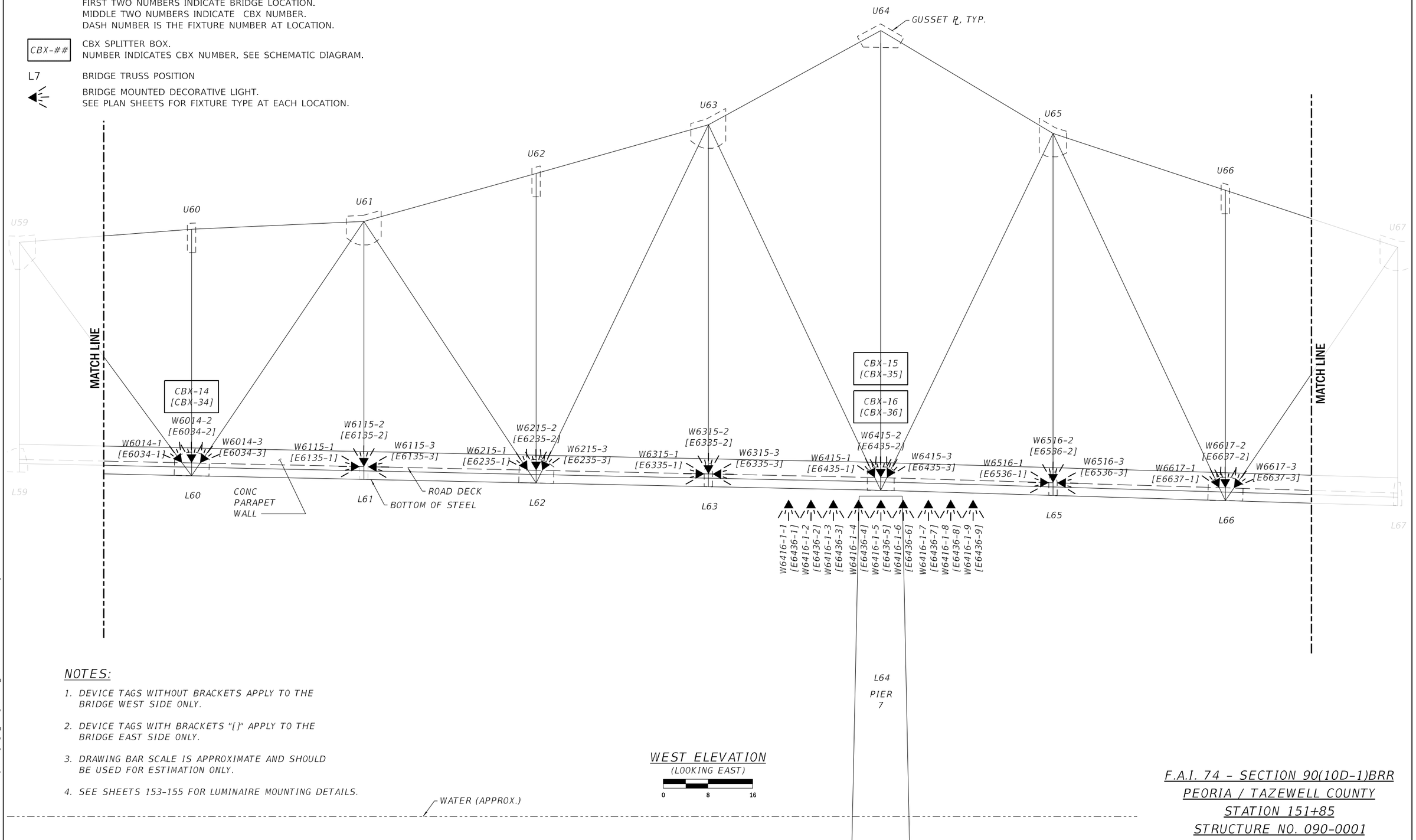
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	116
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.ctb
MODEL: SHEET
FILE NAME: J:\2018\018109\0.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89-044-Elevation 08.dgn
9/18/2019 2:49:38 PM

LEGEND

W0701-2 [E0721-2]	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WEST ELEVATION
(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnino	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 60 - 66
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 9 OF 11 SHEETS

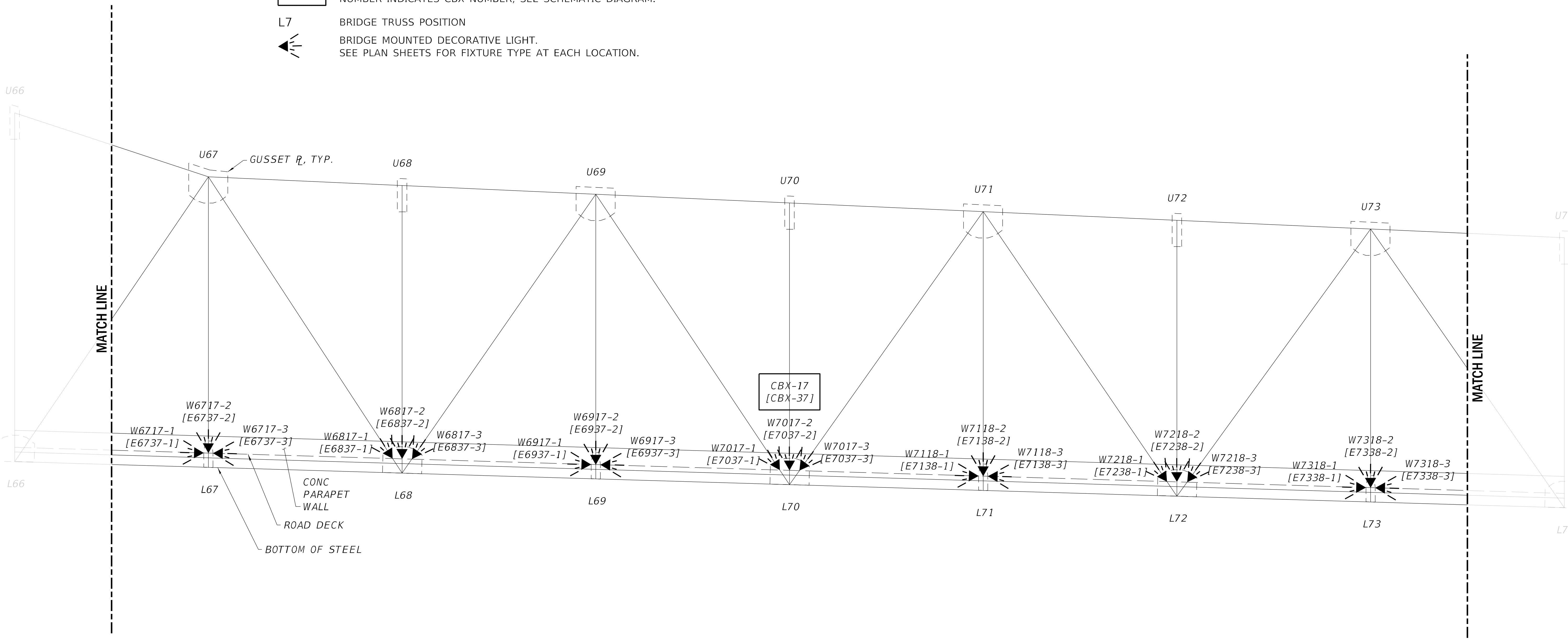
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	117
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.ctb
MODEL: SHEET
FILE NAME: J:\2019\19109500 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89\24-Elevation 09.dgn
9/18/2019 2:49:38 PM

LEGEND

W0701-2 [E0721-2]	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.
2. DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.
3. DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.
4. SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.

WATER (APPROX.)

WEST ELEVATION
(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamlino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24.0 ' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 67 - 73
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 10 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	118
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

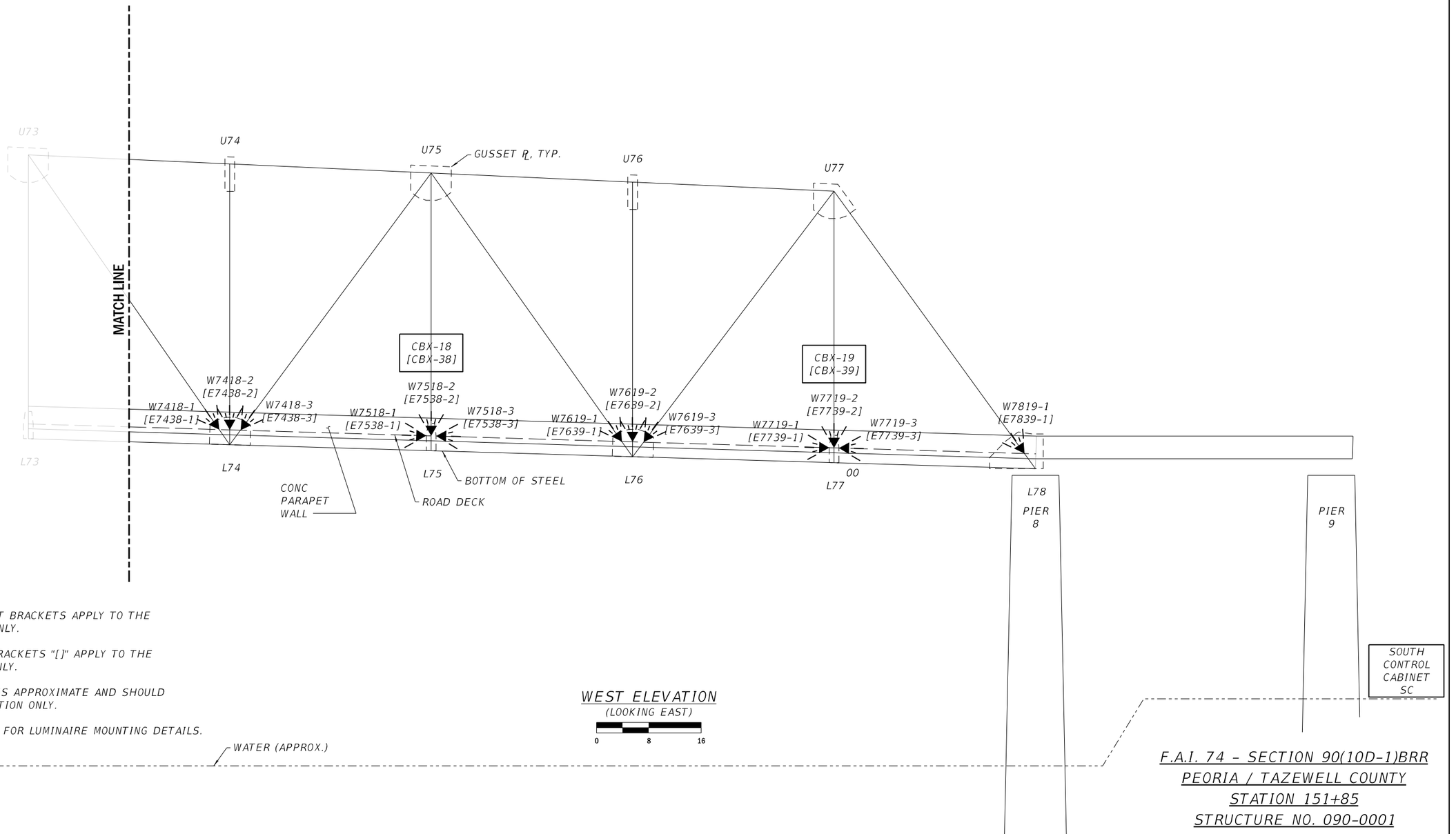
** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-046-Elevation 10.dgn

9/18/2019 2:49:39 PM

LEGEND

W0701-2 *[E0721-2]*	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
	BRIDGE MOUNTED DECORATIVE LIGHT. SEE PLAN SHEETS FOR FIXTURE TYPE AT EACH LOCATION.



NOTES:

1. *DEVICE TAGS WITHOUT BRACKETS APPLY TO THE BRIDGE WEST SIDE ONLY.*
2. *DEVICE TAGS WITH BRACKETS "[]" APPLY TO THE BRIDGE EAST SIDE ONLY.*
3. *DRAWING BAR SCALE IS APPROXIMATE AND SHOULD BE USED FOR ESTIMATION ONLY.*
4. *SEE SHEETS 153-155 FOR LUMINAIRE MOUNTING DETAILS.*

WEST ELEVATION

(LOOKING EAST)

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.stb
MODEL: SHEET
FILE NAME: J:\2018\01810690.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-047-Elevation 11.dgn
9/18/2019 2:49:40 PM

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION VIEW - POSITION 74 - 78
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 11 OF 11 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	119
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
A: HORIZONTAL COLOR WASH
B: SUPERSTRUCTURE WHITE
C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

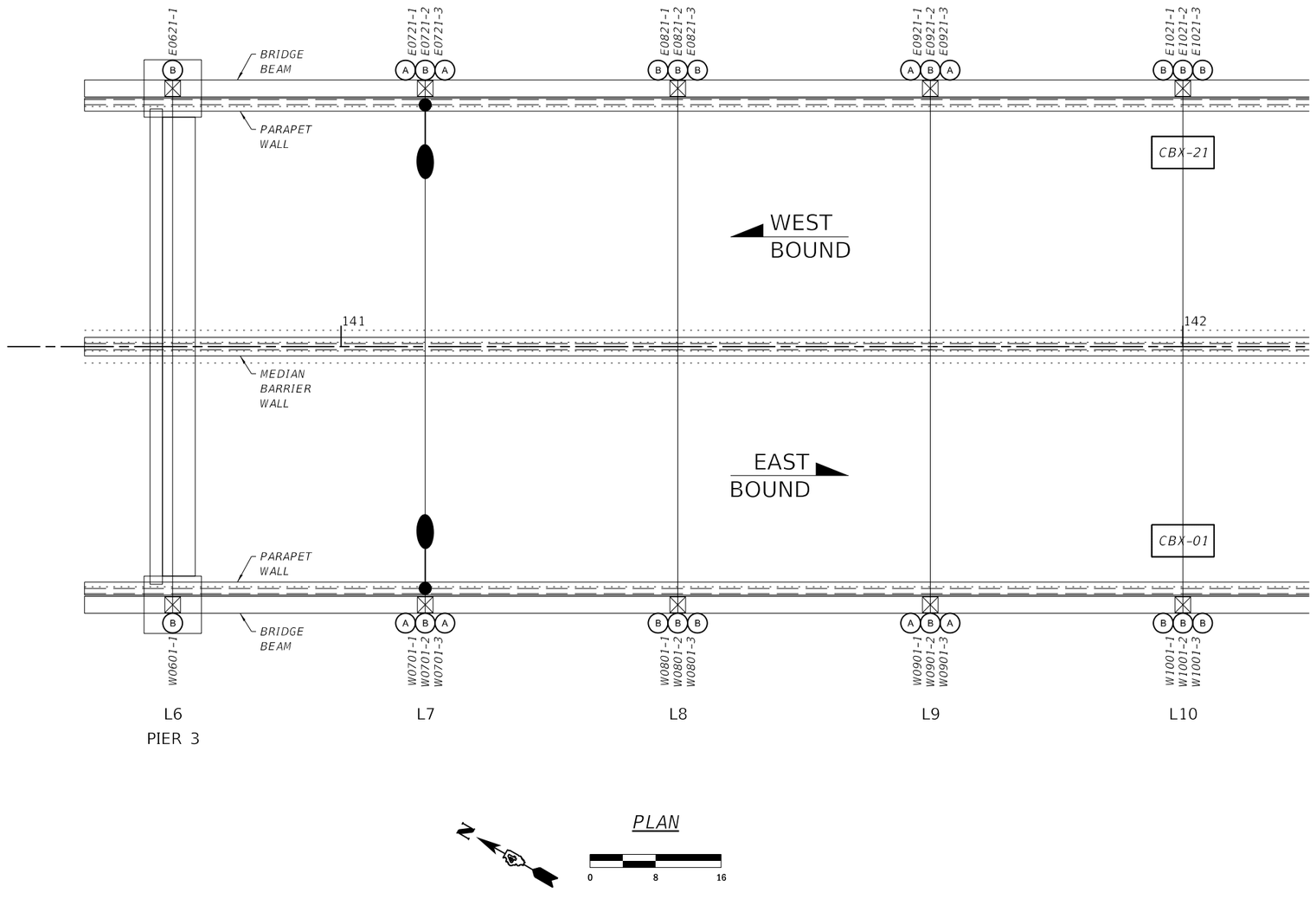
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_1I_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018110693.00 • Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-Plan 01.dgn

9/18/2019 2:49:40 PM

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

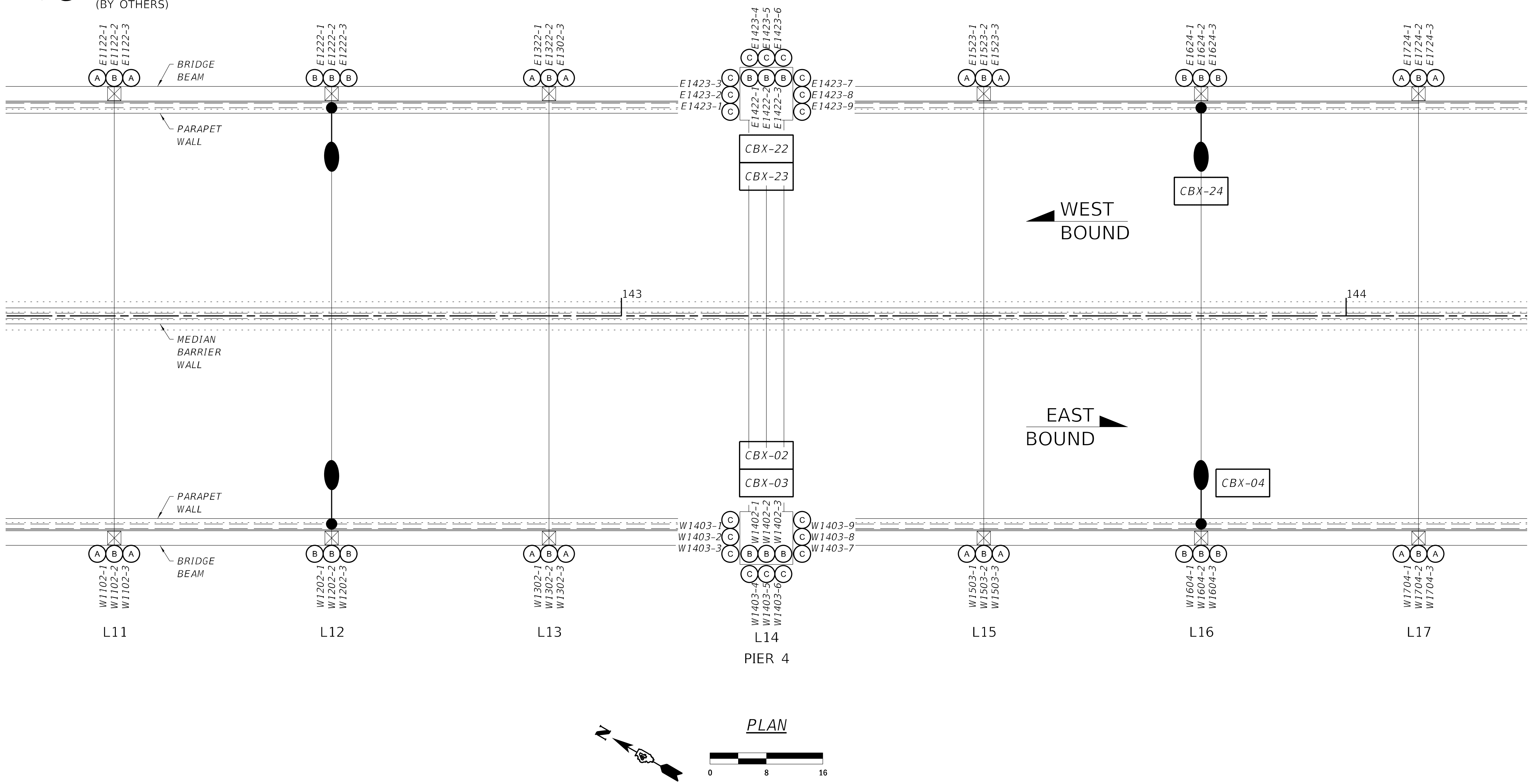
PLAN - POSITION 06 - 10
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	120
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

LEGEND

- (A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE. LETTER INDICATES FIXTURE TYPE
  - A: HORIZONTAL COLOR WASH
  - B: SUPERSTRUCTURE WHITE
  - C: PIER COLOR WASH
- *E0701-1* LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
- EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER
- ROADWAY LIGHT (BY OTHERS)
- NAVIGATION LIGHT & PLATFORM (BY OTHERS)
- *CBX-##* CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
- L7 BRIDGE TRUSS POSITION
- 162 BASELINE



PLAN

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtarntino	DESIGNED - DAR	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN - POSITION 11 - 17 MURRAY BAKER BRIDGE OVER ILLINOIS RIVER	F.A.I. RTE. 74	SECTION 90(10D-1)BRR	COUNTY **	TOTAL SHEETS 329 / SHEET NO. 121
	PLOT SCALE = 24:0 '/' / ft.	CHECKED - JDA	REVISED					CONTRACT NO. 68C89	
	PLOT DATE = 09/06/19	DRAWN - RJT	REVISED		SHEET 2 OF 11 SHEETS		ILLINOIS FED. AID PROJECT		
		CHECKED - JJO	REVISED						

** PEORIA / TAZEWELL

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
A: HORIZONTAL COLOR WASH
B: SUPERSTRUCTURE WHITE
C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

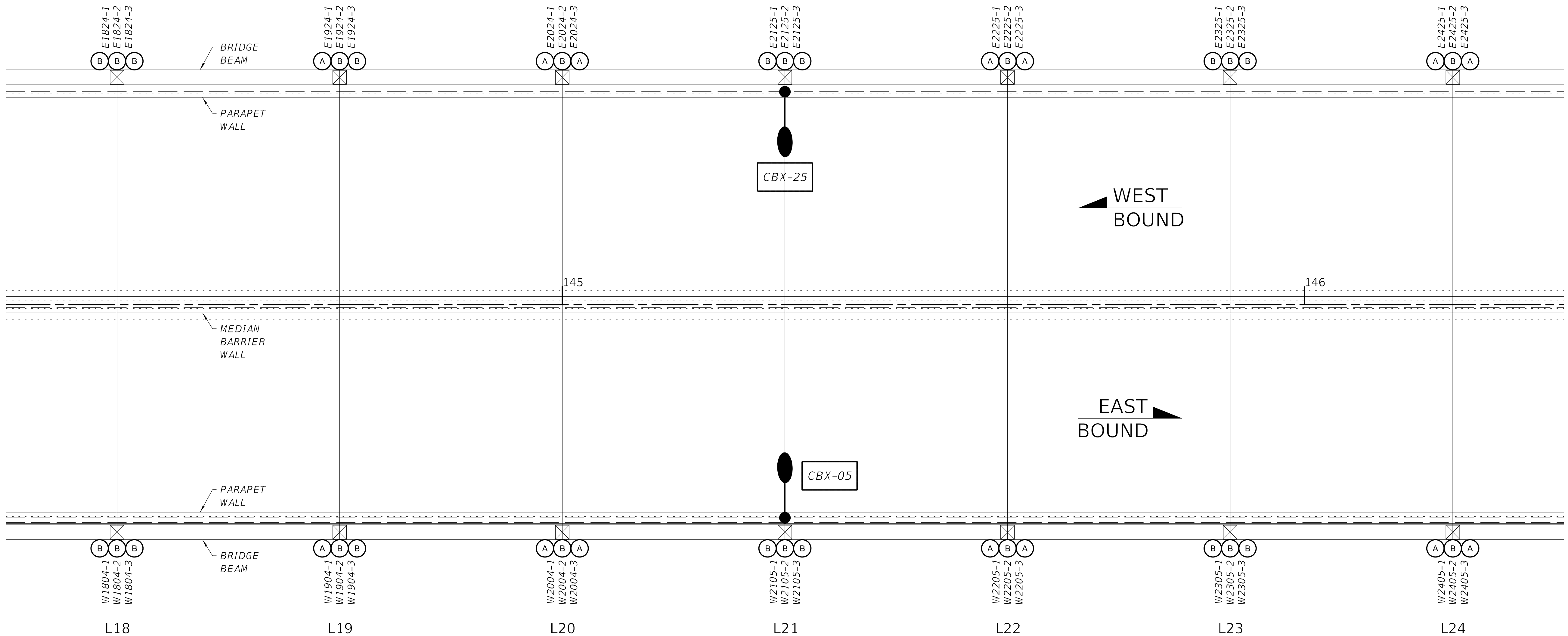
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

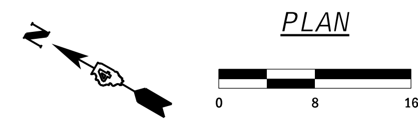
CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN



F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rlamtino	DESIGNED - DAR	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN - POSITION 18 - 24 MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
		CHECKED - JDA	REVISED		
	PLOT SCALE = 24.0 ' / ft.	DRAWN - RJT	REVISED		
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED		SHEET 3 OF 11 SHEETS

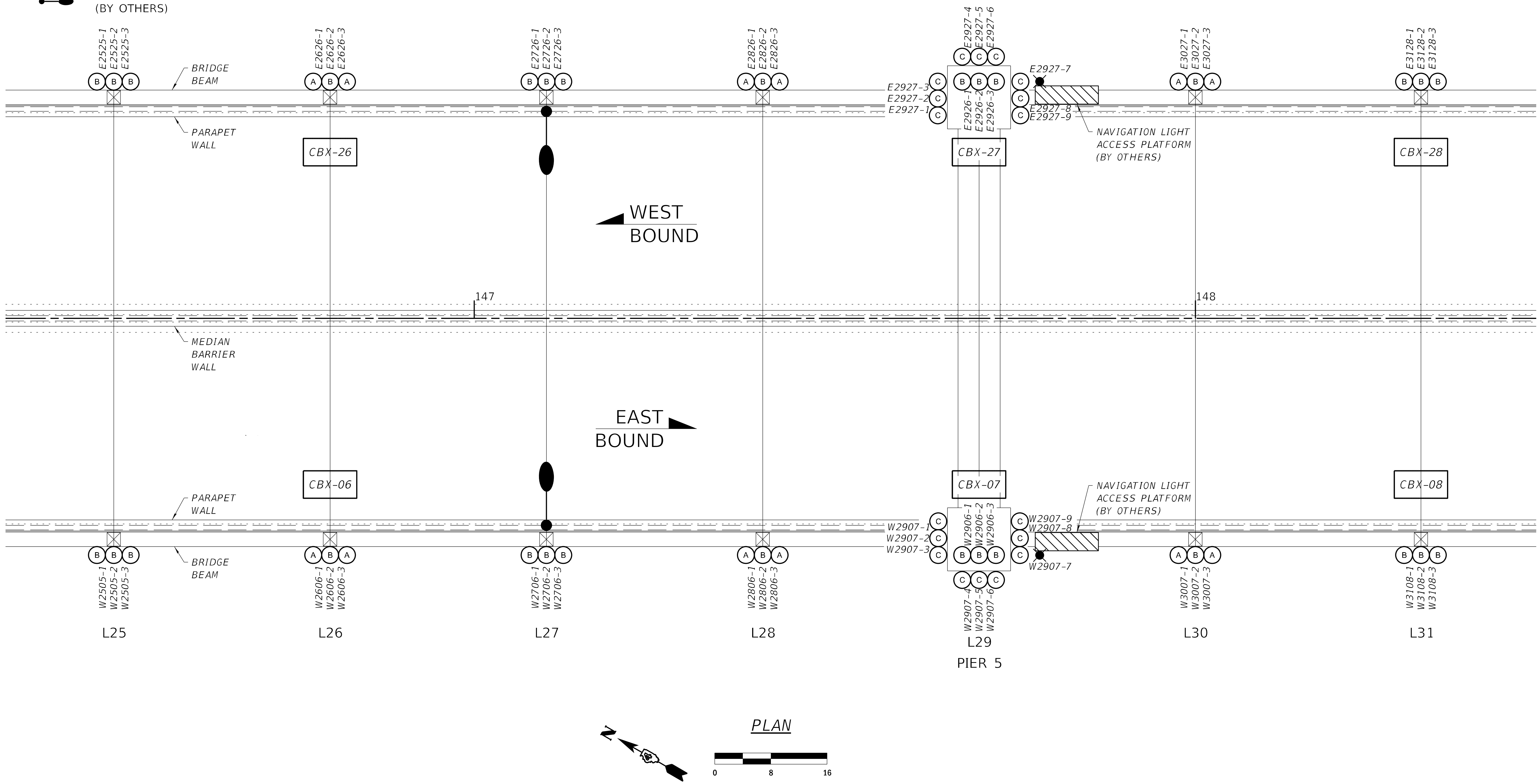
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	122
		CONTRACT NO. 68C89		
		ILLINOIS FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-061-Plan 03.dgn
9/18/2019 2:49:42 PM

LEGEND

- (A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE. LETTER INDICATES FIXTURE TYPE
  - A: HORIZONTAL COLOR WASH
  - B: SUPERSTRUCTURE WHITE
  - C: PIER COLOR WASH
- *E0701-1* LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
- EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER
- ROADWAY LIGHT (BY OTHERS)
- NAVIGATION LIGHT & PLATFORM (BY OTHERS)
- *CBX-##* CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
- L7 BRIDGE TRUSS POSITION
- 162 BASELINE



PLAN

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

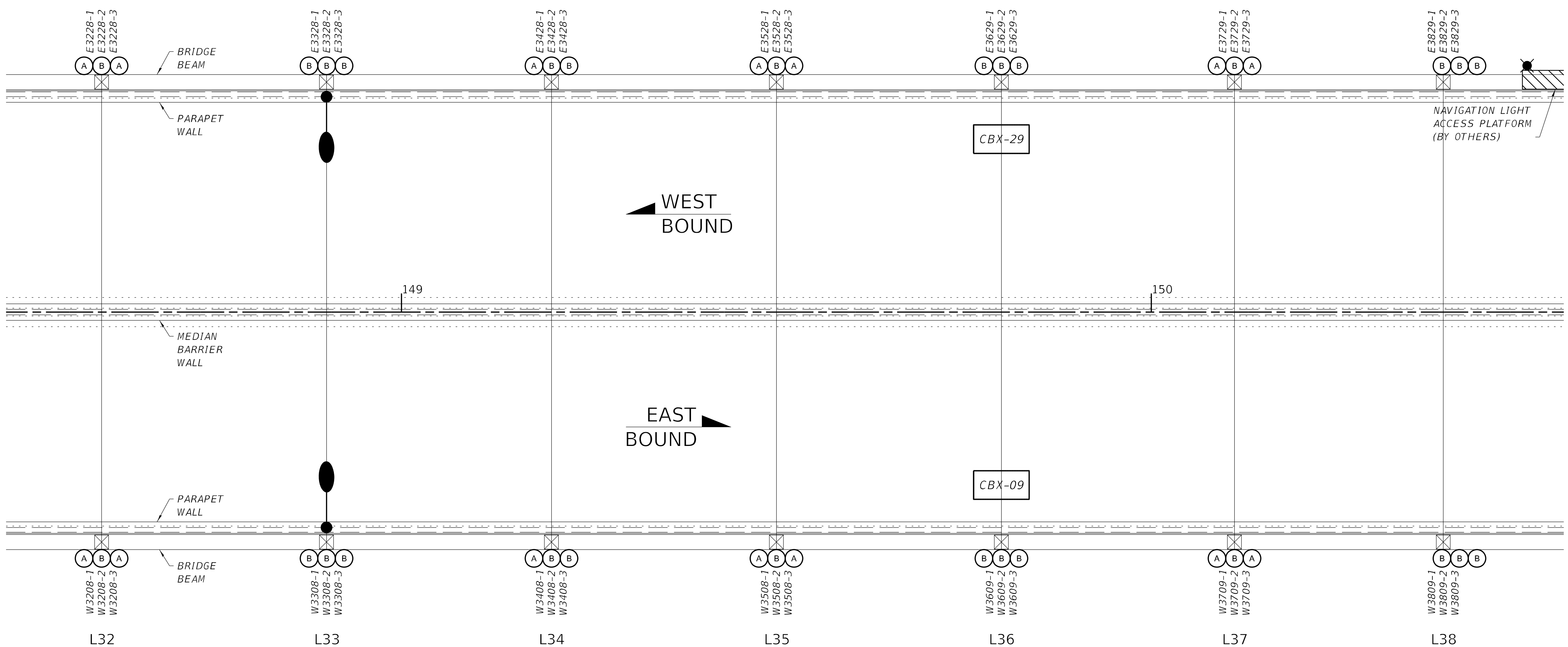
Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtamtino	DESIGNED - DAR	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN - POSITION 25 - 31 MURRAY BAKER BRIDGE OVER ILLINOIS RIVER	F.A.I. RTE. 74	SECTION 90(10D-1)BRR	COUNTY **	TOTAL SHEETS 329	SHEET NO. 123
		CHECKED - JDA	REVISED			CONTRACT NO. 68C89				
	PLOT SCALE = 24:0 '/ ft.	DRAWN - RJT	REVISED							
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED		SHEET 4 OF 11 SHEETS	ILLINOIS FED. AID PROJECT				

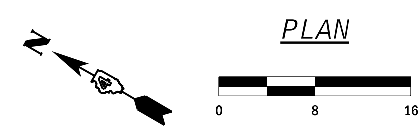
** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-062-Plan 04.dgn
9/18/2019 2:49:42 PM

LEGEND

Symbol	Description
(A)	LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE. LETTER INDICATES FIXTURE TYPE A: HORIZONTAL COLOR WASH B: SUPERSTRUCTURE WHITE C: PIER COLOR WASH
E0701-1	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
☒	EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER
●—⬬	ROADWAY LIGHT (BY OTHERS)
▨	NAVIGATION LIGHT & PLATFORM (BY OTHERS)
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
162	BASELINE





PLAN

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtamtino PLOT SCALE = 24:0 '/' / ft. PLOT DATE = 09/06/19	DESIGNED - DAR CHECKED - JDA DRAWN - RJT CHECKED - JJO	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN - POSITION 32 - 38 MURRAY BAKER BRIDGE OVER ILLINOIS RIVER SHEET 5 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	124
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-063-Plan 05.dgn
9/18/2019 2:49:43 PM

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
- A: HORIZONTAL COLOR WASH
- B: SUPERSTRUCTURE WHITE
- C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

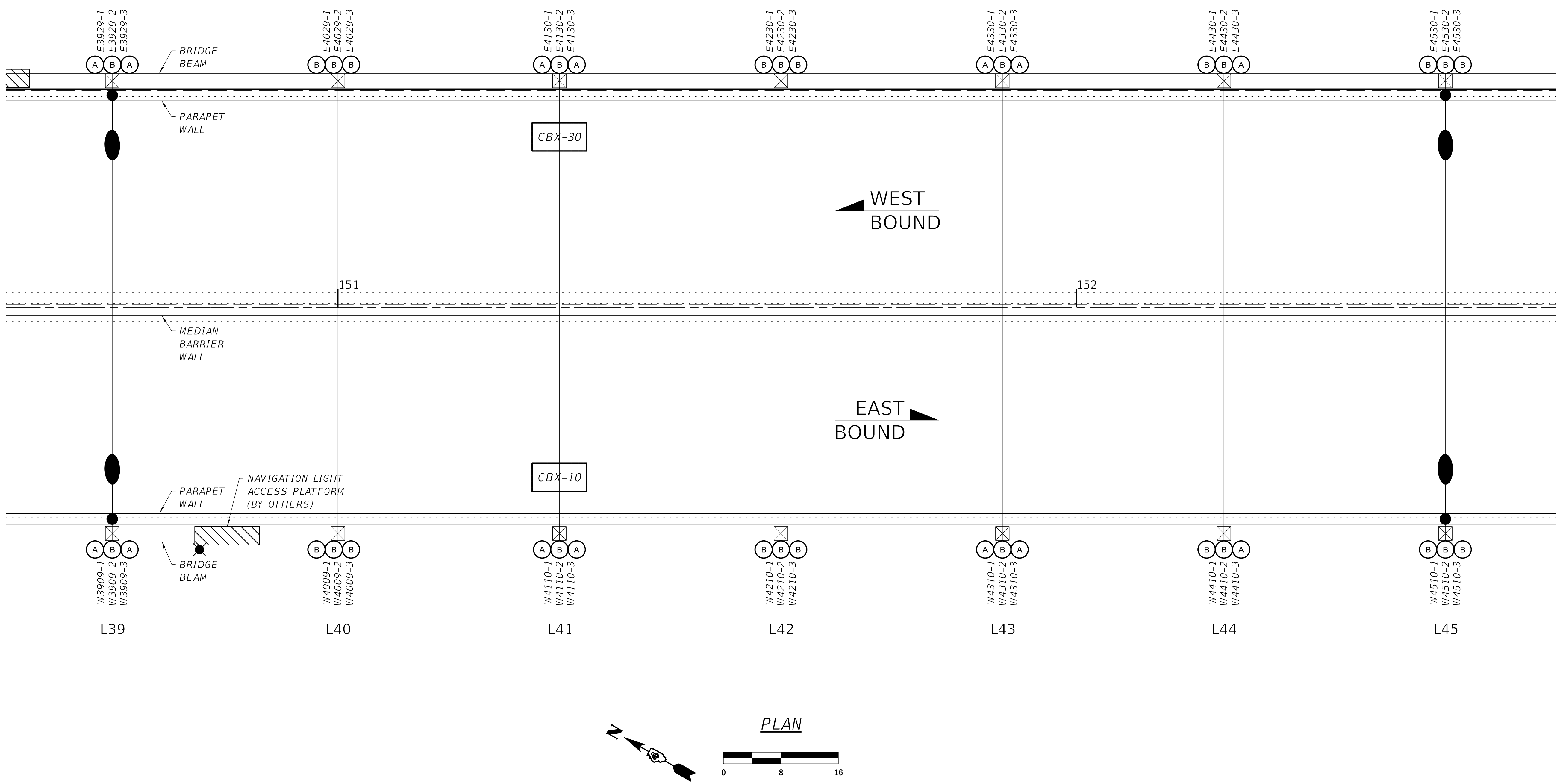
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-064-Plan 06.dgn

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarntino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24.0 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - POSITION 39 - 45
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 6 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	125
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

9/18/2019 2:49:44 PM

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
A: HORIZONTAL COLOR WASH
B: SUPERSTRUCTURE WHITE
C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

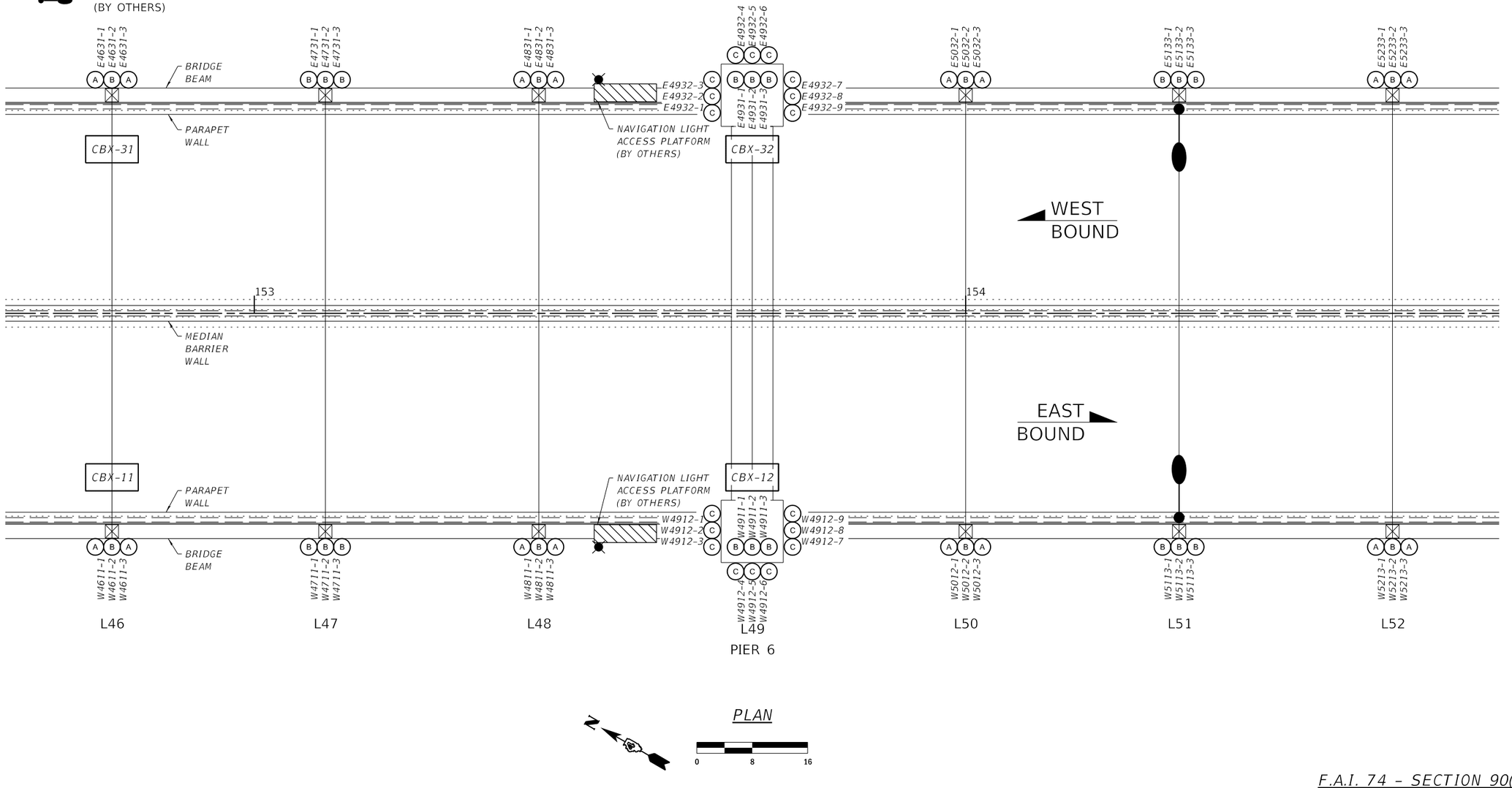
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarmtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - POSITION 46 - 52
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 7 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	126
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 090000-68C890-BR_PDF_1I_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\01810693.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\690000\1-68C890-085-Plan 07.dgn

9/18/2019 2:49:44 PM

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
A: HORIZONTAL COLOR WASH
B: SUPERSTRUCTURE WHITE
C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

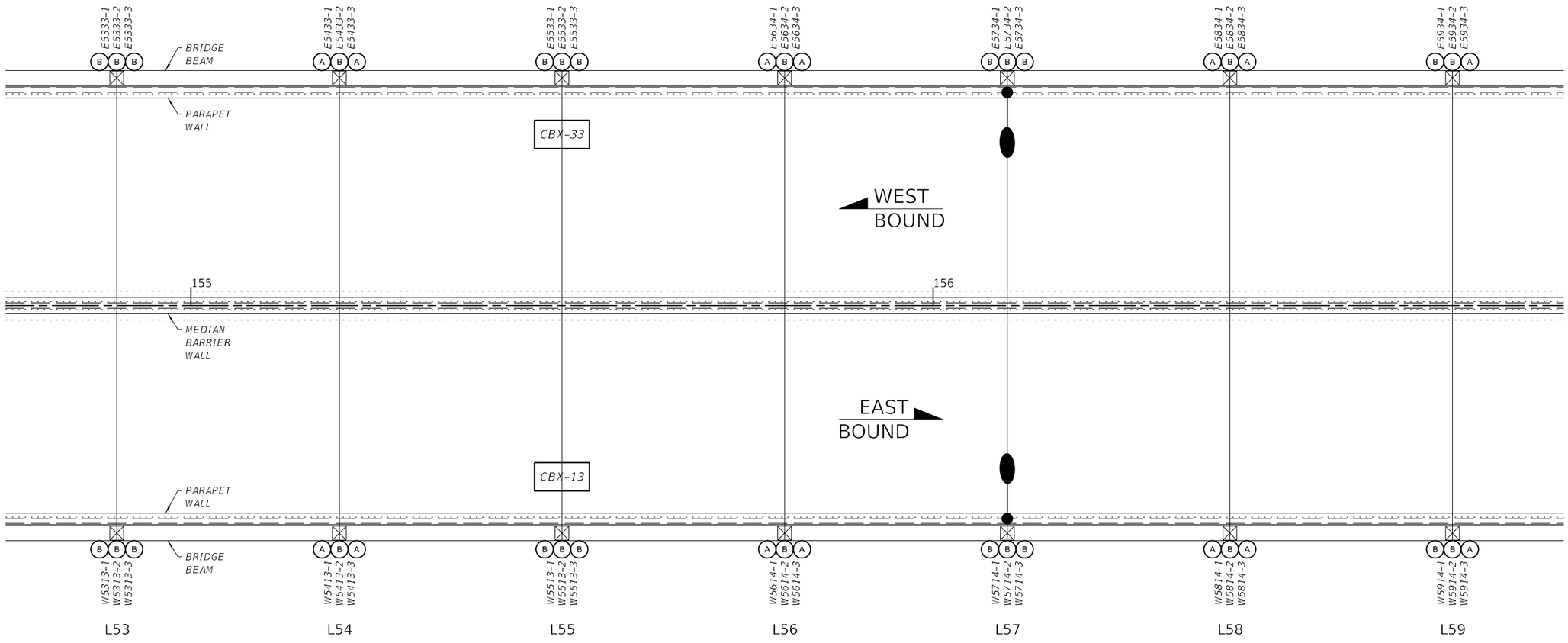
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 090000-68C890-BR_PDF_1I_MONO.pltcfg
MODEL1: SHEET
FILE NAME: J:\2019\19-1069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\690000\01-68C890-086-Plan 08.dgn

9/18/2019 2:49:45 PM

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarmtino	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - POSITION 53 - 59
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 8 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	127
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
A: HORIZONTAL COLOR WASH
B: SUPERSTRUCTURE WHITE
C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

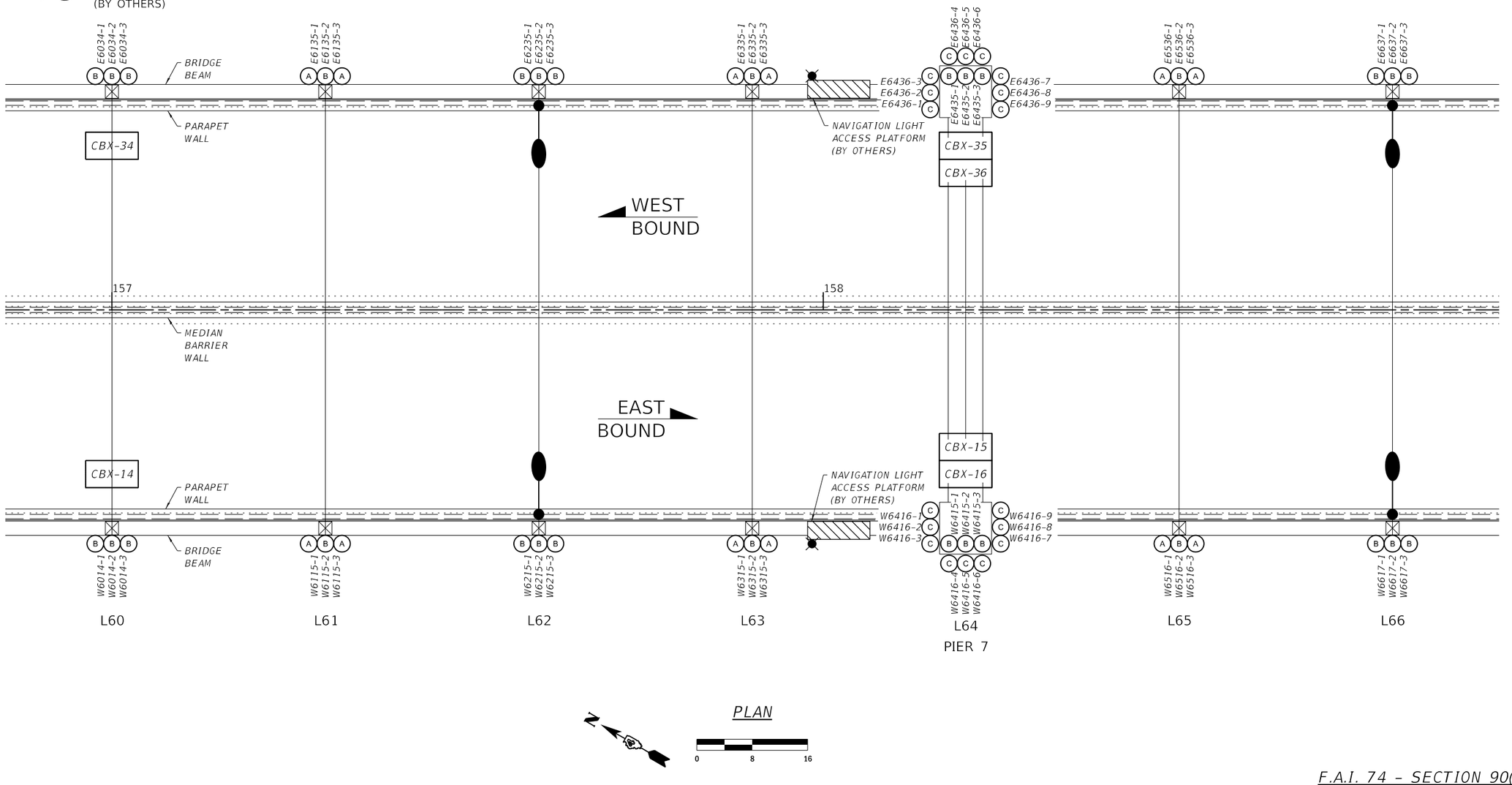
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarmtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - POSITION 60 - 66
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 9 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	128
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090000-68C89-BR_PDF_1_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\3181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\6900001-68C89-087-Plan 09.dgn
9/18/2019 2:49:45 PM

LEGEND

(A) LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE.
LETTER INDICATES FIXTURE TYPE
A: HORIZONTAL COLOR WASH
B: SUPERSTRUCTURE WHITE
C: PIER COLOR WASH

E0701-1 LIGHT FIXTURE ID.
LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST).
FIRST TWO NUMBERS INDICATE BRIDGE LOCATION.
MIDDLE TWO NUMBERS INDICATE CBX NUMBER.
DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.

EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER

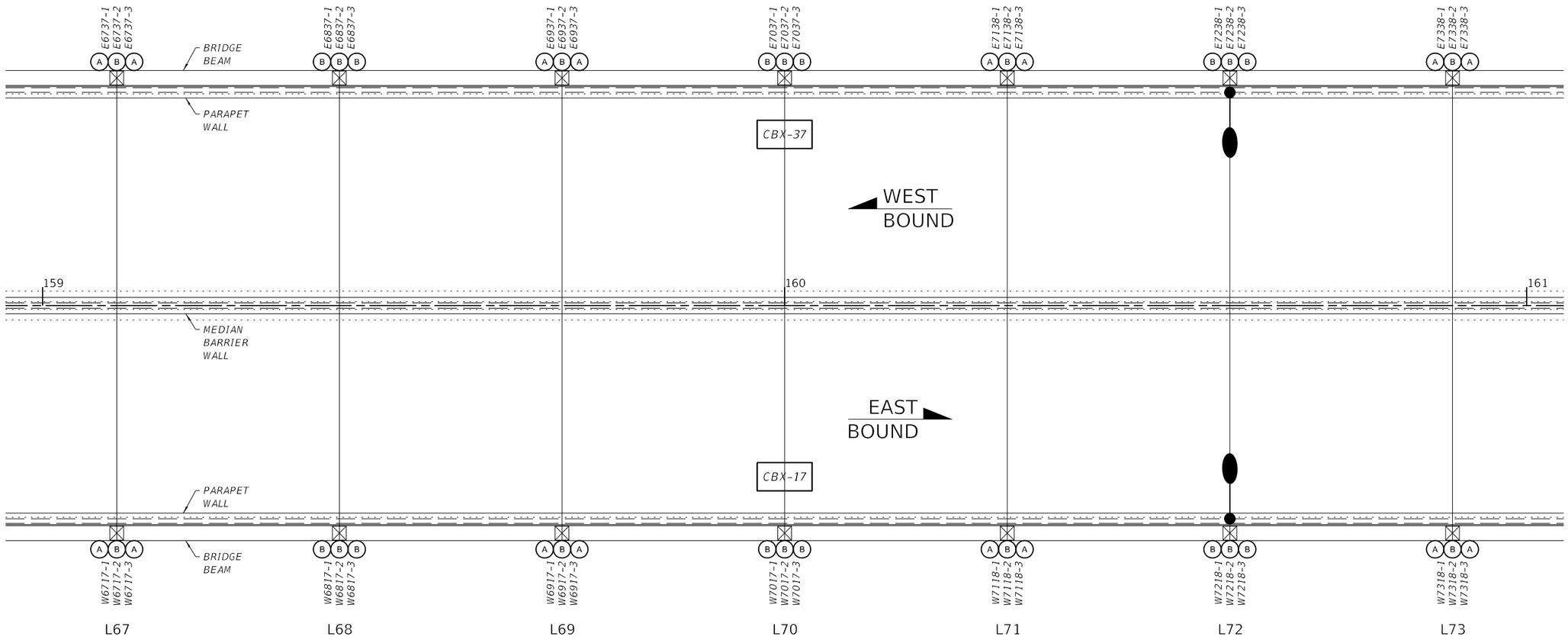
ROADWAY LIGHT (BY OTHERS)

NAVIGATION LIGHT & PLATFORM (BY OTHERS)

CBX-## CBX SPLITTER BOX.
NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.

L7 BRIDGE TRUSS POSITION

162 BASELINE



PLAN

0 8 16

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarmtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - POSITION 67 - 73
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 10 OF 11 SHEETS

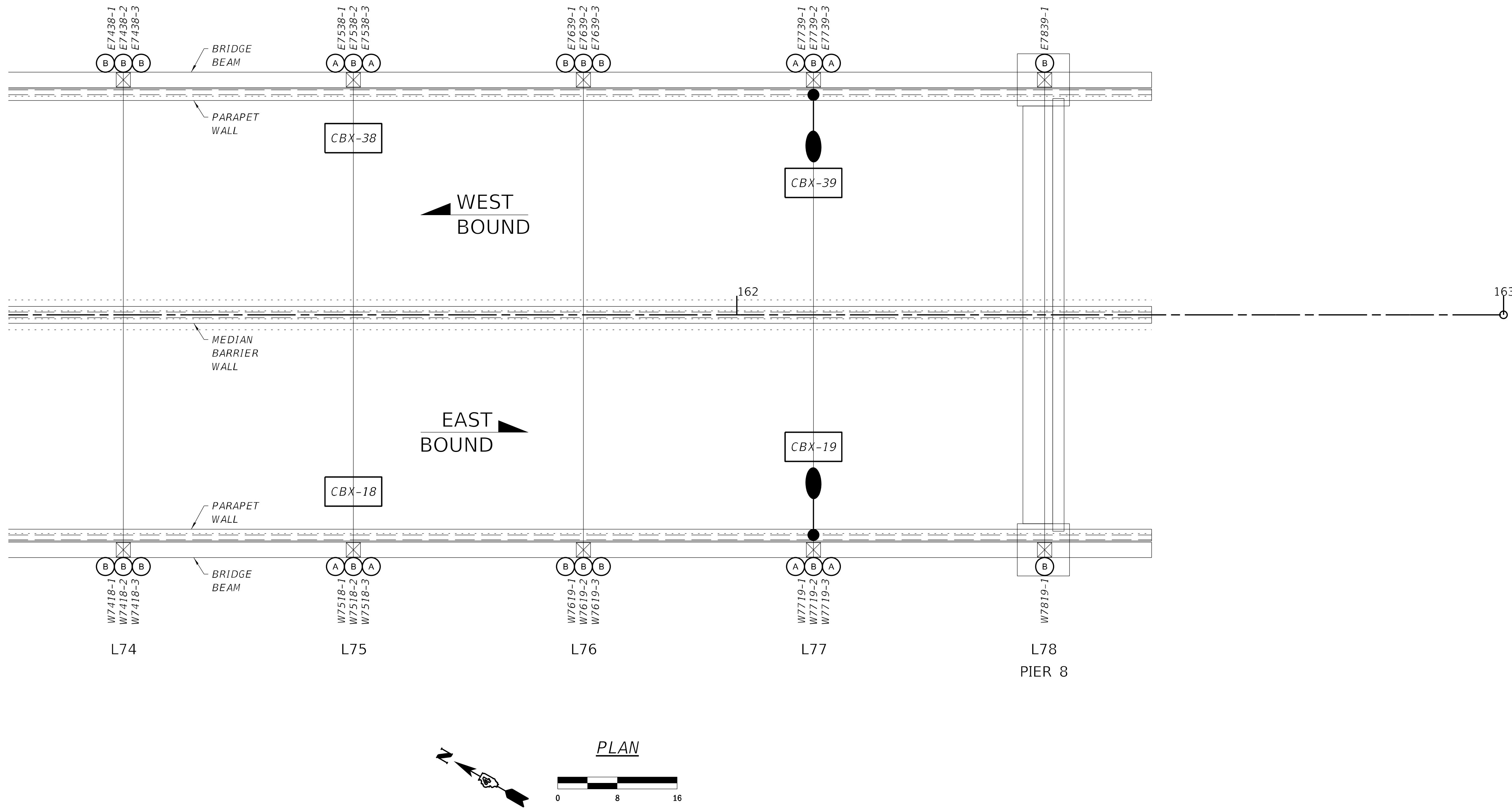
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	129
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090000-68C89-BR_PDF_1_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2019\3181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\9900001-68C89-088-Plan 10.dgn
9/18/2019 2:49:46 PM

LEGEND

(A)	LIGHT FIXTURE. SEE LUMINAIRE SCHEDULE. LETTER INDICATES FIXTURE TYPE A: HORIZONTAL COLOR WASH B: SUPERSTRUCTURE WHITE C: PIER COLOR WASH
E0701-1	LIGHT FIXTURE ID. LETTER INDICATES SIDE OF BRIDGE (E: EAST, W:WEST). FIRST TWO NUMBERS INDICATE BRIDGE LOCATION. MIDDLE TWO NUMBERS INDICATE CBX NUMBER. DASH NUMBER IS THE FIXTURE NUMBER AT LOCATION.
☒	EXISTING VERTICAL BRIDGE STRUCTURAL MEMBER
●━⬬	ROADWAY LIGHT (BY OTHERS)
▨	NAVIGATION LIGHT & PLATFORM (BY OTHERS)
CBX-##	CBX SPLITTER BOX. NUMBER INDICATES CBX NUMBER, SEE SCHEMATIC DIAGRAM.
L7	BRIDGE TRUSS POSITION
162	BASELINE



PLAN

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtamtino	DESIGNED - DAR	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN - POSITION 74 - 78 MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
		CHECKED - JDA	REVISED		
	PLOT SCALE = 24.0 ' / ft.	DRAWN - RJT	REVISED		
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED		SHEET 11 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	130
CONTRACT NO. 68C89				
ILLINOIS	FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-069-Plan 11.dgn
9/18/2019 2:49:47 PM

WIRE AND CABLE SCHEDULE

TAG	USE	CONTROLLER	FROM	TO	TYPE
D01	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-01	2-PAIR DMX 512
D02	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-02	2-PAIR DMX 512
D03	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-03	2-PAIR DMX 512
D04	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-04	2-PAIR DMX 512
D05	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-05	2-PAIR DMX 512
D06	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-06	2-PAIR DMX 512
D07	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-07	2-PAIR DMX 512
D08	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-08	2-PAIR DMX 512
D09	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-09	2-PAIR DMX 512
D10	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-10	2-PAIR DMX 512
D11	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-11	2-PAIR DMX 512
D12	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-12	2-PAIR DMX 512
D13	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-13	2-PAIR DMX 512
D14	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-14	2-PAIR DMX 512
D15	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-15	2-PAIR DMX 512
D16	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-16	2-PAIR DMX 512
D17	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-17	2-PAIR DMX 512
D18	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-18	2-PAIR DMX 512
D19	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-19	2-PAIR DMX 512
D20	**	NOT USED	**	**	
D21	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-21	2-PAIR DMX 512
D22	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-22	2-PAIR DMX 512
D23	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-23	2-PAIR DMX 512
D24	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-24	2-PAIR DMX 512
D25	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-25	2-PAIR DMX 512
D26	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-26	2-PAIR DMX 512
D27	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-27	2-PAIR DMX 512
D28	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-28	2-PAIR DMX 512
D29	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-29	2-PAIR DMX 512
D30	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-30	2-PAIR DMX 512
D31	DMX SIGNAL	NORTH	DMX CONTROLLER	CBX-31	2-PAIR DMX 512
D32	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-32	2-PAIR DMX 512
D33	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-33	2-PAIR DMX 512
D34	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-34	2-PAIR DMX 512
D35	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-35	2-PAIR DMX 512
D36	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-36	2-PAIR DMX 512
D37	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-37	2-PAIR DMX 512
D38	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-38	2-PAIR DMX 512
D39	DMX SIGNAL	SOUTH	DMX CONTROLLER	CBX-39	2-PAIR DMX 512
D40	**	NOT USED	**	**	**

WIRE AND CABLE SCHEDULE

TAG	USE	CONTROLLER	FROM	TO	TYPE
P01	CBX POWER	NORTH	CB01	CBX-01	2#8 XLP CU
P02	CBX POWER	NORTH	CB02	CBX-02	2#8 XLP CU
P03	CBX POWER	NORTH	CB03	CBX-03	2#8 XLP CU
P04	CBX POWER	NORTH	CB04	CBX-04	2#8 XLP CU
P05	CBX POWER	NORTH	CB05	CBX-05	2#8 XLP CU
P06	CBX POWER	NORTH	CB06	CBX-06	2#8 XLP CU
P07	CBX POWER	NORTH	CB07	CBX-07	2#8 XLP CU
P08	CBX POWER	NORTH	CB08	CBX-08	2#8 XLP CU
P09	CBX POWER	NORTH	CB09	CBX-09	2#8 XLP CU
P10	CBX POWER	NORTH	CB10	CBX-10	2#8 XLP CU
P11	CBX POWER	NORTH	CB11	CBX-11	2#8 XLP CU
P12	CBX POWER	SOUTH	CB12	CBX-12	2#8 XLP CU
P13	CBX POWER	SOUTH	CB13	CBX-13	2#8 XLP CU
P14	CBX POWER	SOUTH	CB14	CBX-14	2#8 XLP CU
P15	CBX POWER	SOUTH	CB15	CBX-15	2#8 XLP CU
P16	CBX POWER	SOUTH	CB16	CBX-16	2#8 XLP CU
P17	CBX POWER	SOUTH	CB17	CBX-17	2#8 XLP CU
P18	CBX POWER	SOUTH	CB18	CBX-18	2#8 XLP CU
P19	CBX POWER	SOUTH	CB19	CBX-19	2#8 XLP CU
P20	**	NOT USED	**	**	**
P21	CBX POWER	NORTH	CB21	CBX-21	2#8 XLP CU
P22	CBX POWER	NORTH	CB22	CBX-22	2#8 XLP CU
P23	CBX POWER	NORTH	CB23	CBX-23	2#8 XLP CU
P24	CBX POWER	NORTH	CB24	CBX-24	2#8 XLP CU
P25	CBX POWER	NORTH	CB25	CBX-25	2#8 XLP CU
P26	CBX POWER	NORTH	CB26	CBX-26	2#8 XLP CU
P27	CBX POWER	NORTH	CB27	CBX-27	2#8 XLP CU
P28	CBX POWER	NORTH	CB28	CBX-28	2#8 XLP CU
P29	CBX POWER	NORTH	CB29	CBX-29	2#8 XLP CU
P30	CBX POWER	NORTH	CB30	CBX-30	2#8 XLP CU
P31	CBX POWER	NORTH	CB31	CBX-31	2#8 XLP CU
P32	CBX POWER	SOUTH	CB32	CBX-32	2#8 XLP CU
P33	CBX POWER	SOUTH	CB33	CBX-33	2#8 XLP CU
P34	CBX POWER	SOUTH	CB34	CBX-34	2#8 XLP CU
P35	CBX POWER	SOUTH	CB35	CBX-35	2#8 XLP CU
P36	CBX POWER	SOUTH	CB36	CBX-36	2#8 XLP CU
P37	CBX POWER	SOUTH	CB37	CBX-37	2#8 XLP CU
P38	CBX POWER	SOUTH	CB38	CBX-38	2#8 XLP CU
P39	CBX POWER	SOUTH	CB39	CBX-39	2#8 XLP CU
P40	**	NOT USED	**	**	
G	POWER CIRCUIT EQUIPMENT GROUND	ASSOCIATED CONTROLLER CABINET	CONTROLLER GROUND BAR	COMMON EQUIPMENT GROUND TO CBX BOXES	1#8 XLP CU
F**	FIXTURE POWER	ASSOCIATED CONTROLLER CABINET	ASSOCIATED CBX BOX	LIGHT FIXTURE JUNCTION BOX	2#14, 1#14G XLP CU

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarnt\no	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 24\0 ':' / ft.	DRAWN - TRH	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE AND CABLE
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	131
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018106\5.00 - Peoria Murray Baker\Lighting\04_Drawings\DGN\C4D_Sheets\6900001-68C89-071-Wire and Cable Schedule.dgn
9/18/2019 2:49:47 PM

CONDUIT SCHEDULE						
TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD01	DMX SIGNAL	D01, D02, D03, D04, D05, D06, D07, D08, D09, D10, D11	North Controller	WJ14-5	2"	RGS
CD02	DMX SIGNAL	D01	WJ14-5	CBX-01	2"	RGS
CD03	DMX SIGNAL	D04, D05, D06, D07, D08, D09, D10, D11	WJ14-5	WJ16-2	2"	RGS
CD04	DMX SIGNAL	D05, D06, D07, D08, D09, D10, D11	WJ16-2	WJ21-2	2"	RGS
CD05	DMX SIGNAL	D06, D07, D08, D09, D10, D11	WJ21-2	WJ26-2	2"	RGS
CD06	DMX SIGNAL	D07, D08, D09, D10, D11	WJ26-2	WJ29-5	2"	RGS
CD07	DMX SIGNAL	D08, D09, D10, D11	WJ29-5	WJ31-2	2"	RGS
CD08	DMX SIGNAL	D09, D10, D11	WJ31-2	WJ36-2	2"	RGS
CD09	DMX SIGNAL	D10, D11	WJ36-2	WJ41-2	2"	RGS
CD10	DMX SIGNAL	D11	WJ41-2	CBX-11	2"	RGS
CD0101	DMX SIGNAL	D01	CBX-01	WJ10	3/4"	RGS
CD0102	DMX SIGNAL	D01	WJ10	WJ09	3/4"	RGS
CD0103	DMX SIGNAL	D01	WJ09	WJ08	3/4"	RGS
CD0104	DMX SIGNAL	D01	WJ08	WJ07	3/4"	RGS
CD0105	DMX SIGNAL	D01	WJ07	WJ06	3/4"	RGS
CD0201	DMX SIGNAL	D02	WJ14-5	CBX-02	3/4"	RGS
CD0202	DMX SIGNAL	D02	CBX-02	WJ14-1	3/4"	RGS
CD0203	DMX SIGNAL	D02	WJ14-1	WJ13	3/4"	RGS
CD0204	DMX SIGNAL	D02	WJ13	WJ12	3/4"	RGS
CD0205	DMX SIGNAL	D02	WJ12	WJ11	3/4"	RGS
CD0301	DMX SIGNAL	D03	WJ14-5	CBX-03	3/4"	RGS
CD0302	DMX SIGNAL	D03	CBX-03	WJ15	3/4"	RGS
CD0303	DMX SIGNAL	D03	CBX-03	WJ14-4	3/4"	RGS
CD0304	DMX SIGNAL	D03	WJ14-4	WJ14-3	3/4"	RGS
CD0305	DMX SIGNAL	D03	WJ14-3	WJ14-2	3/4"	RGS
CD0401	DMX SIGNAL	D04	WJ16-2	CBX-04	3/4"	RGS
CD0402	DMX SIGNAL	D04	CBX-04	WJ16-1	3/4"	RGS
CD0403	DMX SIGNAL	D04	WJ16-1	WJ17	3/4"	RGS
CD0404	DMX SIGNAL	D04	WJ17	WJ18	3/4"	RGS
CD0405	DMX SIGNAL	D04	WJ18	WJ19	3/4"	RGS
CD0406	DMX SIGNAL	D04	WJ19	WJ20	3/4"	RGS
CD0501	DMX SIGNAL	D05	WJ21-2	CBX-05	3/4"	RGS
CD0502	DMX SIGNAL	D05	CBX-05	WJ21-1	3/4"	RGS
CD0503	DMX SIGNAL	D05	WJ21-1	WJ22	3/4"	RGS
CD0504	DMX SIGNAL	D05	WJ22	WJ23	3/4"	RGS
CD0505	DMX SIGNAL	D05	WJ23	WJ24	3/4"	RGS
CD0506	DMX SIGNAL	D05	WJ24	WJ25	3/4"	RGS

CONDUIT SCHEDULE						
TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD0601	DMX SIGNAL	D06	WJ26-2	CBX-06	3/4"	RGS
CD0602	DMX SIGNAL	D06	CBX-06	WJ26-1	3/4"	RGS
CD0603	DMX SIGNAL	D06	WJ26-1	WJ27	3/4"	RGS
CD0604	DMX SIGNAL	D06	WJ27	WJ28	3/4"	RGS
CD0605	DMX SIGNAL	D06	WJ28	WJ29-1	3/4"	RGS
CD0701	DMX SIGNAL	D07	WJ29-5	CBX-07	3/4"	RGS
CD0702	DMX SIGNAL	D07	CBX-07	WJ30	3/4"	RGS
CD0703	DMX SIGNAL	D07	CBX-07	WJ29-4	3/4"	RGS
CD0704	DMX SIGNAL	D07	WJ29-4	WJ29-3	3/4"	RGS
CD0705	DMX SIGNAL	D07	WJ29-3	WJ29-2	3/4"	RGS
	DMX SIGNAL					
CD0801		D08	WJ31-2	CBX-08	3/4"	RGS
CD0802	DMX SIGNAL	D08	CBX-08	WJ31-1	3/4"	RGS
CD0803	DMX SIGNAL	D08	WJ31-1	WJ32	3/4"	RGS
CD0804	DMX SIGNAL	D08	WJ32	WJ33	3/4"	RGS
CD0805	DMX SIGNAL	D08	WJ33	WJ34	3/4"	RGS
CD0806	DMX SIGNAL	D08	WJ34	WJ35	3/4"	RGS
CD0901	DMX SIGNAL	D09	WJ36-2	CBX-09	3/4"	RGS
CD0902	DMX SIGNAL	D09	CBX-09	WJ36-1	3/4"	RGS
CD0903	DMX SIGNAL	D09	WJ36-1	WJ37	3/4"	RGS
CD0904	DMX SIGNAL	D09	WJ37	WJ38	3/4"	RGS
CD0905	DMX SIGNAL	D09	WJ38	WJ39	3/4"	RGS
CD0906	DMX SIGNAL	D09	WJ39	WJ40	3/4"	RGS
CD1001	DMX SIGNAL	D10	WJ41-2	CBX-10	3/4"	RGS
CD1002	DMX SIGNAL	D10	CBX-10	WJ41-1	3/4"	RGS
CD1003	DMX SIGNAL	D10	WJ41-1	WJ42	3/4"	RGS
CD1004	DMX SIGNAL	D10	WJ42	WJ43	3/4"	RGS
CD1005	DMX SIGNAL	D10	WJ43	WJ44	3/4"	RGS
CD1006	DMX SIGNAL	D10	WJ44	WJ45	3/4"	RGS
CD1101	DMX SIGNAL	D11	CBX-11	WJ46	3/4"	RGS
CD1102	DMX SIGNAL	D11	WJ46	WJ47	3/4"	RGS
CD1103	DMX SIGNAL	D11	WJ47	WJ48	3/4"	RGS
CD1104	DMX SIGNAL	D11	WJ48	WJ49-1	3/4"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP01	CBX POWER	P01, P02, P03, P04, P05, P06, P07, P08, P09, P10, P11, G	North Controller	WJ14-6	2"	RGS
CP02	CBX POWER	P01, G	WJ14-6	CBX-01	2"	RGS
CP03	CBX POWER	P04, P05, P06, P07, P08, P09, P10, P11, G	WJ14-6	WJ16-3	2"	RGS
CP04	CBX POWER	P05, P06, P07, P08, P09, P10, P11, G	WJ16-3	WJ21-3	2"	RGS
CP05	CBX POWER	P06, P07, P08, P09, P10, P11, G	WJ21-3	WJ26-3	2"	RGS
CP06	CBX POWER	P07, P08, P09, P10, P11, G	WJ26-3	WJ29-6	2"	RGS
CP07	CBX POWER	P08, P09, P10, P11, G	WJ29-6	WJ31-3	2"	RGS
CP08	CBX POWER	P09, P10, P11, G	WJ31-3	WJ36-3	2"	RGS
CP09	CBX POWER	P10, P11, G	WJ36-3	WJ41-3	2"	RGS
CP10	CBX POWER	P11, G	WJ41-3	CBX-11	2"	RGS
CP0101	FIX POWER	F01	CBX-01	WJ10	3/4"	RGS
CP0102	FIX POWER	F01	WJ10	WJ09	3/4"	RGS
CP0103	FIX POWER	F01	WJ09	WJ08	3/4"	RGS
CP0104	FIX POWER	F01	WJ08	WJ07	3/4"	RGS
CP0105	FIX POWER	F01	WJ07	WJ06	3/4"	RGS
CP0201	CBX POWER	P02, G	WJ14-6	CBX-02	3/4"	RGS
CP0202	FIX POWER	F02	CBX-02	WJ14-1	3/4"	RGS
CP0203	FIX POWER	F02	WJ14-1	WJ13	3/4"	RGS
CP0204	FIX POWER	F02	WJ13	WJ12	3/4"	RGS
CP0205	FIX POWER	F02	WJ12	WJ11	3/4"	RGS
CP0301	CBX POWER	P03, G	WJ14-6	CBX-03	3/4"	RGS
CP0302	FIX POWER	F03	CBX-03	WJ15	3/4"	RGS
CP0303	FIX POWER	F03	CBX-03	WJ14-4	3/4"	RGS
CP0304	FIX POWER	F03	WJ14-4	WJ14-3	3/4"	RGS
CP0305	FIX POWER	F03	WJ14-3	WJ14-2	3/4"	RGS
CP0401	CBX POWER	P04,G	WJ16-3	CBX-04	3/4"	RGS
CP0402	FIX POWER	F04	CBX-04	WJ16-1	3/4"	RGS
CP0403	FIX POWER	F04	WJ16-1	WJ17	3/4"	RGS
CP0404	FIX POWER	F04	WJ17	WJ18	3/4"	RGS
CP0405	FIX POWER	F04	WJ18	WJ19	3/4"	RGS
CP0406	FIX POWER	F04	WJ19	WJ20	3/4"	RGS
CP0501	CBX POWER	P05, G	WJ21-3	CBX-05	3/4"	RGS
CP0502	FIX POWER	F05	CBX-05	WJ21-1	3/4"	RGS
CP0503	FIX POWER	F05	WJ21-1	WJ22	3/4"	RGS
CP0504	FIX POWER	F05	WJ22	WJ23	3/4"	RGS
CP0505	FIX POWER	F05	WJ23	WJ24	3/4"	RGS
CP0506	FIX POWER	F05	WJ24	WJ25	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP0601	CBX POWER	P06, G	WJ26-3	CBX-06	3/4"	RGS
CP0602	FIX POWER	F06	CBX-06	WJ26-1	3/4"	RGS
CP0603	FIX POWER	F06	WJ26-1	WJ27	3/4"	RGS
CP0604	FIX POWER	F06	WJ27	WJ28	3/4"	RGS
CP0605	FIX POWER	F06	WJ28	WJ29-1	3/4"	RGS
CP0701	CBX POWER	P07, G	WJ29-6	CBX-07	3/4"	RGS
CP0702	FIX POWER	F07	CBX-07	WJ30	3/4"	RGS
CP0703	FIX POWER	F07	CBX-07	WJ29-4	3/4"	RGS
CP0704	FIX POWER	F07	WJ29-4	WJ29-3	3/4"	RGS
CP0705	FIX POWER	F07	WJ29-3	WJ29-2	3/4"	RGS
CP0801	CBX POWER	P08, G	WJ31-3	CBX-08	3/4"	RGS
CP0802	FIX POWER	F08	CBX-08	WJ31-1	3/4"	RGS
CP0803	FIX POWER	F08	WJ31-1	WJ32	3/4"	RGS
CP0804	FIX POWER	F08	WJ32	WJ33	3/4"	RGS
CP0805	FIX POWER	F08	WJ33	WJ34	3/4"	RGS
CP0806	FIX POWER	F08	WJ34	WJ35	3/4"	RGS
CP0901	CBX POWER	P09, G	WJ36-3	CBX-09	3/4"	RGS
CP0902	FIX POWER	F09	CBX-09	WJ36-1	3/4"	RGS
CP0903	FIX POWER	F09	WJ36-1	WJ37	3/4"	RGS
CP0904	FIX POWER	F09	WJ37	WJ38	3/4"	RGS
CP0905	FIX POWER	F09	WJ38	WJ39	3/4"	RGS
CP0906	FIX POWER	F09	WJ39	WJ40	3/4"	RGS
CP1001	CBX POWER	P10, G	WJ41-3	CBX-10	3/4"	RGS
CP1002	FIX POWER	F10	CBX-10	WJ41-1	3/4"	RGS
CP1003	FIX POWER	F10	WJ41-1	WJ42	3/4"	RGS
CP1004	FIX POWER	F10	WJ42	WJ43	3/4"	RGS
CP1005	FIX POWER	F10	WJ43	WJ44	3/4"	RGS
CP1006	FIX POWER	F10	WJ44	WJ45	3/4"	RGS
CP1101	FIX POWER	F11	CBX-11	WJ46	3/4"	RGS
CP1102	FIX POWER	F11	WJ46	WJ47	3/4"	RGS
CP1103	FIX POWER	F11	WJ47	WJ48	3/4"	RGS
CP1104	FIX POWER	F11	WJ48	WJ49	3/4"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarmtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2x0 '=' / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE, CABLE AND CONDUIT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 2 OF 8 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	133
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\2018106\L00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C89BR-073-Conduit Schedule 02.dgn
9/18/2019 2:50:01 PM

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD17	DMX SIGNAL	D19, D18, D17, D16, D15, D14, D13, D12	SOUTH CONTROLLER	WJ77-2	2"	RGS
CD16	DMX SIGNAL	D18, D17, D16, D15, D14, D13, D12	WJ77-2	WJ75-2	2"	RGS
CD15	DMX SIGNAL	D17, D16, D15, D14, D13, D12	WJ75-2	WJ70-2	2"	RGS
CD14	DMX SIGNAL	D16, D15, D14, D13, D12	WJ70-2	WJ64-5	2"	RGS
CD13	DMX SIGNAL	D14, D13, D12	WJ64-5	WJ60-2	2"	RGS
CD12	DMX SIGNAL	D13, D12	WJ60-2	WJ55-2	2"	RGS
CD11	DMX SIGNAL	D12	WJ55-2	CBX-12	2"	RGS
CD1201	DMX SIGNAL	D12	CBX-12	WJ50	3/4"	RGS
CD1202	DMX SIGNAL	D12	CBX-12	WJ49-4	3/4"	RGS
CD1203	DMX SIGNAL	D12	WJ49-4	WJ49-3	3/4"	RGS
CD1204	DMX SIGNAL	D12	WJ49-3	WJ49-2	3/4"	RGS
CD1301	DMX SIGNAL	D13	WJ55-2	CBX-13	3/4"	RGS
CD1302	DMX SIGNAL	D13	CBX-13	WJ55-1	3/4"	RGS
CD1303	DMX SIGNAL	D13	WJ55-1	WJ54	3/4"	RGS
CD1304	DMX SIGNAL	D13	WJ54	WJ53	3/4"	RGS
CD1305	DMX SIGNAL	D13	WJ53	WJ52	3/4"	RGS
CD1306	DMX SIGNAL	D13	WJ52	WJ51	3/4"	RGS
CD1401	DMX SIGNAL	D14	WJ60-2	CBX-14	3/4"	RGS
CD1402	DMX SIGNAL	D14	CBX-14	WJ60-1	3/4"	RGS
CD1403	DMX SIGNAL	D14	WJ60-1	WJ59	3/4"	RGS
CD1404	DMX SIGNAL	D14	WJ59	WJ58	3/4"	RGS
CD1405	DMX SIGNAL	D14	WJ58	WJ57	3/4"	RGS
CD1406	DMX SIGNAL	D14	WJ57	WJ56	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD1501	DMX SIGNAL	D15	WJ64-5	CBX-15	3/4"	RGS
CD1502	DMX SIGNAL	D15	CBX-15	WJ64-1	3/4"	RGS
CD1503	DMX SIGNAL	D15	WJ64-1	WJ63	3/4"	RGS
CD1504	DMX SIGNAL	D15	WJ63	WJ62	3/4"	RGS
CD1505	DMX SIGNAL	D15	WJ62	WJ61	3/4"	RGS
CD1601	DMX SIGNAL	D16	WJ64-5	CBX-16	3/4"	RGS
CD1602	DMX SIGNAL	D16	CBX-16	WJ65	3/4"	RGS
CD1603	DMX SIGNAL	D16	CBX-16	WJ64-4	3/4"	RGS
CD1604	DMX SIGNAL	D16	WJ64-4	WJ64-3	3/4"	RGS
CD1605	DMX SIGNAL	D16	WJ64-3	WJ64-2	3/4"	RGS
CD1701	DMX SIGNAL	D17	WJ70-2	CBX-17	3/4"	RGS
CD1702	DMX SIGNAL	D17	CBX-17	WJ70-1	3/4"	RGS
CD1703	DMX SIGNAL	D17	WJ70-1	WJ69	3/4"	RGS
CD1704	DMX SIGNAL	D17	WJ69	WJ68	3/4"	RGS
CD1705	DMX SIGNAL	D17	WJ68	WJ67	3/4"	RGS
CD1706	DMX SIGNAL	D17	WJ67	WJ66	3/4"	RGS
CD1801	DMX SIGNAL	D18	WJ75-2	CBX-18	3/4"	RGS
CD1802	DMX SIGNAL	D18	CBX-18	WJ75-1	3/4"	RGS
CD1803	DMX SIGNAL	D18	WJ75-1	WJ74	3/4"	RGS
CD1804	DMX SIGNAL	D18	WJ74	WJ73	3/4"	RGS
CD1805	DMX SIGNAL	D18	WJ73	WJ72	3/4"	RGS
CD1806	DMX SIGNAL	D18	WJ72	WJ71	3/4"	RGS
CD1901	DMX SIGNAL	D19	WJ77-2	CBX-19	3/4"	RGS
CD1902	DMX SIGNAL	D19	CBX-19	WJ77-1	3/4"	RGS
CD1903	DMX SIGNAL	D19	WJ77-1	WJ78	3/4"	RGS
CD1904	DMX SIGNAL	D19	WJ77-1	WJ76	3/4"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE, CABLE AND CONDUIT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 3 OF 8 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	134
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2019\01810\09\00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C89\04-Conduit Schedule 03.dgn
9/18/2019 2:50:08 PM

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP17	CBX POWER	P19, P18, P17, P16, P15, P14, P13, P12, G	SOUTH CONTROLLER	WJ77-3	2"	RGS
CP16	CBX POWER	P18, P17, P16, P15, P14, P13, P12, G	WJ77-3	WJ75-3	2"	RGS
CP15	CBX POWER	P17, P16, P15, P14, P13, P12, G	WJ75-3	WJ70-3	2"	RGS
CP14	CBX POWER	P16, P15, P14, P13, P12, G	WJ70-3	WJ64-6	2"	RGS
CP13	CBX POWER	P14, P13, P12, G	WJ64-6	WJ60-3	2"	RGS
CP12	CBX POWER	P13, P12, G	WJ60-3	WJ55-3	2"	RGS
CP11	CBX POWER	P12, G	WJ55-3	CBX-12	2"	RGS
CP1201	FIX POWER	F12	CBX-12	WJ50	3/4"	RGS
CP1202	FIX POWER	F12	CBX-12	WJ49-4	3/4"	RGS
CP1203	FIX POWER	F12	WJ49-4	WJ49-3	3/4"	RGS
CP1204	FIX POWER	F12	WJ49-3	WJ49-2	3/4"	RGS
CP1301	CBX POWER	P13, G	WJ55-3	CBX-13	3/4"	RGS
CP1302	FIX POWER	F13	CBX-13	WJ55-1	3/4"	RGS
CP1303	FIX POWER	F13	WJ55-1	WJ54	3/4"	RGS
CP1304	FIX POWER	F13	WJ54	WJ53	3/4"	RGS
CP1305	FIX POWER	F13	WJ53	WJ52	3/4"	RGS
CP1306	FIX POWER	F13	WJ52	WJ51	3/4"	RGS
CP1401	CBX POWER	P14, G	WJ60-3	CBX-14	3/4"	RGS
CP1402	FIX POWER	F14	CBX-14	WJ60-1	3/4"	RGS
CP1403	FIX POWER	F14	WJ60-1	WJ59	3/4"	RGS
CP1404	FIX POWER	F14	WJ59	WJ58	3/4"	RGS
CP1405	FIX POWER	F14	WJ58	WJ57	3/4"	RGS
CP1406	FIX POWER	F14	WJ57	WJ56	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP1501	CBX POWER	P15, G	WJ64-6	CBX-15	3/4"	RGS
CP1502	FIX POWER	F15	CBX-15	WJ64-1	3/4"	RGS
CP1503	FIX POWER	F15	WJ64-1	WJ63	3/4"	RGS
CP1504	FIX POWER	F15	WJ63	WJ62	3/4"	RGS
CP1505	FIX POWER	F15	WJ62	WJ61	3/4"	RGS
CP1601	CBX POWER	P16, G	WJ64-6	CBX-16	3/4"	RGS
CP1602	FIX POWER	F16	CBX-16	WJ65	3/4"	RGS
CP1603	FIX POWER	F16	CBX-16	WJ64-4	3/4"	RGS
CP1604	FIX POWER	F16	WJ64-4	WJ64-3	3/4"	RGS
CP1605	FIX POWER	F16	WJ64-3	WJ64-2	3/4"	RGS
CP1701	CBX POWER	P17, G	WJ70-3	CBX-17	3/4"	RGS
CP1702	FIX POWER	F17	CBX-17	WJ70-1	3/4"	RGS
CP1703	FIX POWER	F17	WJ70-1	WJ69	3/4"	RGS
CP1704	FIX POWER	F17	WJ69	WJ68	3/4"	RGS
CP1705	FIX POWER	F17	WJ68	WJ67	3/4"	RGS
CP1706	FIX POWER	F17	WJ67	WJ66	3/4"	RGS
CP1801	CBX POWER	P18,G	WJ75-3	CBX-18	3/4"	RGS
CP1802	FIX POWER	F18	CBX-18	WJ75-1	3/4"	RGS
CP1803	FIX POWER	F18	WJ75-1	WJ74	3/4"	RGS
CP1804	FIX POWER	F18	WJ74	WJ73	3/4"	RGS
CP1805	FIX POWER	F18	WJ73	WJ72	3/4"	RGS
CP1806	FIX POWER	F18	WJ72	WJ71	3/4"	RGS
CP1901	CBX POWER	P19, G	WJ77-3	CBX-19	3/4"	RGS
CP1902	FIX POWER	F19	CBX-19	WJ77-1	3/4"	RGS
CP1903	FIX POWER	F19	WJ77-1	WJ78	3/4"	RGS
CP1904	FIX POWER	F19	WJ77-1	WJ76	3/4"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD21	DMX SIGNAL	D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31	North Controller	EJ14-5	2"	RGS
CD22	DMX SIGNAL	D21	EJ14-5	CBX-21	2"	RGS
CD23	DMX SIGNAL	D24, D25, D26, D27, D28, D29, D30, D31	EJ14-5	EJ16-2	2"	RGS
CD24	DMX SIGNAL	D25, D26, D27, D28, D29, D30, D31	EJ16-2	EJ21-2	2"	RGS
CD25	DMX SIGNAL	D26, D27, D28, D29, D30, D31	EJ21-2	EJ26-2	2"	RGS
CD26	DMX SIGNAL	D27, D28, D29, D30, D31	EJ26-2	EJ29-5	2"	RGS
CD27	DMX SIGNAL	D28, D29, D30, D31	EJ29-5	EJ31-2	2"	RGS
CD28	DMX SIGNAL	D29, D30, D31	EJ31-2	EJ36-2	2"	RGS
CD29	DMX SIGNAL	D30, D31	EJ36-2	EJ41-2	2"	RGS
CD30	DMX SIGNAL	D31	EJ41-2	CBX-31	2"	RGS
CD2101	DMX SIGNAL	D21	CBX-21	EJ10	3/4"	RGS
CD2102	DMX SIGNAL	D21	EJ10	EJ09	3/4"	RGS
CD2103	DMX SIGNAL	D21	EJ09	EJ08	3/4"	RGS
CD2104	DMX SIGNAL	D21	EJ08	EJ07	3/4"	RGS
CD2105	DMX SIGNAL	D21	EJ07	EJ06	3/4"	RGS
CD2201	DMX SIGNAL	D22	EJ14-5	CBX-22	3/4"	RGS
CD2202	DMX SIGNAL	D22	CBX-22	EJ14-1	3/4"	RGS
CD2203	DMX SIGNAL	D22	EJ14-1	EJ13	3/4"	RGS
CD2204	DMX SIGNAL	D22	EJ13	EJ12	3/4"	RGS
CD2205	DMX SIGNAL	D22	EJ12	EJ11	3/4"	RGS
CD2301	DMX SIGNAL	D23	EJ14-5	CBX-23	3/4"	RGS
CD2302	DMX SIGNAL	D23	CBX-23	EJ15	3/4"	RGS
CD2303	DMX SIGNAL	D23	CBX-23	EJ14-4	3/4"	RGS
CD2304	DMX SIGNAL	D23	EJ14-4	EJ14-3	3/4"	RGS
CD2305	DMX SIGNAL	D23	EJ14-3	EJ14-2	3/4"	RGS
CD2401	DMX SIGNAL	D24	EJ16-2	CBX-24	3/4"	RGS
CD2402	DMX SIGNAL	D24	CBX-24	EJ16-1	3/4"	RGS
CD2403	DMX SIGNAL	D24	EJ16-1	EJ17	3/4"	RGS
CD2404	DMX SIGNAL	D24	EJ17	EJ18	3/4"	RGS
CD2405	DMX SIGNAL	D24	EJ18	EJ19	3/4"	RGS
CD2406	DMX SIGNAL	D24	EJ19	EJ20	3/4"	RGS
CD2501	DMX SIGNAL	D25	EJ21-2	CBX-25	3/4"	RGS
CD2502	DMX SIGNAL	D25	CBX-25	EJ21-1	3/4"	RGS
CD2503	DMX SIGNAL	D25	EJ21-1	EJ22	3/4"	RGS
CD2504	DMX SIGNAL	D25	EJ22	EJ23	3/4"	RGS
CD2505	DMX SIGNAL	D25	EJ23	EJ24	3/4"	RGS
CD2506	DMX SIGNAL	D25	EJ24	EJ25	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD2601	DMX SIGNAL	D26	EJ26-2	CBX-26	3/4"	RGS
CD2602	DMX SIGNAL	D26	CBX-26	EJ26-1	3/4"	RGS
CD2603	DMX SIGNAL	D26	EJ26-1	EJ27	3/4"	RGS
CD2604	DMX SIGNAL	D26	EJ27	EJ28	3/4"	RGS
CD2605	DMX SIGNAL	D26	EJ28	EJ29-1	3/4"	RGS
CD2701	DMX SIGNAL	D27	EJ29-5	CBX-27	3/4"	RGS
CD2702	DMX SIGNAL	D27	CBX-27	EJ30	3/4"	RGS
CD2703	DMX SIGNAL	D27	CBX-27	EJ29-4	3/4"	RGS
CD2704	DMX SIGNAL	D27	EJ29-4	EJ29-3	3/4"	RGS
CD2705	DMX SIGNAL	D27	EJ29-3	EJ29-2	3/4"	RGS
CD2801	DMX SIGNAL	D28	EJ31-2	CBX-28	3/4"	RGS
CD2802	DMX SIGNAL	D28	CBX-28	EJ31-1	3/4"	RGS
CD2803	DMX SIGNAL	D28	EJ31-1	EJ32	3/4"	RGS
CD2804	DMX SIGNAL	D28	EJ32	EJ33	3/4"	RGS
CD2805	DMX SIGNAL	D28	EJ33	EJ34	3/4"	RGS
CD2806	DMX SIGNAL	D28	EJ34	EJ35	3/4"	RGS
CD2901	DMX SIGNAL	D29	EJ36-2	CBX-29	3/4"	RGS
CD2902	DMX SIGNAL	D29	CBX-29	EJ36-1	3/4"	RGS
CD2903	DMX SIGNAL	D29	EJ36-1	EJ37	3/4"	RGS
CD2904	DMX SIGNAL	D29	EJ37	EJ38	3/4"	RGS
CD2905	DMX SIGNAL	D29	EJ38	EJ39	3/4"	RGS
CD2906	DMX SIGNAL	D29	EJ39	EJ40	3/4"	RGS
CD3001	DMX SIGNAL	D30	EJ41-2	CBX-30	3/4"	RGS
CD3002	DMX SIGNAL	D30	CBX-30	EJ41-1	3/4"	RGS
CD3003	DMX SIGNAL	D30	EJ41-1	EJ42	3/4"	RGS
CD3004	DMX SIGNAL	D30	EJ42	EJ43	3/4"	RGS
CD3005	DMX SIGNAL	D30	EJ43	EJ44	3/4"	RGS
CD3006	DMX SIGNAL	D30	EJ44	EJ45	3/4"	RGS
CD3101	DMX SIGNAL	D31	CBX-31	EJ46	3/4"	RGS
CD3102	DMX SIGNAL	D31	EJ46	EJ47	3/4"	RGS
CD3103	DMX SIGNAL	D31	EJ47	EJ48	3/4"	RGS
CD3104	DMX SIGNAL	D31	EJ48	EJ49	3/4"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarm1no	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24x0 '' / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE, CABLE AND CONDUIT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 5 OF 8 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	136
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 090000I-68C89BR_PDF_FI_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2019\19170693.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090000I-68C89BR-07R-Conduit Schedule 05.dgn
9/18/2019 2:50:19 PM

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP21	CBX POWER	P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, G	North Controller	EJ14-6	2"	RGS
CP22	CBX POWER	P21, G	EJ14-6	CBX-21	2"	RGS
CP23	CBX POWER	P24, P25, P26, P27, P28, P29, P30, P31, G	EJ14-6	EJ16-3	2"	RGS
CP24	CBX POWER	P25, P26, P27, P28, P29, P30, P31, G	EJ16-3	EJ21-3	2"	RGS
CP25	CBX POWER	P26, P27, P28, P29, P30, P31, G	EJ21-3	EJ26-3	2"	RGS
CP26	CBX POWER	P27, P28, P29, P30, P31, G	EJ26-3	EJ29-6	2"	RGS
CP27	CBX POWER	P28, P29, P30, P31, G	EJ29-6	EJ31-3	2"	RGS
CP28	CBX POWER	P29, P30, P31, G	EJ31-3	EJ36-3	2"	RGS
CP29	CBX POWER	P30, P31, G	EJ36-3	EJ41-3	2"	RGS
CP30	CBX POWER	P31, G	EJ41-3	CBX-31	2"	RGS
CP2101	FIX POWER	F21	CBX-21	EJ10	3/4"	RGS
CP2102	FIX POWER	F21	EJ10	EJ09	3/4"	RGS
CP2103	FIX POWER	F21	EJ09	EJ08	3/4"	RGS
CP2104	FIX POWER	F21	EJ08	EJ07	3/4"	RGS
CP2105	FIX POWER	F21	EJ07	EJ06	3/4"	RGS
CP2201	CBX POWER	P22, G	EJ14-6	CBX-22	3/4"	RGS
CP2202	FIX POWER	F22	CBX-22	EJ14-1	3/4"	RGS
CP2203	FIX POWER	F22	EJ14-1	EJ13	3/4"	RGS
CP2204	FIX POWER	F22	EJ13	EJ12	3/4"	RGS
CP2205	FIX POWER	F22	EJ12	EJ11	3/4"	RGS
CP2301	CBX POWER	P23, G	EJ14-6	CBX-23	3/4"	RGS
CP2302	FIX POWER	F23	CBX-23	EJ15	3/4"	RGS
CP2303	FIX POWER	F23	CBX-23	EJ14-4	3/4"	RGS
CP2304	FIX POWER	F23	EJ14-4	EJ14-3	3/4"	RGS
CP2305	FIX POWER	F23	EJ14-3	EJ14-2	3/4"	RGS
CP2401	CBX POWER	P24	EJ16-3	CBX-24	3/4"	RGS
CP2402	FIX POWER	F24	CBX-24	EJ16-1	3/4"	RGS
CP2403	FIX POWER	F24	EJ16-1	EJ17	3/4"	RGS
CP2404	FIX POWER	F24	EJ17	EJ18	3/4"	RGS
CP2405	FIX POWER	F24	EJ18	EJ19	3/4"	RGS
CP2406	FIX POWER	F24	EJ19	EJ20	3/4"	RGS
CP2501	CBX POWER	P25, G	EJ21-3	CBX-25	3/4"	RGS
CP2502	FIX POWER	F25	CBX-25	EJ21-1	3/4"	RGS
CP2503	FIX POWER	F25	EJ21-1	EJ22	3/4"	RGS
CP2504	FIX POWER	F25	EJ22	EJ23	3/4"	RGS
CP2505	FIX POWER	F25	EJ23	EJ24	3/4"	RGS
CP2506	FIX POWER	F25	EJ24	EJ25	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP2601	CBX POWER	P26, G	EJ26-3	CBX-26	3/4"	RGS
CP2602	FIX POWER	F26	CBX-26	EJ26-1	3/4"	RGS
CP2603	FIX POWER	F26	EJ26-1	EJ27	3/4"	RGS
CP2604	FIX POWER	F26	EJ27	EJ28	3/4"	RGS
CP2605	FIX POWER	F26	EJ28	EJ29-1	3/4"	RGS
CP2701	CBX POWER	P27, G	EJ29-6	CBX-27	3/4"	RGS
CP2702	FIX POWER	F27	CBX-27	EJ30	3/4"	RGS
CP2703	FIX POWER	F27	CBX-27	EJ29-4	3/4"	RGS
CP2704	FIX POWER	F27	EJ29-4	EJ29-3	3/4"	RGS
CP2705	FIX POWER	F27	EJ29-3	EJ29-2	3/4"	RGS
CP2801	CBX POWER	P28, G	EJ31-3	CBX-28	3/4"	RGS
CP2802	FIX POWER	F28	CBX-28	EJ31-1	3/4"	RGS
CP2803	FIX POWER	F28	EJ31-1	EJ32	3/4"	RGS
CP2804	FIX POWER	F28	EJ32	EJ33	3/4"	RGS
CP2805	FIX POWER	F28	EJ33	EJ34	3/4"	RGS
CP2806	FIX POWER	F28	EJ34	EJ35	3/4"	RGS
CP2901	CBX POWER	P29, G	EJ36-3	CBX-29	3/4"	RGS
CP2902	FIX POWER	F29	CBX-29	EJ36-1	3/4"	RGS
CP2903	FIX POWER	F29	EJ36-1	EJ37	3/4"	RGS
CP2904	FIX POWER	F29	EJ37	EJ38	3/4"	RGS
CP2905	FIX POWER	F29	EJ38	EJ39	3/4"	RGS
CP2906	FIX POWER	F29	EJ39	EJ40	3/4"	RGS
CP3001	CBX POWER	P30, G	EJ41-3	CBX-30	3/4"	RGS
CP3002	FIX POWER	F30	CBX-30	EJ41-1	3/4"	RGS
CP3003	FIX POWER	F30	EJ41-1	EJ42	3/4"	RGS
CP3004	FIX POWER	F30	EJ42	EJ43	3/4"	RGS
CP3005	FIX POWER	F30	EJ43	EJ44	3/4"	RGS
CP3006	FIX POWER	F30	EJ44	EJ45	3/4"	RGS
CP3101	FIX POWER	F31	CBX-31	EJ46	3/4"	RGS
CP3102	FIX POWER	F31	EJ46	EJ47	3/4"	RGS
CP3103	FIX POWER	F31	EJ47	EJ48	3/4"	RGS
CP3104	FIX POWER	F31	EJ48	EJ49	3/4"	RGS
CF01	FIBER	FIBER OPTIC CABLE	NC	EJ16-4	2"	RGS
CF02	FIBER	FIBER OPTIC CABLE	EJ16-4	EJ26-4	2"	RGS
CF03	FIBER	FIBER OPTIC CABLE	EJ26-4	EJ36-4	2"	RGS
CF04	FIBER	FIBER OPTIC CABLE	EJ36-4	EJ46-2	2"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarmtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE, CABLE AND CONDUIT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 6 OF 8 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	137
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89BR_PDF_11_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\3181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\6900001-68C89-0777-Conduit Schedule 06.dgn
9/18/2019 2:50:26 PM

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD37	DMX SIGNAL	D39, D38, D37, D36, D35, D34, D33, D32	SOUTH CONTROLLER	EJ77-2	2"	RGS
CD36	DMX SIGNAL	D38, D37, D36, D35, D34, D33, D32	EJ77-2	EJ75-2	2"	RGS
CD35	DMX SIGNAL	D37, D36, D35, D34, D33, D32	EJ75-2	EJ70-2	2"	RGS
CD34	DMX SIGNAL	D36, D35, D34, D33, D32	EJ70-2	EJ64-5	2"	RGS
CD33	DMX SIGNAL	D34, D33, D32	EJ64-5	EJ60-2	2"	RGS
CD32	DMX SIGNAL	D33, D32	EJ60-2	EJ55-2	2"	RGS
CD31	DMX SIGNAL	D32	EJ55-2	CBX-32	2"	RGS
CD3201	DMX SIGNAL	D32	CBX-32	EJ50	3/4"	RGS
CD3202	DMX SIGNAL	D32	CBX-32	EJ49-4	3/4"	RGS
CD3203	DMX SIGNAL	D32	EJ49-4	EJ49-3	3/4"	RGS
CD3204	DMX SIGNAL	D32	EJ49-3	EJ49-2	3/4"	RGS
CD3301	DMX SIGNAL	D33	EJ55-2	CBX-33	3/4"	RGS
CD3302	DMX SIGNAL	D33	CBX-33	EJ55-1	3/4"	RGS
CD3303	DMX SIGNAL	D33	EJ55-1	EJ54	3/4"	RGS
CD3304	DMX SIGNAL	D33	EJ54	EJ53	3/4"	RGS
CD3305	DMX SIGNAL	D33	EJ53	EJ52	3/4"	RGS
CD3306	DMX SIGNAL	D33	EJ52	EJ51	3/4"	RGS
CD3401	DMX SIGNAL	D34	EJ60-2	CBX-34	3/4"	RGS
CD3402	DMX SIGNAL	D34	CBX-34	EJ60-1	3/4"	RGS
CD3403	DMX SIGNAL	D34	EJ60-1	EJ59	3/4"	RGS
CD3404	DMX SIGNAL	D34	EJ59	EJ58	3/4"	RGS
CD3405	DMX SIGNAL	D34	EJ58	EJ57	3/4"	RGS
CD3406	DMX SIGNAL	D34	EJ57	EJ56	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CD3501	DMX SIGNAL	D35	EJ64-5	CBX-35	3/4"	RGS
CD3502	DMX SIGNAL	D35	CBX-35	EJ64-1	3/4"	RGS
CD3503	DMX SIGNAL	D35	EJ64-1	EJ63	3/4"	RGS
CD3504	DMX SIGNAL	D35	EJ63	EJ62	3/4"	RGS
CD3505	DMX SIGNAL	D35	EJ62	EJ61	3/4"	RGS
CD3601	DMX SIGNAL	D36	EJ64-5	CBX-36	3/4"	RGS
CD3602	DMX SIGNAL	D36	CBX-36	EJ65	3/4"	RGS
CD3603	DMX SIGNAL	D36	CBX-36	EJ64-4	3/4"	RGS
CD3604	DMX SIGNAL	D36	EJ64-4	EJ64-3	3/4"	RGS
CD3605	DMX SIGNAL	D36	EJ64-3	EJ64-2	3/4"	RGS
CD3701	DMX SIGNAL	D37	EJ70-2	CBX-37	3/4"	RGS
CD3702	DMX SIGNAL	D37	CBX-37	EJ70-1	3/4"	RGS
CD3703	DMX SIGNAL	D37	EJ70-1	EJ69	3/4"	RGS
CD3704	DMX SIGNAL	D37	EJ69	EJ68	3/4"	RGS
CD3705	DMX SIGNAL	D37	EJ68	EJ67	3/4"	RGS
CD3706	DMX SIGNAL	D37	EJ67	EJ66	3/4"	RGS
CD3801	DMX SIGNAL	D38	EJ75-2	CBX-38	3/4"	RGS
CD3802	DMX SIGNAL	D38	CBX-38	EJ75-1	3/4"	RGS
CD3803	DMX SIGNAL	D38	EJ75-1	EJ74	3/4"	RGS
CD3804	DMX SIGNAL	D38	EJ74	EJ73	3/4"	RGS
CD3805	DMX SIGNAL	D38	EJ73	EJ72	3/4"	RGS
CD3806	DMX SIGNAL	D38	EJ72	EJ71	3/4"	RGS
CD3901	DMX SIGNAL	D39	EJ77-2	CBX-39	3/4"	RGS
CD3902	DMX SIGNAL	D39	CBX-39	EJ77-1	3/4"	RGS
CD3903	DMX SIGNAL	D39	EJ77-1	EJ78	3/4"	RGS
CD3904	DMX SIGNAL	D39	EJ77-1	EJ76	3/4"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE, CABLE AND CONDUIT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 7 OF 8 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	138
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89B-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\01810690.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89B-0754-conduit Schedule 07.dgn
9/18/2019 2:50:34 PM

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP37	CBX POWER	P39, P38, P37, P36, P35, P34, P33, P32, G	SOUTH CONTROLLER	EJ77-3	2"	RGS
CP36	CBX POWER	P38, P37, P36, P35, P34, P33, P32,G	EJ77-3	EJ75-3	2"	RGS
CP35	CBX POWER	P37, P36, P35, P34, P33, P32, G	EJ75-3	EJ70-3	2"	RGS
CP34	CBX POWER	P36, P35, P34, P33, P32, G	EJ70-3	EJ64-6	2"	RGS
CP33	CBX POWER	P34, P33, P32, G	EJ64-6	EJ60-3	2"	RGS
CP32	CBX POWER	P33, P32, G	EJ60-3	EJ55-3	2"	RGS
CP31	CBX POWER	P32, G	EJ55-3	CBX-32	2"	RGS
CP3201	FIX POWER	F32	CBX-32	EJ50	3/4"	RGS
CP3202	FIX POWER	F32	CBX-32	EJ49-4	3/4"	RGS
CP3203	FIX POWER	F32	EJ49-4	EJ49-3	3/4"	RGS
CP3204	FIX POWER	F32	EJ49-3	EJ49-2	3/4"	RGS
CP3301	CBX POWER	P33, G	EJ55-3	CBX-33	3/4"	RGS
CP3302	FIX POWER	F33	CBX-33	EJ55-1	3/4"	RGS
CP3303	FIX POWER	F33	EJ55-1	EJ54	3/4"	RGS
CP3304	FIX POWER	F33	EJ54	EJ53	3/4"	RGS
CP3305	FIX POWER	F33	EJ53	EJ52	3/4"	RGS
CP3306	FIX POWER	F33	EJ52	EJ51	3/4"	RGS
CP3401	CBX POWER	P34, G	EJ60-3	CBX-34	3/4"	RGS
CP3402	FIX POWER	F34	CBX-34	EJ60-1	3/4"	RGS
CP3403	FIX POWER	F34	EJ60-1	EJ59	3/4"	RGS
CP3404	FIX POWER	F34	EJ59	EJ58	3/4"	RGS
CP3405	FIX POWER	F34	EJ58	EJ57	3/4"	RGS
CP3406	FIX POWER	F34	EJ57	EJ56	3/4"	RGS

CONDUIT SCHEDULE

TAG	USE	CONTAINS	FROM	TO	SIZE	MATERIAL
CP3501	CBX POWER	P35, G	EJ64-6	CBX-35	3/4"	RGS
CP3502	FIX POWER	F35	CBX-35	EJ64-1	3/4"	RGS
CP3503	FIX POWER	F35	EJ64-1	EJ63	3/4"	RGS
CP3504	FIX POWER	F35	EJ63	EJ62	3/4"	RGS
CP3505	FIX POWER	F35	EJ62	EJ61	3/4"	RGS
CP3601	CBX POWER	P36, G	EJ64-6	CBX-36	3/4"	RGS
CP3602	FIX POWER	F36	CBX-36	EJ65	3/4"	RGS
CP3603	FIX POWER	F36	CBX-36	EJ64-4	3/4"	RGS
CP3604	FIX POWER	F36	EJ64-4	EJ64-3	3/4"	RGS
CP3605	FIX POWER	F36	EJ64-3	EJ64-2	3/4"	RGS
CP3701	CBX POWER	P37, G	EJ70-3	CBX-37	3/4"	RGS
CP3702	FIX POWER	F37	CBX-37	EJ70-1	3/4"	RGS
CP3703	FIX POWER	F37	EJ70-1	EJ69	3/4"	RGS
CP3704	FIX POWER	F37	EJ69	EJ68	3/4"	RGS
CP3705	FIX POWER	F37	EJ68	EJ67	3/4"	RGS
CP3706	FIX POWER	F37	EJ67	EJ66	3/4"	RGS
CP3801	CBX POWER	P38, G	EJ75-3	CBX-38	3/4"	RGS
CP3802	FIX POWER	F38	CBX-38	EJ75-1	3/4"	RGS
CP3803	FIX POWER	F38	EJ75-1	EJ74	3/4"	RGS
CP3804	FIX POWER	F38	EJ74	EJ73	3/4"	RGS
CP3805	FIX POWER	F38	EJ73	EJ72	3/4"	RGS
CP3806	FIX POWER	F38	EJ72	EJ71	3/4"	RGS
CP3901	CBX POWER	P39, G	EJ77-3	CBX-39	3/4"	RGS
CP3902	FIX POWER	F39	CBX-39	EJ77-1	3/4"	RGS
CP3903	FIX POWER	F39	EJ77-1	EJ78	3/4"	RGS
CP3904	FIX POWER	F39	EJ77-1	EJ76	3/4"	RGS
CF05	FIBER	FIBER OPTIC CABLE	EJ46-2	EJ56-2	2"	RGS
CF06	FIBER	FIBER OPTIC CABLE	EJ56-2	EJ67-2	2"	RGS
CF07	FIBER	FIBER OPTIC CABLE	EJ67-2	EJ78-2	2"	RGS
CF08	FIBER	FIBER OPTIC CABLE	EJ78-2	SC	2"	RGS

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarnthno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

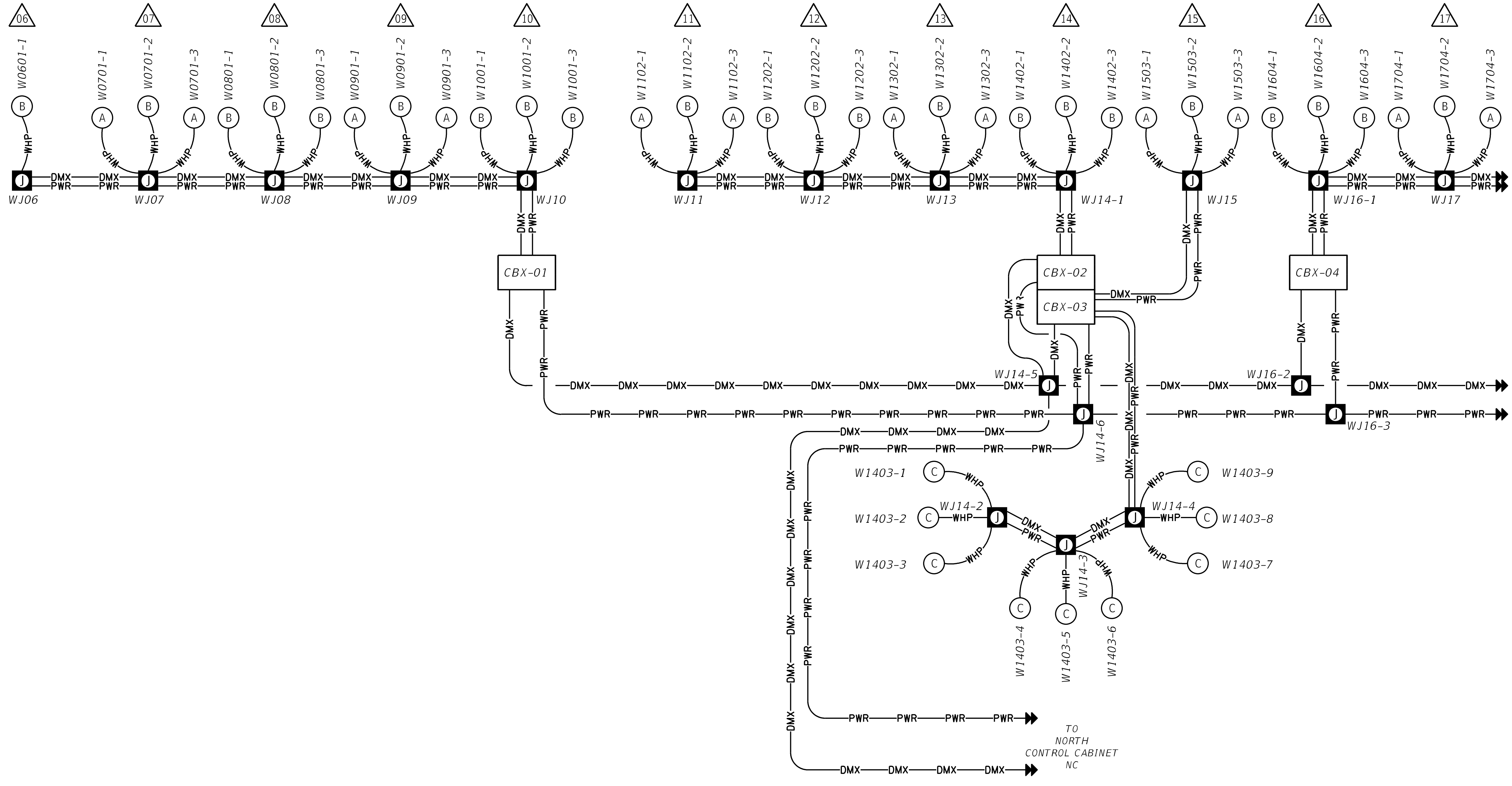
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES - WIRE, CABLE AND CONDUIT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 8 OF 8 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	139
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\01810690.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C89\c-079A-conduit Schedule 08.dgn
9/18/2019 2:50:40 PM



PIER 3

PIER 4

LEGEND

—WHP——WHP—	Fixture Whip
—DMX——DMX—	DMX 512 Cable
—PWR——PWR—	Power Circuit
——FO——FO—	Fiber Optic Cable
(06)	Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

J — Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 — CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-081-Wiring Diagram West 01.dgn

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarntino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24:0 ':" / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

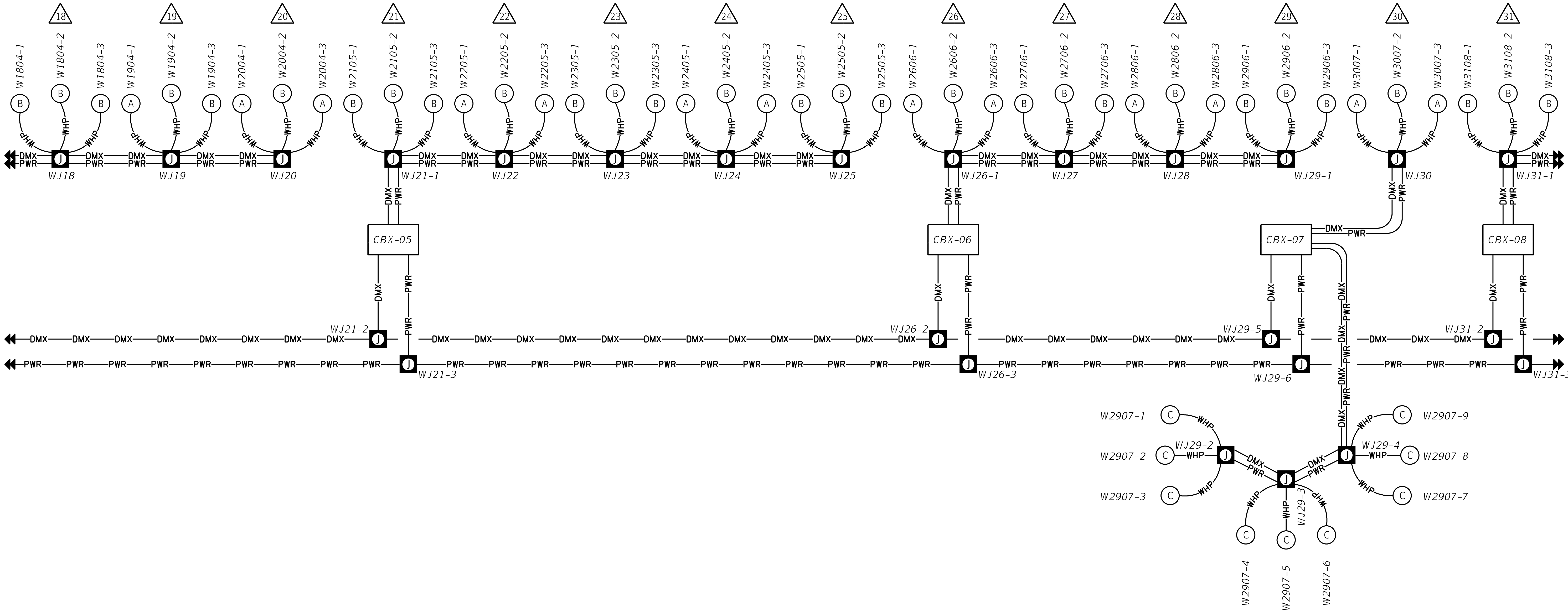
SCHEMATIC DIAGRAM - POSITION 06 -17 (WEST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 1 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	140
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

9/18/2019 2:50:46 PM



PIER 5

LEGEND

—WHP—WHP—	Fixture Whip
—DMX—DMX—	DMX 512 Cable
—PWR—PWR—	Power Circuit
—FO—FO—	Fiber Optic Cable

06 (triangle) Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

J Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24.0 ' / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

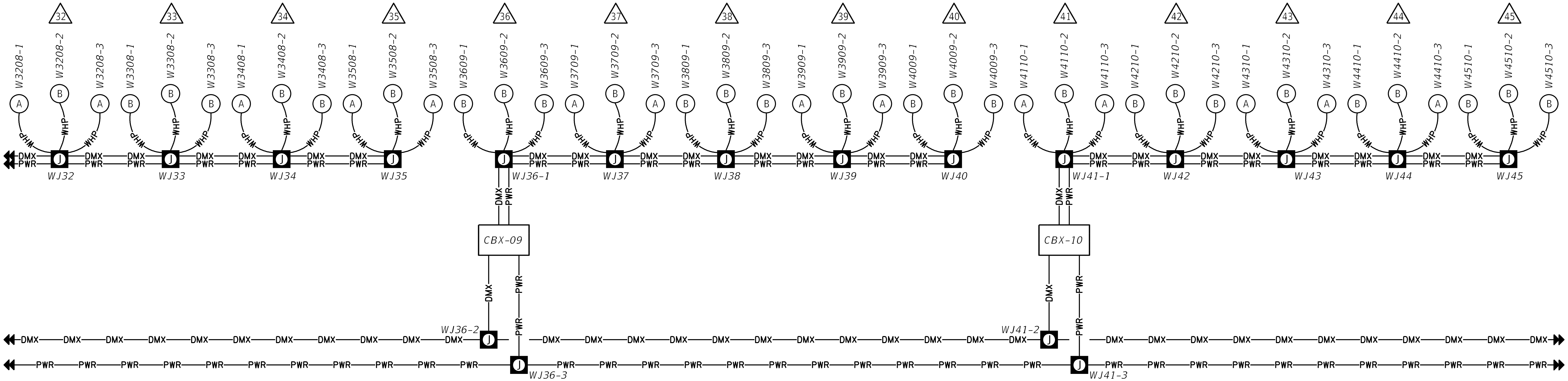
SCHEMATIC DIAGRAM - POSITION 18 - 31 (WEST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	141
		CONTRACT NO. 68C89		
		ILLINOIS FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-082-Wiring Diagram West 02.dgn
9/18/2019 2:50:47 PM



LEGEND

—WHP——WHP— Fixture Whip

—DMX——DMX— DMX 512 Cable

—PWR——PWR— Power Circuit

——FO——FO— Fiber Optic Cable

△06 Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

WJ14-2
- Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 — CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR

PEORIA / TAZEWELL COUNTY

STATION 151+85

STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24:0 ':" / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

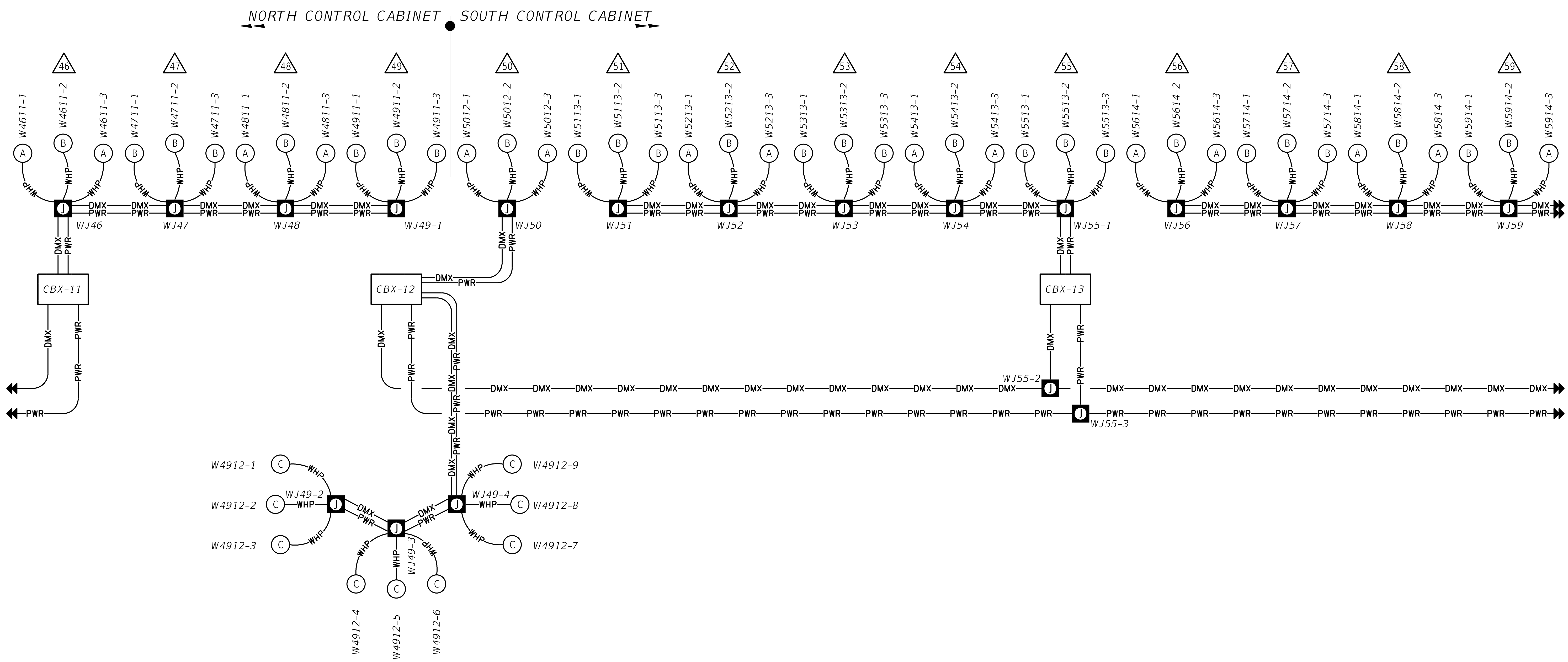
SCHEMATIC DIAGRAM - POSITION 32 - 45 (WEST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 3 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	142
		CONTRACT NO. 68C89		
		ILLINOIS FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-063-Wiring Diagram West 03.dgn
9/18/2019 2:50:47 PM



PIER 6

LEGEND

—WHP——WHP—	Fixture Whip
—DMX——DMX—	DMX 512 Cable
—PWR——PWR—	Power Circuit
—FO——FO—	Fiber Optic Cable

(06) Bridge Location (Truss) Number

W1102-1: Fixture Number / CBX Number / Bridge Location (Truss) Number / Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

(J) Junction Box

WJ14-2: Bridge Side (W = West & E = East) / Junction Box Number / Junction Box Tag / Junction Box Number (If Used) / Bridge Location

CBX-02: CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24.0 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

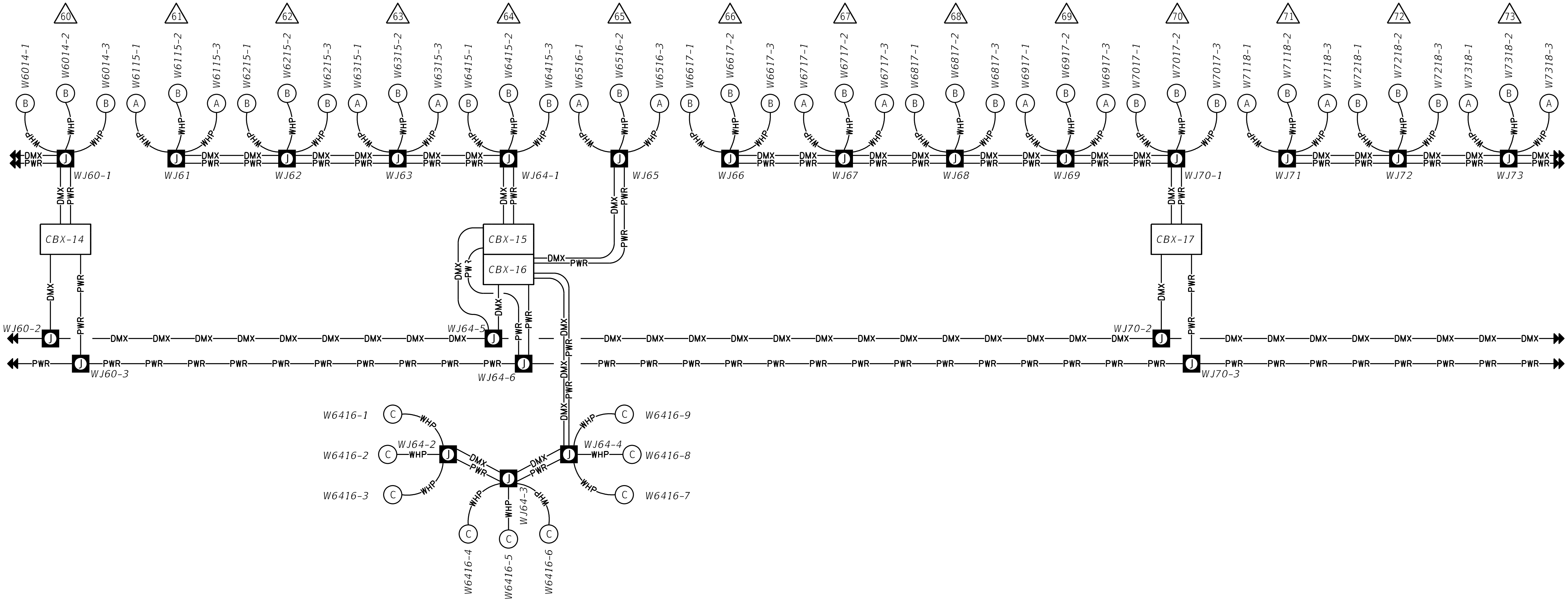
SCHEMATIC DIAGRAM - POSITION 46 - 59 (WEST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 4 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	143
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-084-Wiring Diagram West 04.dgn
9/18/2019 2:50:48 PM



PIER 7

LEGEND

—WHP——WHP— Fixture Whip

—DMX——DMX— DMX 512 Cable

—PWR——PWR— Power Circuit

——FO——FO— Fiber Optic Cable

(06) Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

J Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-085-Wiring Diagram West 05.dgn
9/18/2019 2:50:48 PM

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24.0 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

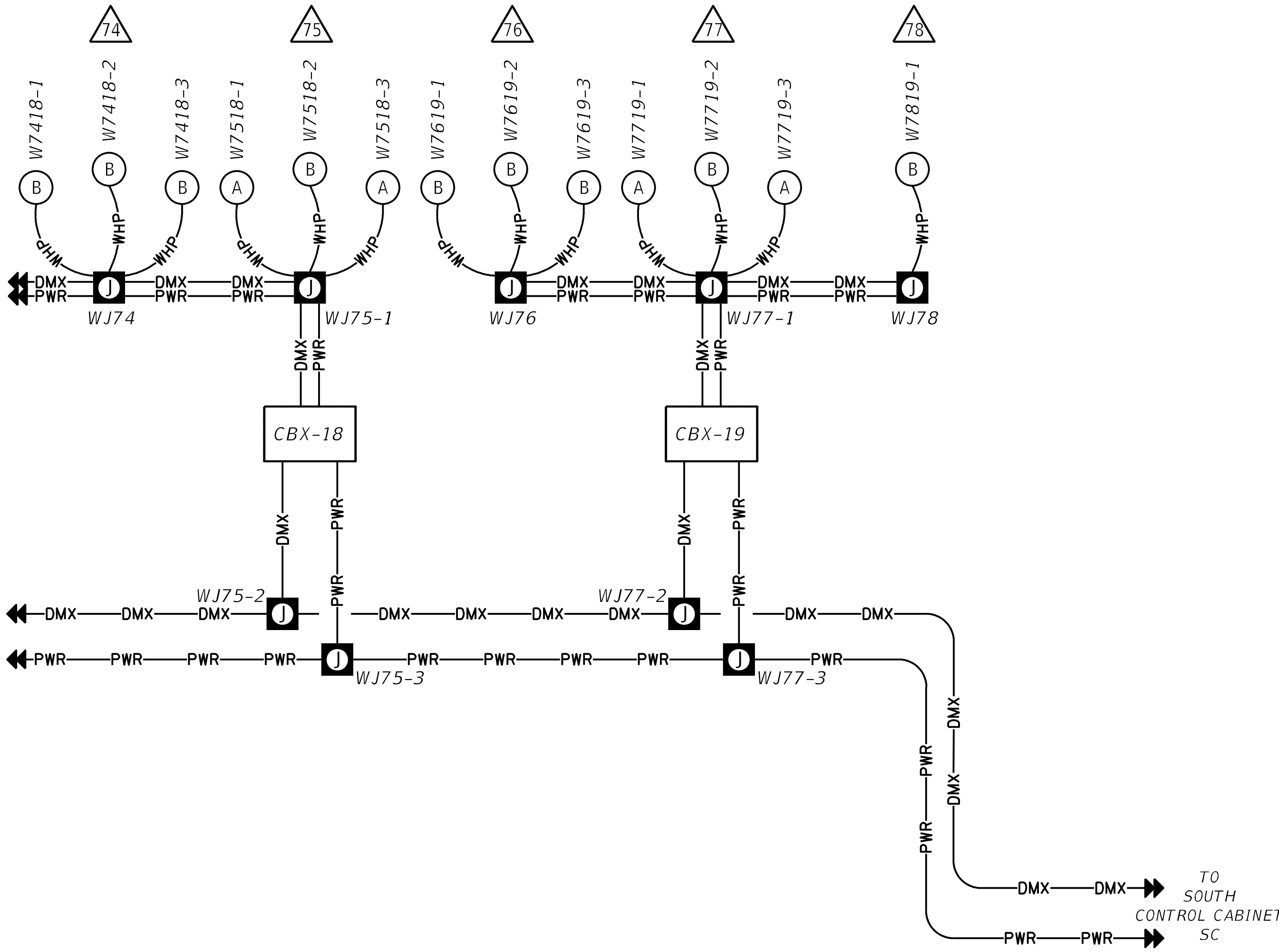
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEMATIC DIAGRAM - POSITION 60 - 73 (WEST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	144
		CONTRACT NO. 68C89		
		ILLINOIS FED. AID PROJECT		

** PEORIA / TAZEWELL



PIER 8

LEGEND

—WHP—WHP— Fixture Whip

—DMX—DMX— DMX 512 Cable

—PWR—PWR— Power Circuit

—FO—FO— Fiber Optic Cable

06 Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

WJ14-2
- Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

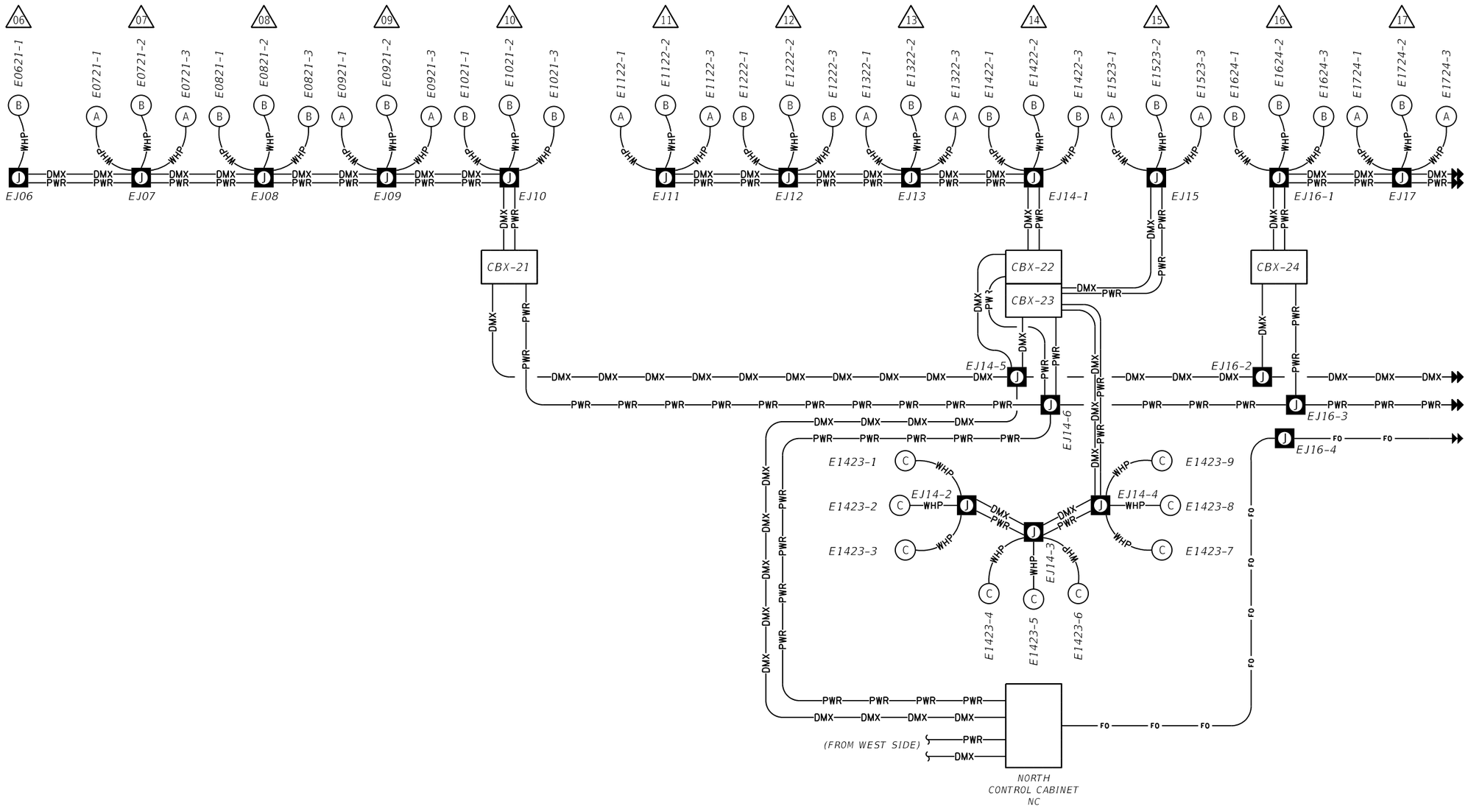
Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtamtino	DESIGNED - DAR	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEMATIC DIAGRAM - POSITION 74 - 78 (WEST) MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
		CHECKED - JDA	REVISED		
	PLOT SCALE = 24.0 ' / ft.	DRAWN - TRH	REVISED		
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED		SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	145
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-086-Wiring Diagram West 06.dgn

9/18/2019 2:50:49 PM



PIER 3

PIER 4

LEGEND

- WHP — WHP — Fixture Whip
- DMX — DMX — DMX 512 Cable
- PWR — PWR — Power Circuit
- FO — FO — Fiber Optic Cable
- 06 — Bridge Location (Truss) Number
- W1102-1 — Fixture Number; CBX Number; Bridge Location (Truss) Number; Bridge Side (W = West & E = East)
- B — Luminaire letter indicates the Luminaire type. See schedule.
- J — Junction Box; Bridge Side (W = West & E = East); Junction Box Number
- WJ14-2 — Junction Box Tag; Junction Box Number (If Used); Bridge Location
- CBX-02 — CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 – SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018110693.00 • Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-A91-Wiring Diagram East 01.dgn

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarnsino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2450 '/ ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

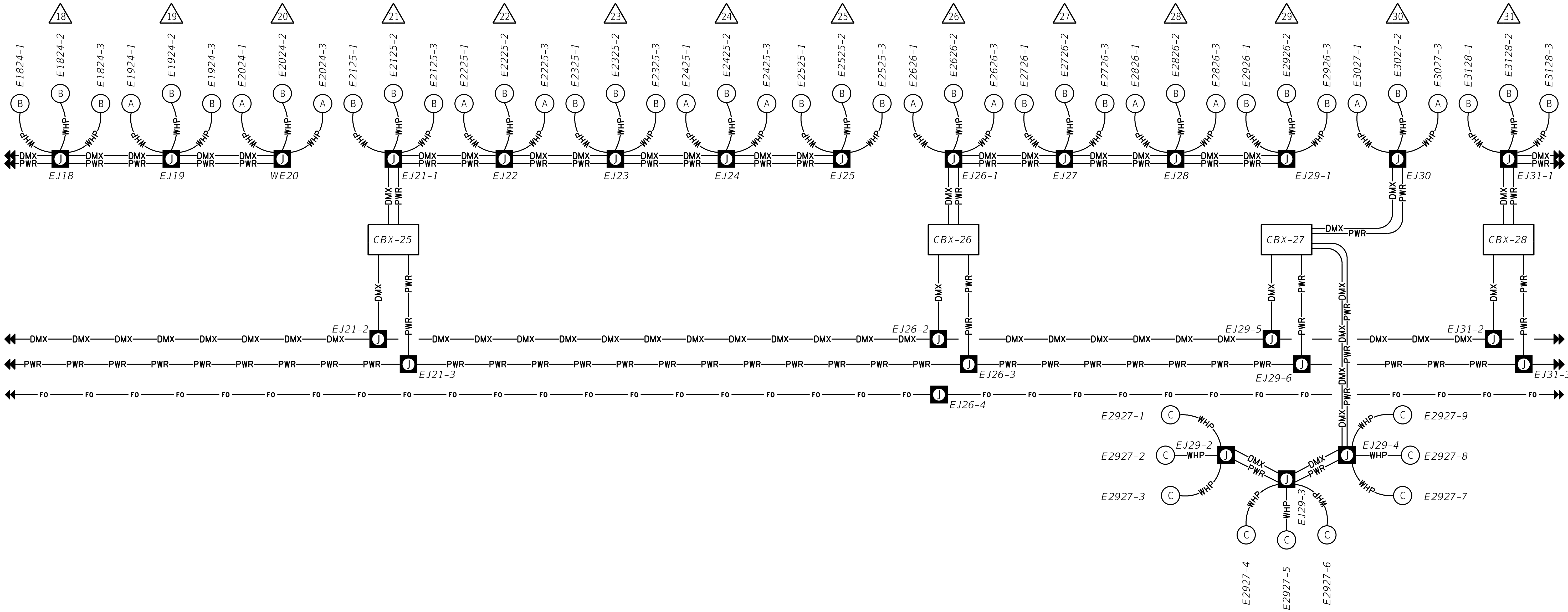
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEMATIC DIAGRAM - POSITION 06 -17 (EAST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	146
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

9/18/2019 2:50:50 PM



PIER 5

LEGEND

—WHP—WHP—	Fixture Whip
—DMX—DMX—	DMX 512 Cable
—PWR—PWR—	Power Circuit
—FO—FO—	Fiber Optic Cable

△ 06 — Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

J — Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 — CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24.0 ' / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

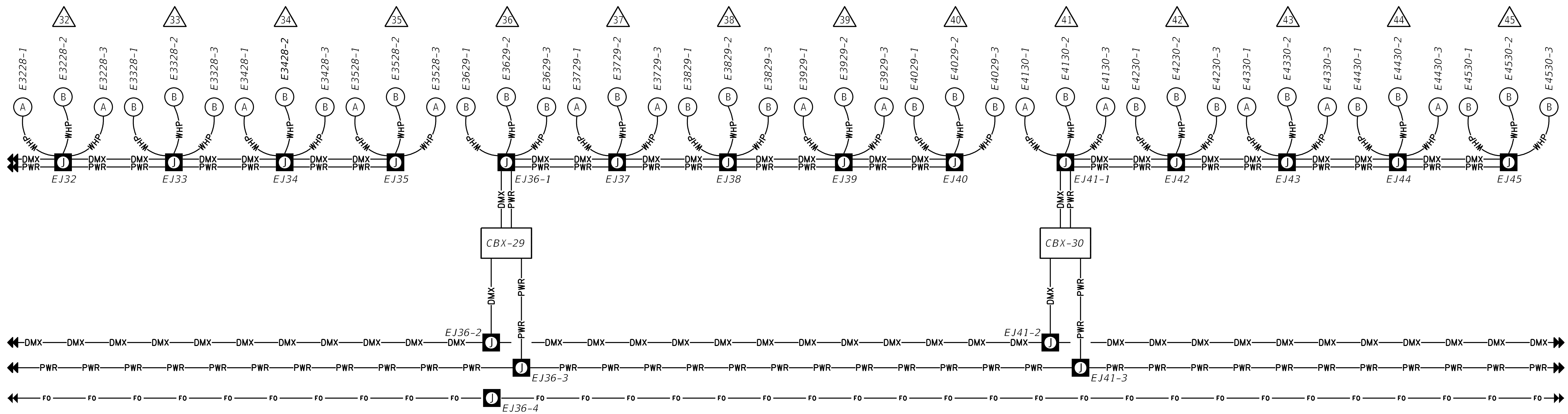
SCHEMATIC DIAGRAM - POSITION 18 - 31 (EAST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	147
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-092-Wiring Diagram East 02.dgn
9/18/2019 2:50:50 PM



LEGEND

—WHP——WHP— Fixture Whip

—DMX——DMX— DMX 512 Cable

—PWR——PWR— Power Circuit

——FO——FO— Fiber Optic Cable

(06) Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

(J) Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-093-Wiring Diagram East 03.dgn

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarntino	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 24.0 ' / ft.	DRAWN - TRH	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

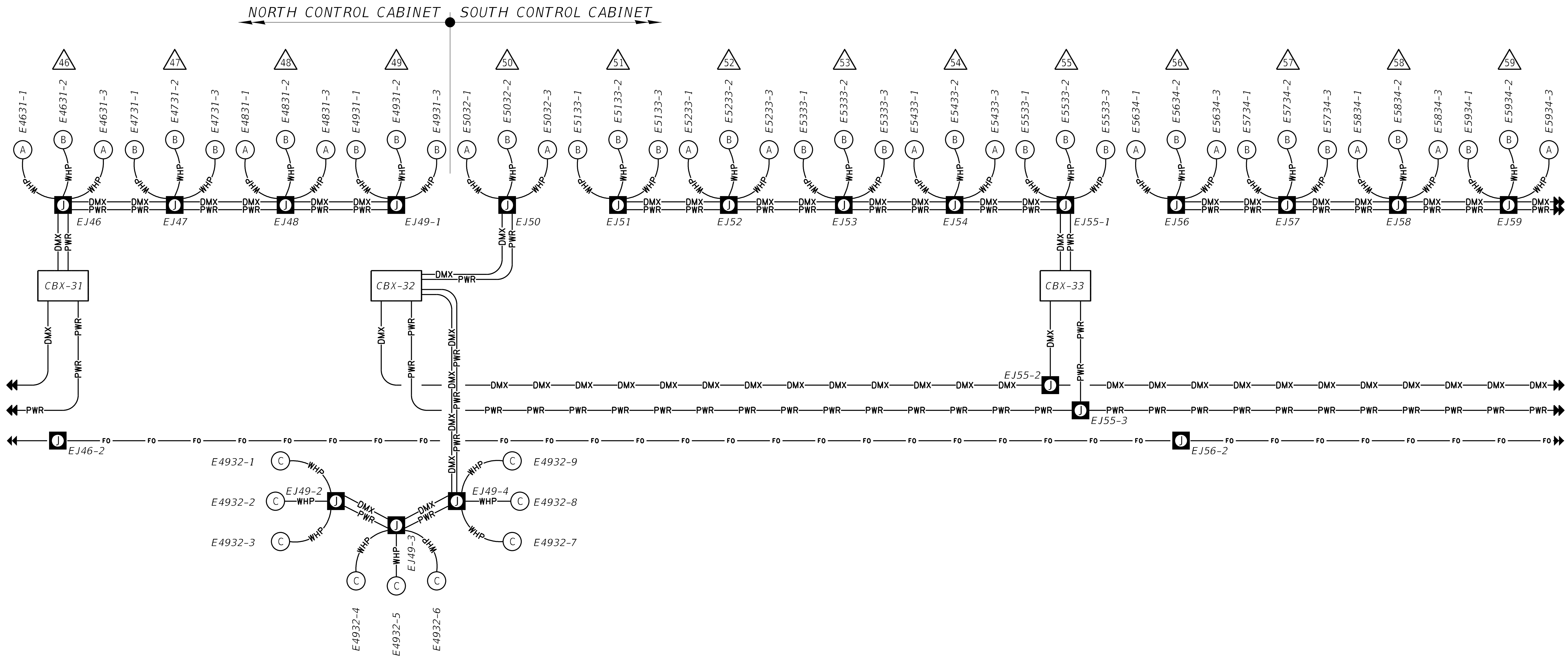
SCHEMATIC DIAGRAM - POSITION 32 - 45 (EAST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 3 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	148
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

** PEORIA / TAZEWELL

9/18/2019 2:50:51 PM



PIER 6

LEGEND

- WHP——WHP—— Fixture Whip
- DMX——DMX—— DMX 512 Cable
- PWR——PWR—— Power Circuit
- FO——FO—— Fiber Optic Cable
- △06 Bridge Location (Truss) Number
- W1102-1: Fixture Number; CBX Number; Bridge Location (Truss) Number; Bridge Side (W = West & E = East)
- (B) Luminaire letter indicates the Luminaire type. See schedule.
- Junction Box — WJ14-2: Bridge Side (W = West & E = East); Junction Box Number; Junction Box Tag; Junction Box Number (If Used); Bridge Location
- CBX-02: CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24:0 " / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

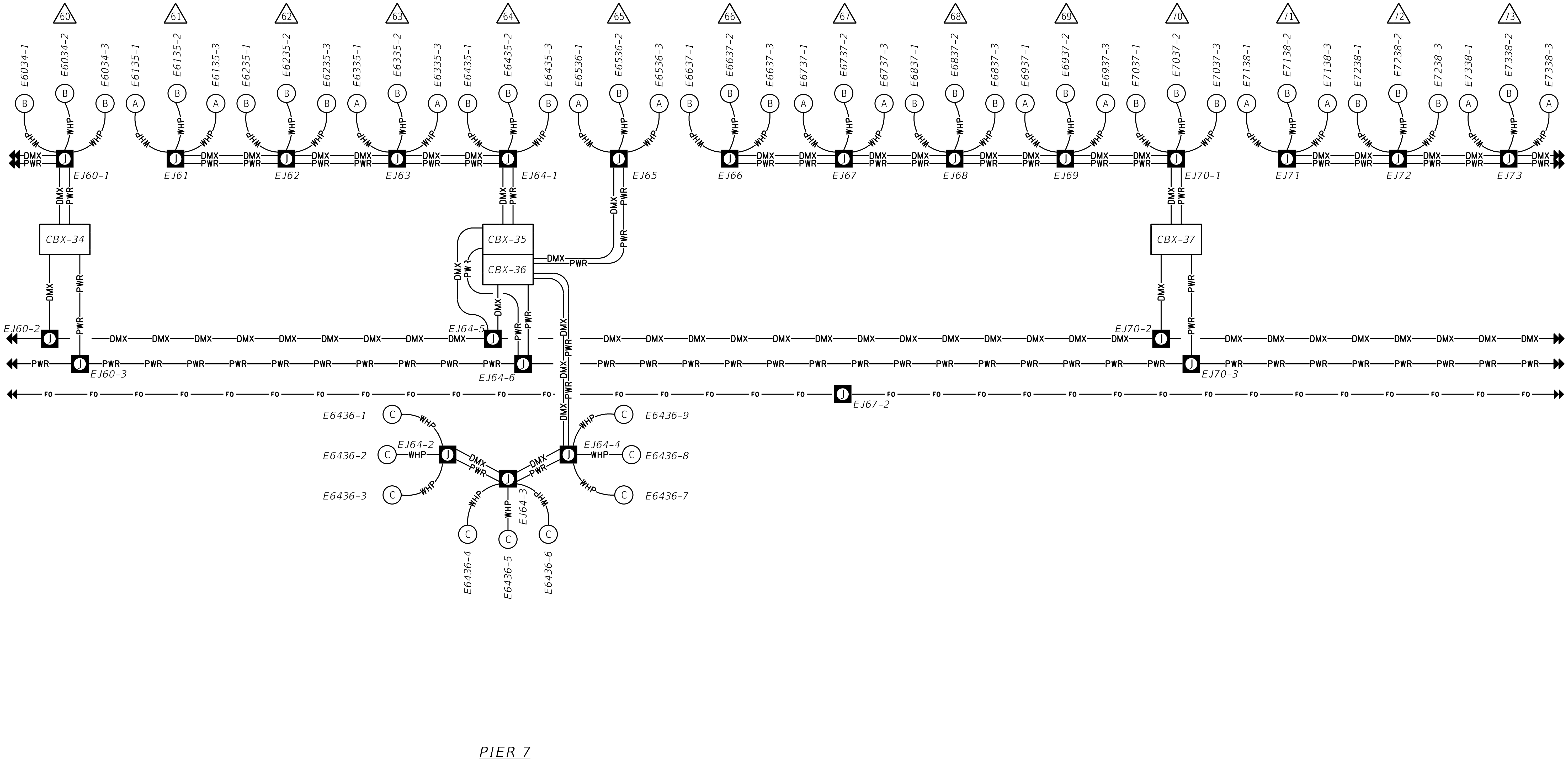
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEMATIC DIAGRAM - POSITION 46 - 59 (EAST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 4 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	149
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C890-094-Wiring Diagram East 04.dgn
9/18/2019 2:50:52 PM



LEGEND

WHP——WHP Fixture Whip

DMX——DMX DMX 512 Cable

PWR——PWR Power Circuit

FO——FO Fiber Optic Cable

△ 06 Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

(B) Luminaire letter indicates the Luminaire type. See schedule.

J Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 - SECTION 90(10D-1)BRR

PEORIA / TAZEWELL COUNTY

STATION 151+85

STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24:0 :" / ft.	DRAWN - TRH	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

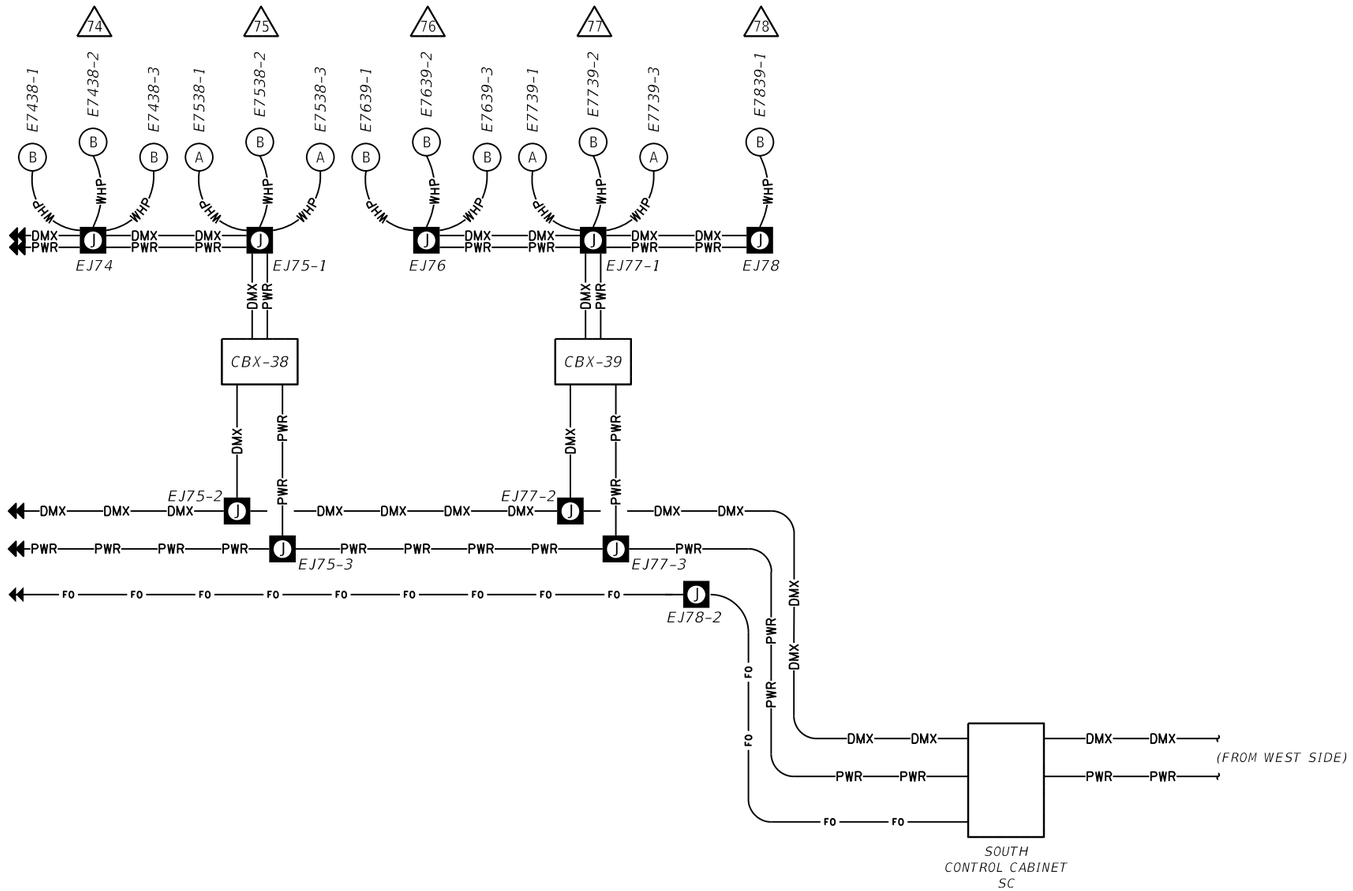
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEMATIC DIAGRAM - POSITION 60 - 73 (EAST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	150
		CONTRACT NO. 68C89		
		ILLINOIS FED. AID PROJECT		

** PEORIA / TAZEWELL



PIER 8

LEGEND

- WHP — WHP — Fixture Whip
- DMX — DMX — DMX 512 Cable
- PWR — PWR — Power Circuit
- FO — FO — Fiber Optic Cable

06 — Bridge Location (Truss) Number

W1102-1
- Fixture Number
- CBX Number
- Bridge Location (Truss) Number
- Bridge Side (W = West & E = East)

B — Luminaire letter indicates the Luminaire type. See schedule.

J — Junction Box
- Bridge Side (W = West & E = East)
- Junction Box Number

WJ14-2
- Junction Box Tag
- Junction Box Number (If Used)
- Bridge Location

CBX-02 — CBX Splitter Box for Power & DMX Control. The number indicates individual unit.

F.A.I. 74 – SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.ctb
MODEL: SHEET
FILE NAME: J:\2018\018106900 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89-09E-Wiring Diagram East 06.dgn
9/18/2019 2:50:53 PM

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rfarnsho	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2400 '' / ft.	DRAWN - TRH	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

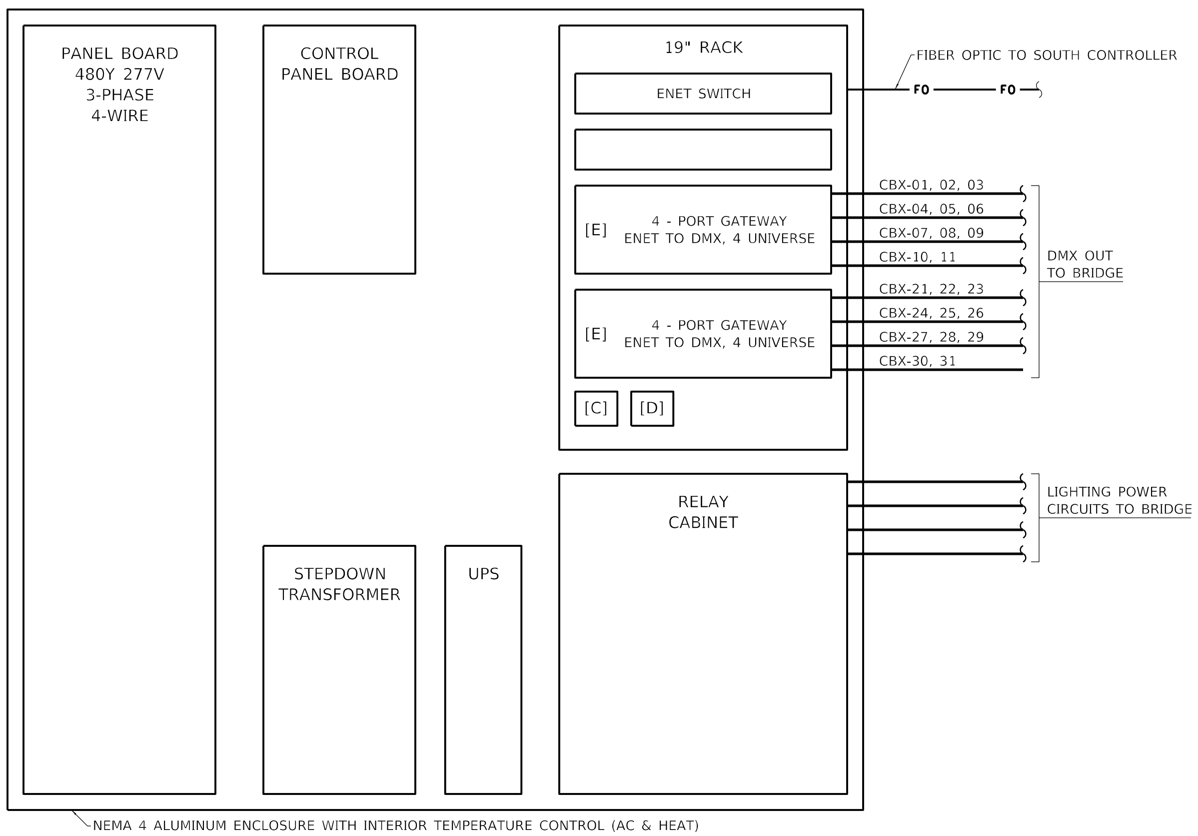
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEMATIC DIAGRAM - POSITION 74 - 78 (EAST)
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 6 OF 6 SHEETS

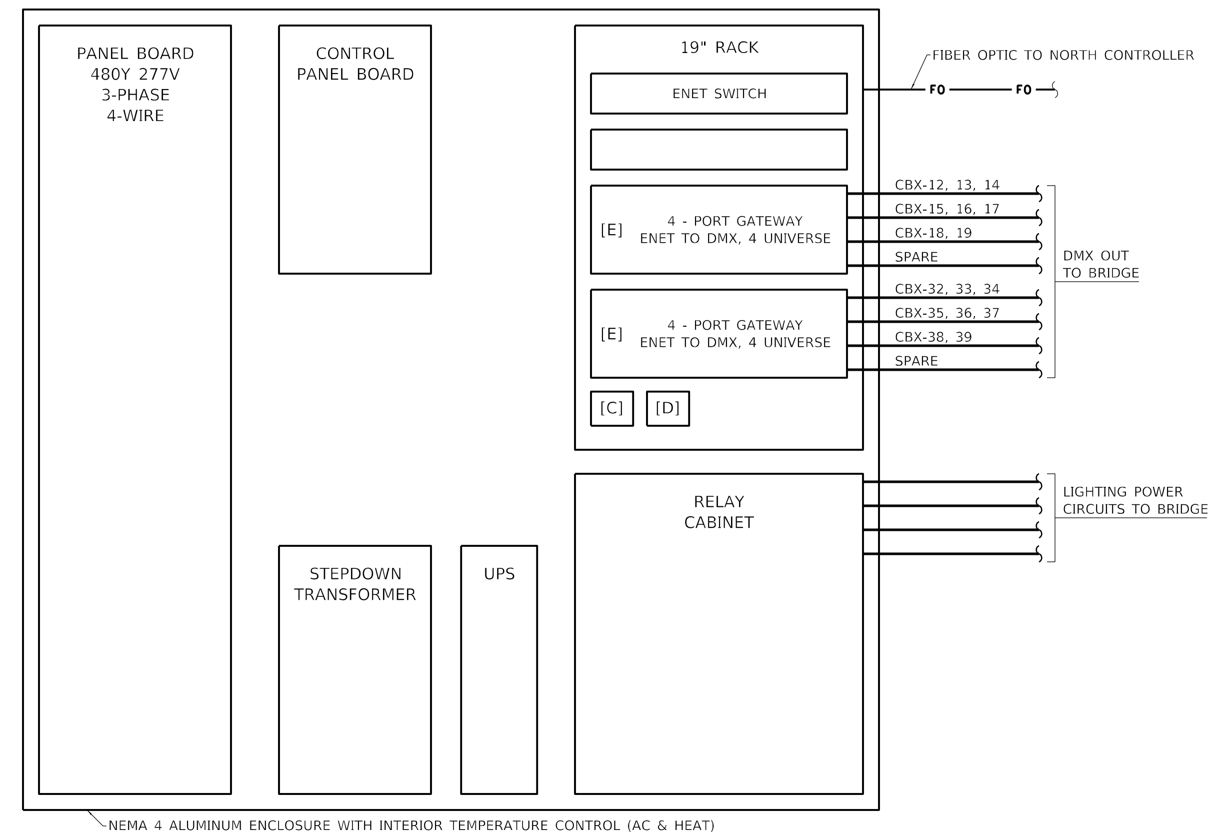
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	151
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

NORTH CONTROLLER



SOUTH CONTROLLER



PARTS LIST

ITEM	DESCRIPTION	DESIGNATION
A	UNISON MOSAIC W/1 MODULE RACKMOUNT	
B	48V POWER SUPPLY KIT	
C	UNISON MOSAIC SHOW CONTROLLER	
D	UNISON MOSAIC REMOTE I/O DEVICE	
E	RSN-DMX-T-RACK MK2 GW 4P TERM RACK MT	
F	ERP48-FT ENCLOSURE W/48 1P RELAYS	

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtamtino PLOT SCALE = 24:0 ':" / ft. PLOT DATE = 00/00/00	DESIGNED - DAR CHECKED - JDA DRAWN - RJT CHECKED - JJO	REVISED REVISED REVISED REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

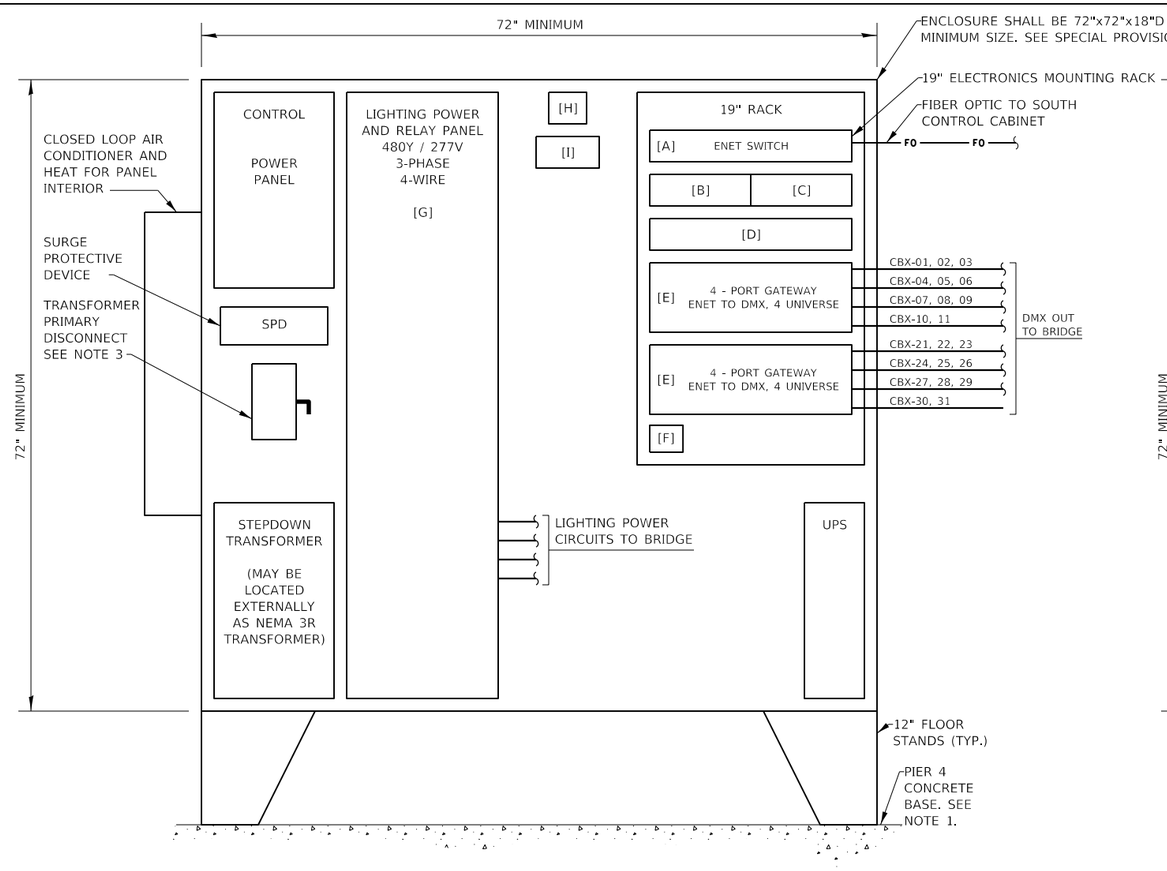
LIGHTING CONTROLLER DETAILS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 1 OF 2 SHEETS

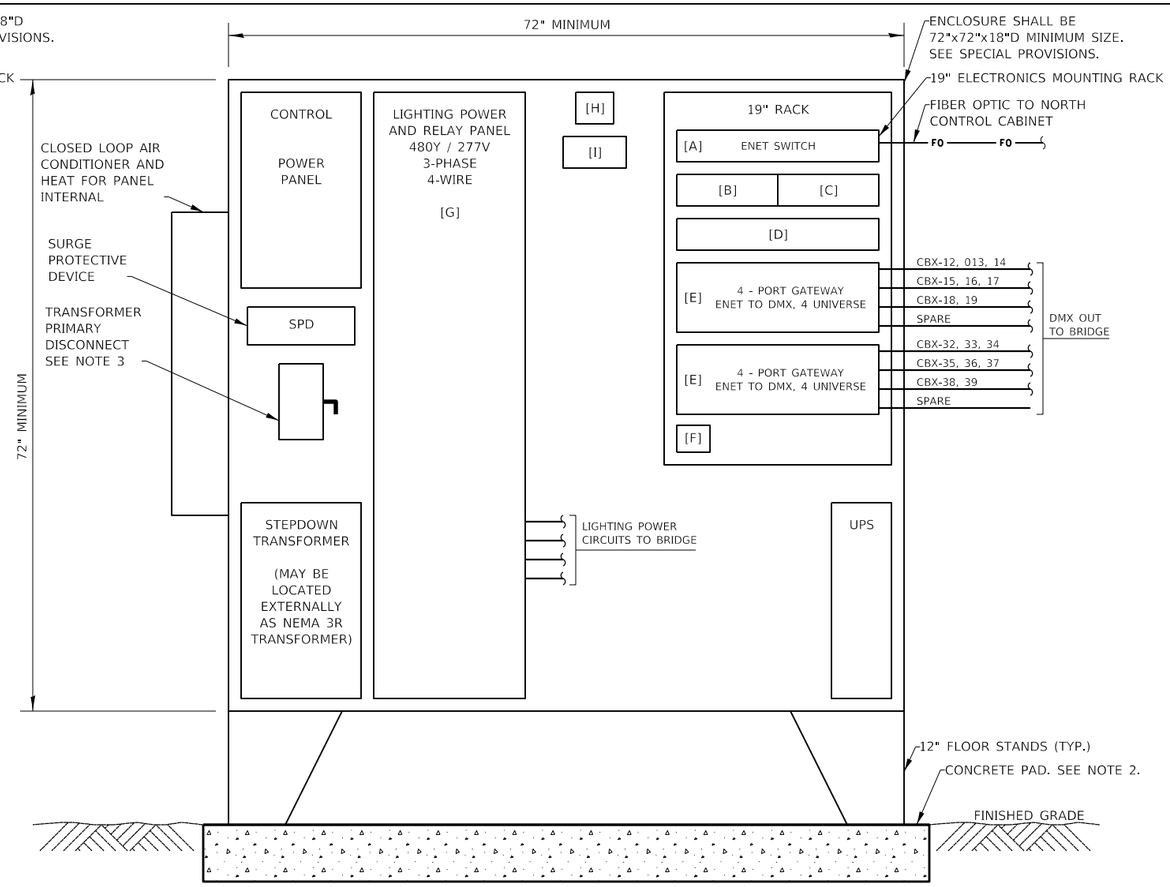
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	152
		CONTRACT NO. 68C89		
		ILLINOIS FED. AID PROJECT		

** PEORIA / TAZEWELL

8/8/2019 12:26:17 PM



NORTH CONTROL CABINET



SOUTH CONTROL CABINET

CONTROL CABINET NOTES:

1. LOCATE NORTH CONTROL CABINET ON TOP OF THE EXISTING CONCRETE FOUNDATION OF PIER 4. ORIENT PANEL NEAR WEST SIDE OF PIER WITH DOORS OPENING TO THE NORTH. COORDINATE WITH CITY FOR FINAL LOCATION AND ORIENTATION. ACCESS TO PANEL SHALL BE BY ELEVATED PLATFORM ADJACENT TO THE PIER STRUCTURE. CITY TO PROVIDE PLATFORM. PROVIDE MOUNTING SUPPORT FOR SERVICE DISCONNECT AND POWER COMPANY METER. METER MOUNTING SHALL BE ACCORDING TO POWER COMPANY REQUIREMENTS.

2. PROVIDE 6-INCH THICK PORTLAND CEMENT PAD FOR THE CONTROL CABINET FOUNDATION. PROVIDE 4-INCH THICK PORTLAND CEMENT WORK PAD IN FRONT OF THE CABINET AND EXTENDING 48-INCHES WITH WIDTH EQUAL TO CABINET WIDTH. COST OF FOUNDATION AND WORK PAD SHALL BE INCLUDED IN THE CONTROL CABINET PAY ITEM AND NOT MEASURED SEPARATELY.

3. CONTROL CABINET ONE-LINE DIAGRAM FOR ELECTRIC SERVICE AND CONNECTION DETAILS OF THE POWER EQUIPMENT SUPPLYING THE CONTROL CABINET EQUIPMENT.

4. CONTROL CABINET DETAIL IS FOR GENERAL ARRANGEMENT AND CONFIGURATION ONLY AND DOES NOT SHOW ALL EQUIPMENT THAT IS NEEDED FOR THE COMPLETE INSTALLATION. ADDITIONAL INFORMATION, COMPONENTS AND REQUIREMENTS ARE PROVIDED IN THE SPECIAL PROVISIONS. CONTROL CABINET MANUFACTURER SHALL PROVIDE A COMPLETE FUNCTIONAL SYSTEM TO PROVIDE POWER AND CONTROL TO THE BRIDGE MOUNTED DECORATIVE LIGHTING SYSTEM.

5. CONTROL CABINET SHALL BE SECURED TO CONCRETE PAD USING ¾" DIAMETER GALVANIZED ANCHOR BOLTS.

PARTS LIST

ITEM	DESCRIPTION
[A]	ETHERNET SWITCH
[B]	DMX CONTROLLER
[C]	CONTROLLER I/O MODULE
[D]	USER INTERFACE
[E]	ETHERNET - TO - DMX GATEWAY
[F]	RACK POWER SUPPLY
[G]	LIGHTING POWER AND RELAY PANEL
[H]	MARINE BAND RADIO CONTROL UNIT
[I]	LIGHTING CONTACTOR

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

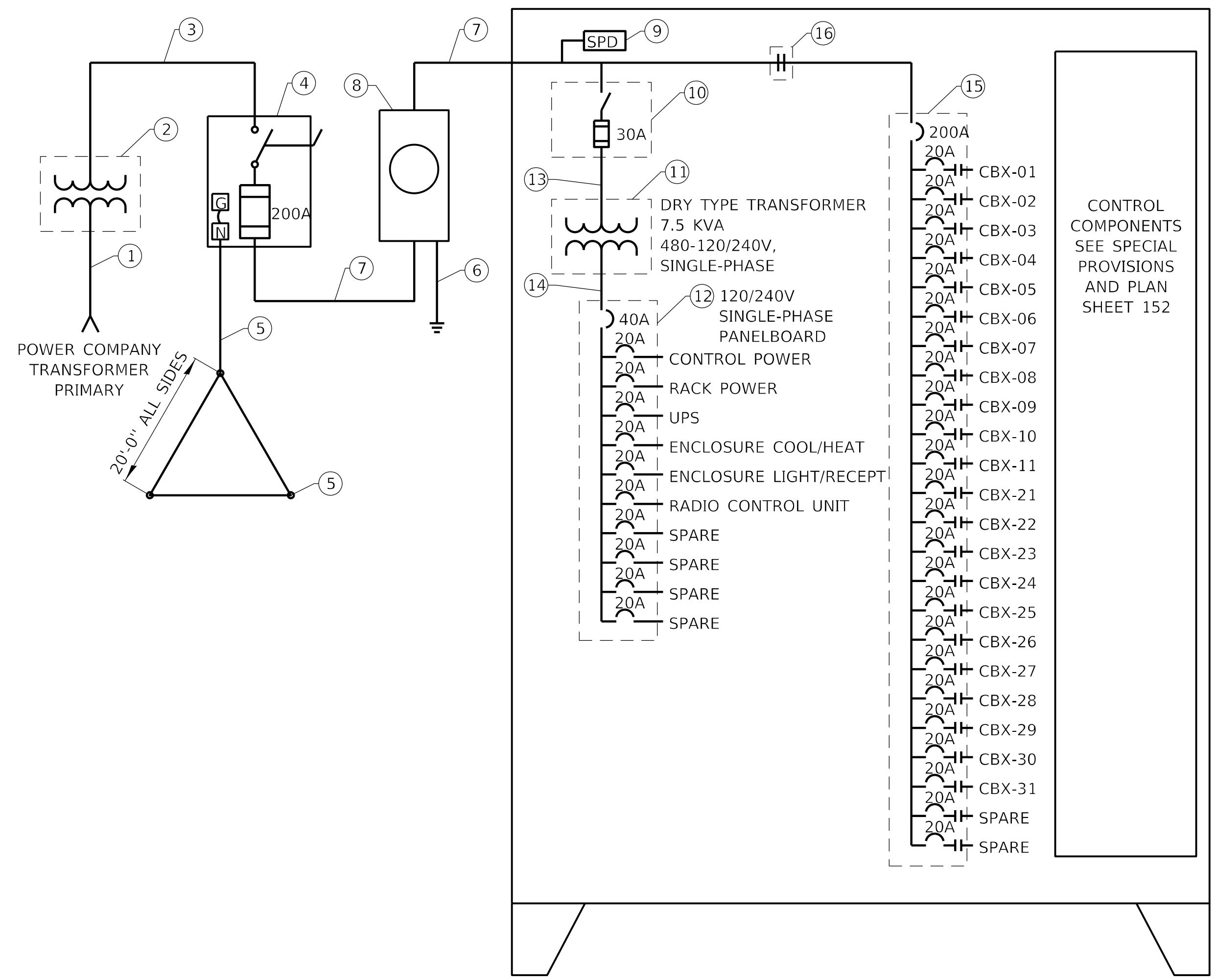
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTROL CABINET DETAILS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

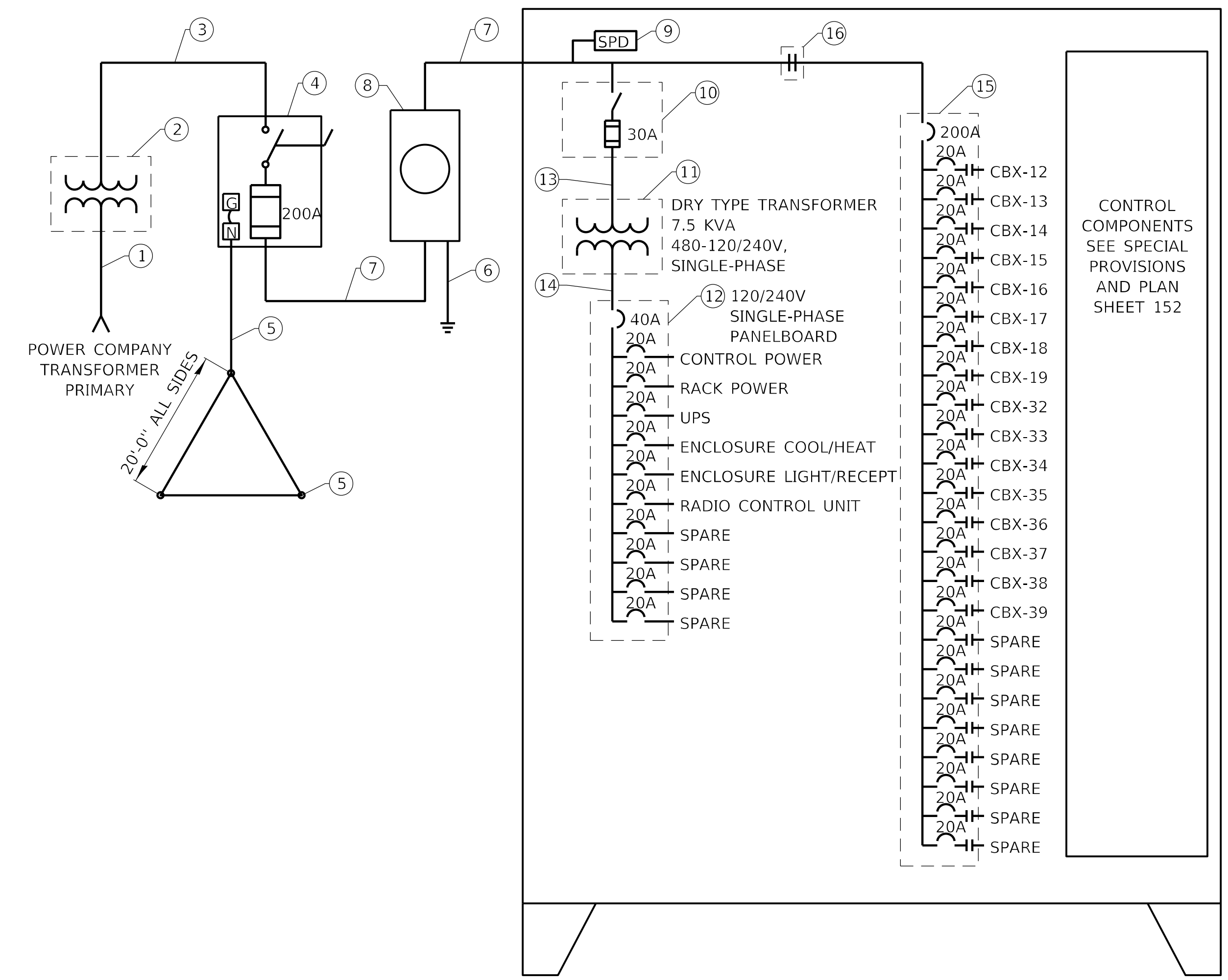
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	152A
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

** PEORIA / TAZEWELL

PRINT DRIVER: 090000I-68C89BR_PDF_FI_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2019\19170693.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090000I-68C89b-152A-Control Cabinet Details.dgn
9/18/2019 2:50:54 PM



NORTH CONTROL CABINET



SOUTH CONTROL CABINET

CONTROLLERS KEYED NOTES:

1. POWER COMPANY PRIMARY CABLE AND CONDUITS.
2. POWER COMPANY PAD MOUNTED TRANSFORMER AND CONCRETE MOUNTING PAD. SEE DETAIL.
3. UNDERGROUND SERVICE 3#3/0, 1#3/0N, 2"C.
4. 200A, 3-P, FUSED SERVICE DISCONNECT SWITCH, 600V, HEAVY-DUTY, NEMA 4X WITH FUSES, SE RATED.
5. ELECTRODE GROUNDING CONDUCTOR #4 BARE COPPER IN 3/4" PVC. GROUNDING TRIANGLE SHALL BE 10' X 3/4" COPPER CLAD STEEL RODS DRIVEN FULLY INTO EARTH. CONNECT RODS WITH #4 BARE COPPER CONDUCTOR. ALL CONNECTIONS EXOTHERMICALLY WELDED. TOP OF RODS SHALL BE 6" BELOW FINISHED GRADE. BOND NEUTRAL AND GROUND IN DISCONNECT SWITCH WITH #4 COPPER.
6. PROVIDE METER GROUNDING REQUIRED BY POWER COMPANY. BOND POWER COMPANY TO SERVICE GROUNDING ELECTRODE WITH #4 BARE COPPER CONDUCTOR.
7. 3#3/0, 1#3/0N, 1#6G, 2"C.
8. PROVIDE METER BASE AS REQUIRED BY POWER COMPANY. COORDINATE METER CIRCUIT LOCATION WITH POWER COMPANY AND PROVIDE ACCORDINGLY (COLD VS. HOT METERING).
9. SURGE PROTECTIVE DEVICE. SEE CONTROL CABINET SPECIAL PROVISION.
10. FUSED DISCONNECT SWITCH FOR STEP-DOWN TRANSFOMER PRIMARY FEED.
11. STEP-DOWN TRANSFORMER. SEE CONTROL CABINET SPECIAL PROVISION.
12. CIRCUIT BREAKER PANELBOARD FOR CONTROL POWER. SEE CONTROL CABINET SPECIAL PROVISION.
13. 3#10, 1#10G.
14. 2#8, 1#8N, 1#10G.
15. LIGHTING POWER AND RELAY PANEL. SEE CONTROL CABINET SPECIAL PROVISION.
16. 200A, 3-POLE, NEMA LIGHTING CONTACTOR SQUARE D TYPE S. PROVIDE AUXILIARY CONTACT FOR INPUT TO THE DMX CONTROLLER.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP, 100 WALNUT ST., SUITE 200, PEORIA, ILLINOIS 61602, (309) 689-9888 / info@f-w.com	USER NAME = rtamlino	DESIGNED - DAR	REVISED
		CHECKED - JDA	REVISED
	PLOT SCALE = 24.0 ' / ft.	DRAWN - RJT	REVISED
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

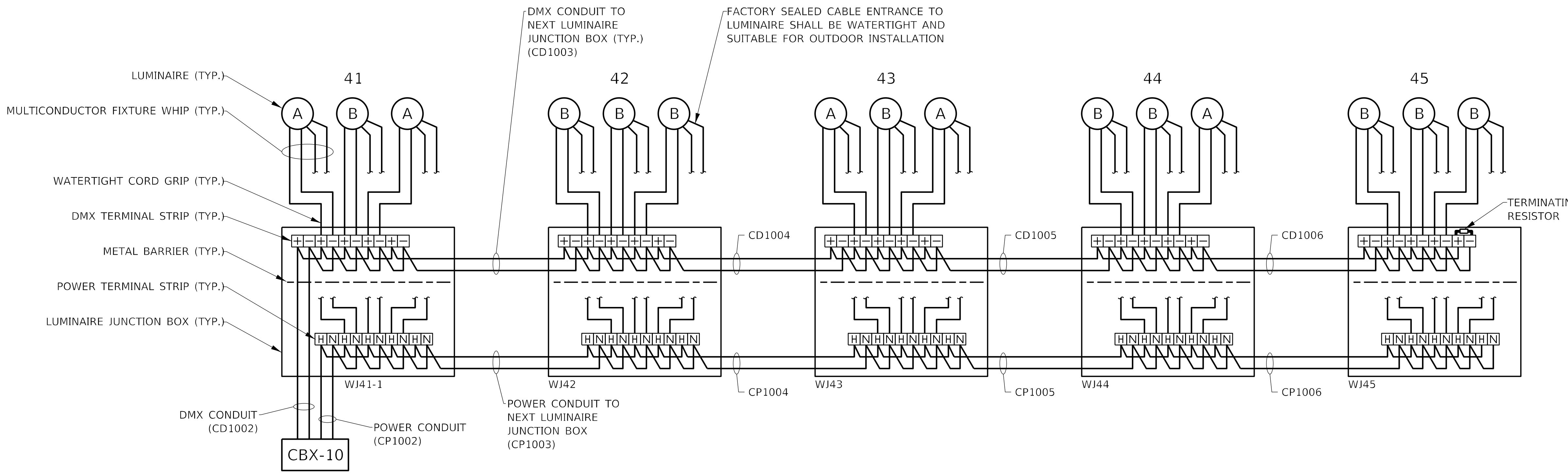
CONTROL CABINET POWER DETAILS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	152B

CONTRACT NO. 68C89
ILLINOIS FED. AID PROJECT
** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-152B-Control Cabinet Power Details.dgn
9/18/2019 2:50:55 PM



LUMINAIRE AND JUNCTION BOX DETAIL

LUMINAIRE AND JUNCTION BOX WIRING DETAIL NOTES:

1. DETAIL IS FOR CBX-10 AND ASSOCIATED LUMINAIRE WIRING AND IS SHOWN FOR GENERAL CONNECTION CONFIGURATION FOR ALL LUMINAIRES. CONTRACTOR SHALL PROVIDE WIRING AND CONNECTIONS SIMILAR TO THIS DETAIL FOR ALL LUMINAIRES AND SPECIFICALLY FOR THE EQUIPMENT AT EACH LOCATION. MANUFACTURER SHALL PRODUCE DETAILED CONNECTION DRAWINGS SHOWING EACH DEVICE INCLUDING WIRE NUMBERS AND ASSOCIATED TERMINAL NUMBERS. OBTAIN FROM THE LIGHTING EQUIPMENT MANUFACTURER AND CONTROL SYSTEM SUPPLIER COMPLETE AND DETAILED CONNECTION DRAWINGS THAT ARE SPECIFICALLY FOR THIS PROJECT THAT SHOW ALL LUMINAIRE, LUMINAIRE JUNCTION BOXES, CBX UNITS, RACEWAYS AND CONTROL EQUIPMENT FIELD WIRING CABLES AND CONNECTIONS. INSTALL ACCORDING TO THE MANUFACTURER'S SPECIFIC DIAGRAMS AND INSTRUCTIONS. POWER AND DMX CABLE CONNECTIONS TO THE CBX BOX FROM THE CONTROLLER IS NOT SHOWN.
2. SEE WIRE AND CABLE SCHEDULE FOR CONDUCTOR SIZES AND QUANTITIES.
3. GROUND WIRING (POWER AND DMX GROUND/SHIELD) IS NOT SHOWN IN THIS DETAIL. PROVIDE GROUNDING AS REQUIRED FOR SAFE AND ERROR FREE WIRING. BOND LUMINAIRE JUNCTION BOX TO EQUIPMENT GROUND.
4. SEE LUMINAIRE JUNCTION BOX DETAIL FOR SIZE AND CONSTRUCTION DETAILS OF THE JUNCTION BOX.
5. DETERMINE FINAL LOCATION OF LUMINAIRE JUNCTION BOX AND PROVIDE EACH FIXTURE WITH SUFFICIENT LENGTH OF A FACTORY SEALED CABLE PIGTAIL (FIXTURE WHIP) REQUIRED TO REACH EACH JUNCTION BOX. COORDINATE WITH FIXTURE MANUFACTURER FOR MAXIMUM LENGTH OF WHIP ALLOWED FOR THIS APPLICATION AND INSTALL ACCORDINGLY.
6. PROVIDE TERMINATING RESISTORS IN THE DMX WIRING AS NEEDED FOR PROPER OPERATION AND RELIABLE OPERATION OF THE LUMINAIRES. COORDINATE WITH THE MANUFACTURER TO DETERMINE THE REQUIRED RESISTOR TYPE, VALUE AND PROPER LOCATION FOR INSTALLATION. RESISTOR SHOWN ON THIS DIAGRAM IS FOR REFERENCE ONLY.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 24:0 '' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE WIRING DETAIL
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

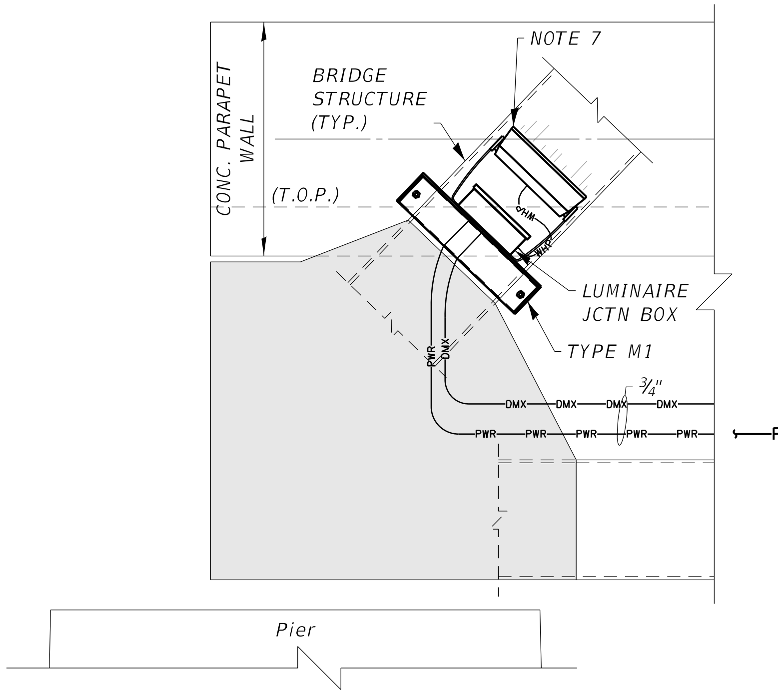
SHEET 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	152C
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

** PEORIA / TAZEWELL

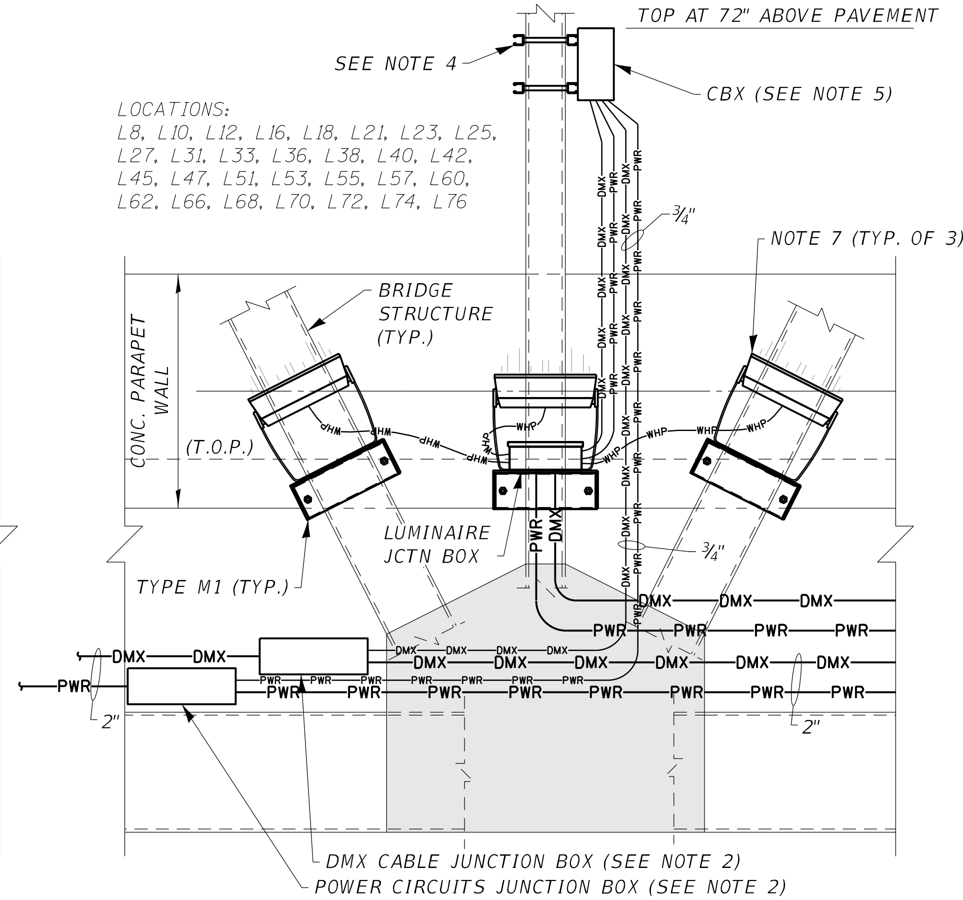
PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-152C-Luminaire + JB Wiring.dgn
9/18/2019 2:50:55 PM

LOCATIONS:
L6, L78



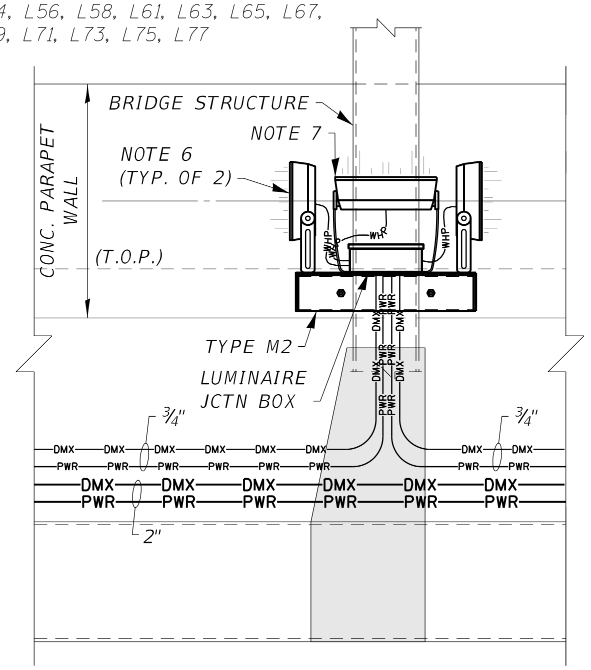
LUMINAIRE AND JUNCTION BOX MOUNTING DETAIL

LOCATIONS:
L8, L10, L12, L16, L18, L21, L23, L25, L27, L31, L33, L36, L38, L40, L42, L45, L47, L51, L53, L55, L57, L60, L62, L66, L68, L70, L72, L74, L76

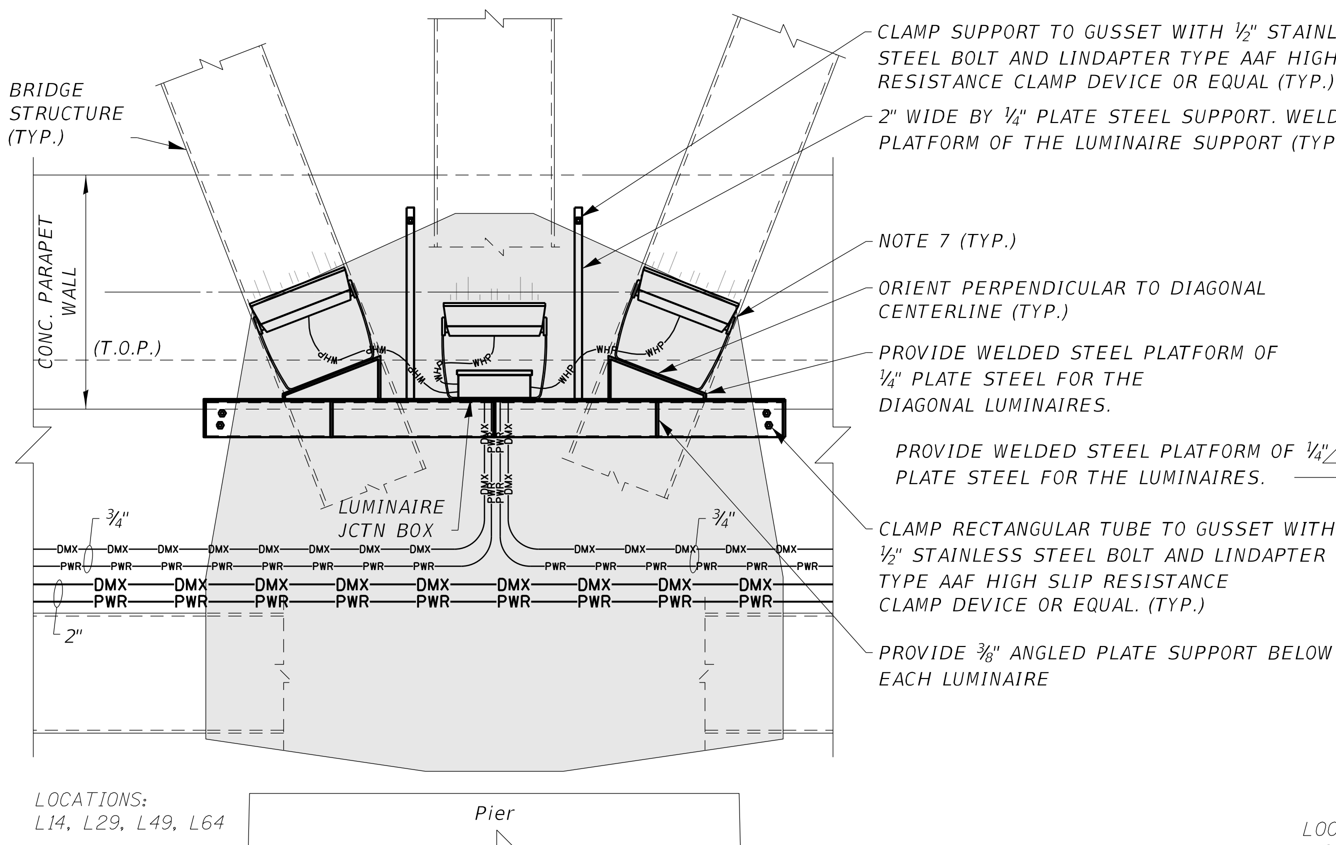


LUMINAIRE AND JUNCTION BOX MOUNTING DETAIL

LOCATIONS:
L7, L9, L11, L13, L15, L17, L20, L22, L24, L26, L28, L30, L32, L35, L37, L39, L41, L43, L46, L48, L50, L52, L54, L56, L58, L61, L63, L65, L67, L69, L71, L73, L75, L77



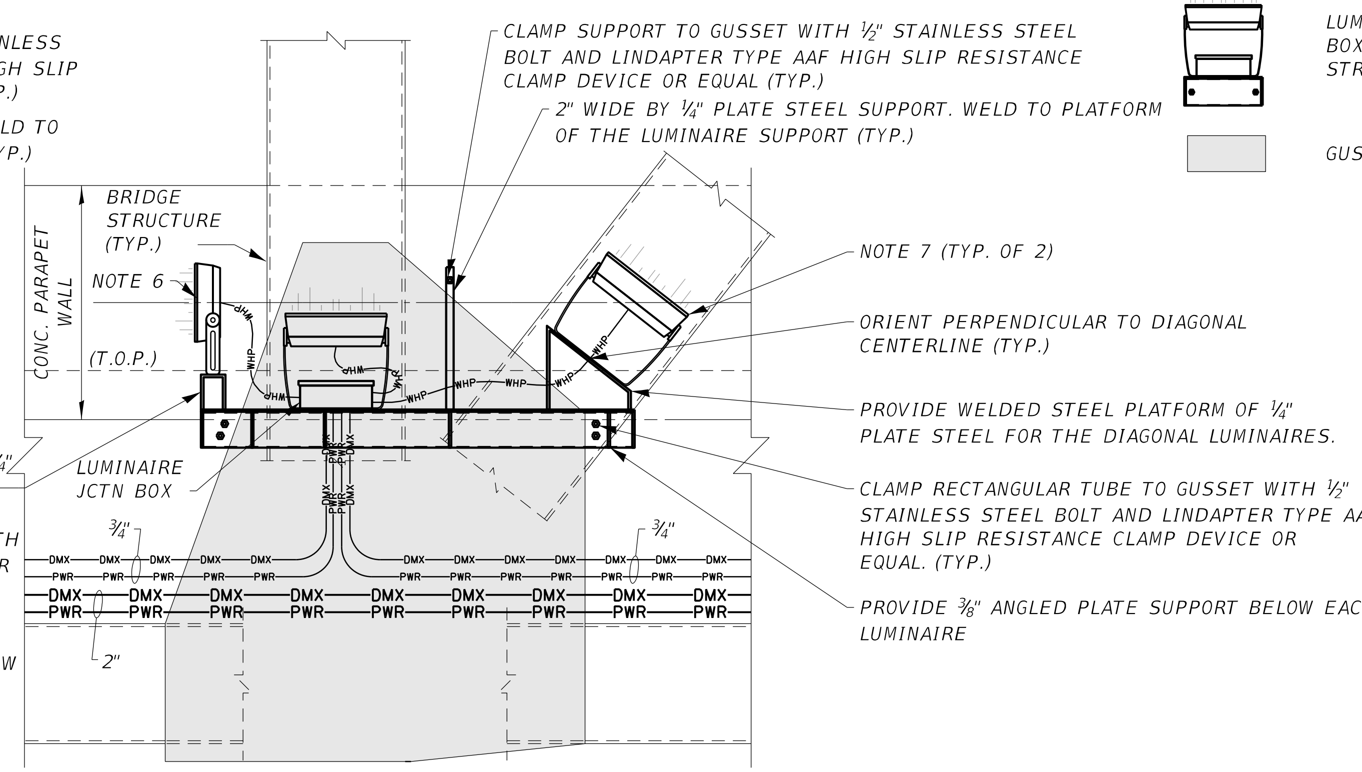
LUMINAIRE AND JUNCTION BOX MOUNTING DETAIL



BRIDGE STRUCTURE (TYP.)
CLAMP SUPPORT TO GUSSET WITH ½" STAINLESS STEEL BOLT AND LINDAPTER TYPE AAF HIGH SLIP RESISTANCE CLAMP DEVICE OR EQUAL (TYP.)
2" WIDE BY ¼" PLATE STEEL SUPPORT. WELD TO PLATFORM OF THE LUMINAIRE SUPPORT (TYP.)
NOTE 7 (TYP.)
ORIENT PERPENDICULAR TO DIAGONAL CENTERLINE (TYP.)
PROVIDE WELDED STEEL PLATFORM OF ¼" PLATE STEEL FOR THE DIAGONAL LUMINAIRES.
PROVIDE WELDED STEEL PLATFORM OF ¼" PLATE STEEL FOR THE LUMINAIRES.
CLAMP RECTANGULAR TUBE TO GUSSET WITH ½" STAINLESS STEEL BOLT AND LINDAPTER TYPE AAF HIGH SLIP RESISTANCE CLAMP DEVICE OR EQUAL. (TYP.)
PROVIDE ⅜" ANGLED PLATE SUPPORT BELOW EACH LUMINAIRE
CONC. PARAPET WALL
(T.O.P.)
LUMINAIRE JCTN BOX
¾"
2"
Pier

LOCATIONS:
L14, L29, L49, L64

LUMINAIRE AND JUNCTION BOX MOUNTING DETAIL



CLAMP SUPPORT TO GUSSET WITH ½" STAINLESS STEEL BOLT AND LINDAPTER TYPE AAF HIGH SLIP RESISTANCE CLAMP DEVICE OR EQUAL (TYP.)
2" WIDE BY ¼" PLATE STEEL SUPPORT. WELD TO PLATFORM OF THE LUMINAIRE SUPPORT (TYP.)
BRIDGE STRUCTURE (TYP.)
NOTE 6
CONC. PARAPET WALL
(T.O.P.)
NOTE 7 (TYP. OF 2)
ORIENT PERPENDICULAR TO DIAGONAL CENTERLINE (TYP.)
PROVIDE WELDED STEEL PLATFORM OF ¼" PLATE STEEL FOR THE DIAGONAL LUMINAIRES.
CLAMP RECTANGULAR TUBE TO GUSSET WITH ½" STAINLESS STEEL BOLT AND LINDAPTER TYPE AAF HIGH SLIP RESISTANCE CLAMP DEVICE OR EQUAL. (TYP.)
PROVIDE ⅜" ANGLED PLATE SUPPORT BELOW EACH LUMINAIRE
LUMINAIRE JCTN BOX
¾"
2"

LOCATIONS:
L19, L34, L44, L59

LUMINAIRE AND JUNCTION BOX MOUNTING DETAIL

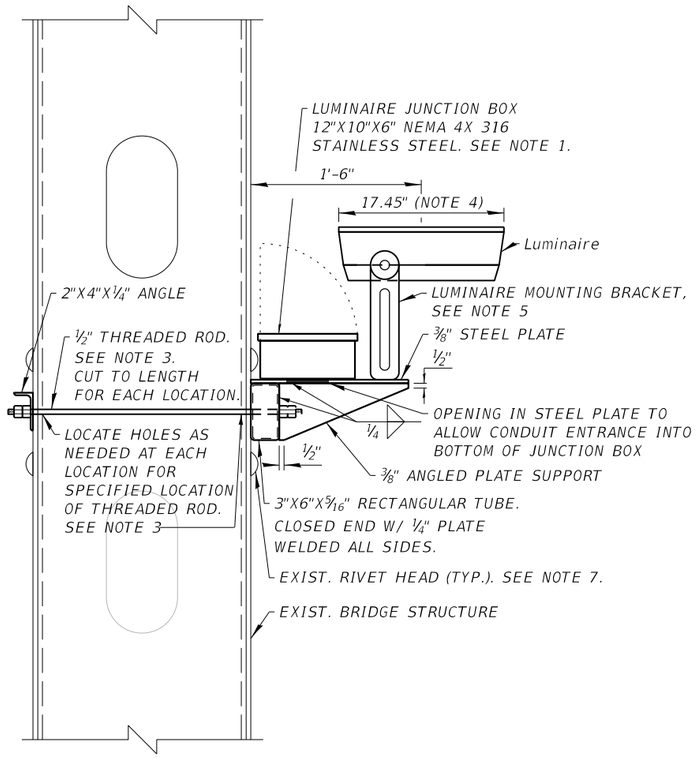
NOTES

1. SUPPORT CONDUIT FROM BOTTOM CHORD BEAM WITH GALVANIZED STEEL CHANNEL. SEE CONDUIT SUPPORT DETAIL, SHEET 156.
2. PROVIDE 18"X12"X6" 316 STAINLESS STEEL NEMA 4X JUNCTION BOX. SUPPORT FROM BOTTOM CHORD BEAM WITH GALVANIZED STEEL CHANNEL. ORIENT WITH COVER UP. DO NOT SPLICE IN JUNCTION BOX.
3. FIBER OPTIC CONDUIT AND JUNCTION BOXES NOT SHOWN. MOUNT CONDUIT ON SAME SUPPORT AS DMX AND POWER CONDUIT.
4. SECURE CBX TO COLUMN WITH GALVANIZED CHANNEL AND ½" THREADED ROD.
5. CBX AND CONDUIT ROUTING SHOWN IN ONE DETAIL, FOR REFERENCE. OTHER LOCATIONS MAY REQUIRE CBX AND CONDUIT ROUTING SIMILAR TO THE ONE SHOWN. SEE SCHEMATIC DIAGRAM SHEETS FOR ALL LOCATIONS WITH CBX MOUNTING.
6. LUMINAIRE TYPE A. LOCATE TO ALIGN BEAM CENTER WITH CENTERLINE OF PARAPET WALL EXTERIOR SURFACE.
7. LUMINAIRE TYPE B. LOCATE TO CENTER WITH CENTERLINE OF COLUMN OR DIAGONAL.

LEGEND

—PWR—	POWER CONDUIT
—DMX—	DMX CONDUIT
—WHP—WHP—	FIXTURE WHIP
(T.O.P.)	TOP OF PAVEMENT
[symbol]	LUMINAIRE, JUNCTION BOX AND SUPPORT STRUCTURE
[shaded]	GUSSET PLATE

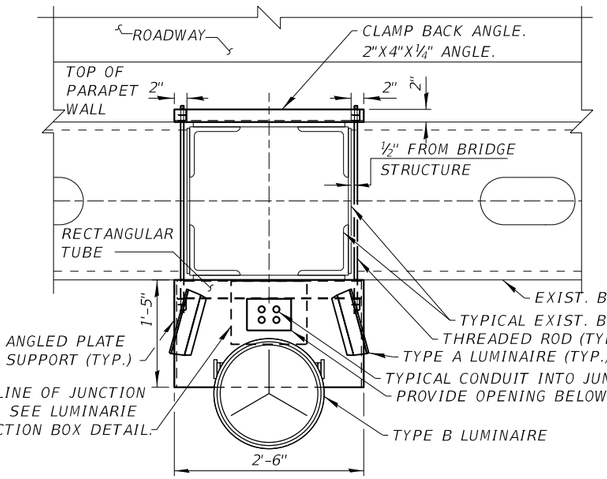
F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001



LUMINAIRE SUPPORT TYPICAL DETAIL

LUMINAIRE SUPPORT NOTES:

1. JUNCTION BOX SHALL HAVE HINGED COVER, SCREW CLAMP INNER STEEL PANEL, DIN RAIL MOUNTED TERMINAL STRIPS AND GROUNDED STEEL BARRIER TO SEPARATE TERMINALS FOR DMX WIRING AND LUMINAIRE POWER WIRING. SECURE TO PLATE WITH GALVANIZED FASTENERS. SECURE WITH THREAD LOCKING COMPOUND. SEE LUMINAIRE JUNCTION BOX DETAIL.
2. FABRICATE SUPPORT FROM WELDED CARBON STEEL PLATE AND STRUCTURAL STEEL SHAPES. GALVANIZE STEEL FABRICATION ANGLE AND ROD AFTER CUTTING AND WELDING.
3. LOCATE THREADED ROD 1/2" FROM BRIDGE STRUCTURE. DO NOT ALLOW ROD TO BE IN CONTACT WITH NOR FURTHER AWAY FROM THE STRUCTURE.
4. DIMENSION AND FIXTURE DETAIL SHOWN IS FOR ONE MANUFACTURES LUMINAIRE AND IS NOT TYPICAL FOR ALL EQUIPMENT ALLOWED. CONTRACTOR SHALL MODIFY SUPPORT DESIGN TO ACCOMMODATE THE SPECIFIC LUMINAIRES AND MOUNTING DETAILS FOR LUMINAIRES SUPPLIED.
5. SECURE LUMINAIRE MOUNTING BRACKET TO PLATE WITH GALVANIZED HARDWARE. DOUBLE-NUT FASTENERS.
6. TIGHTEN THREADED RODS TO CLAMP SUPPORT SECURELY ON BRIDGE STRUCTURE. USE DOUBLE NUTS TO PREVENT SUPPORT FROM LOOSENING.
7. PROVIDE SHIM BETWEEN TUBE OR ANGLE AND BRIDGE SURFACE IF LOCATION IS IN CONFLICT EXISTING RIVETS. SHIM PLATE SHALL BE GALVANIZED STEEL OF SAME SIZE AS TUBE. DRILL HOLE THROUGH PLATE AT RIVET LOCATION.
8. PROVIDE 1/4" DIA. WEEP HOLES IN BOTTOM OF TUBE BELOW HOLES FOR THREADED ROD, ONE HOLE AT EACH LOCATION.

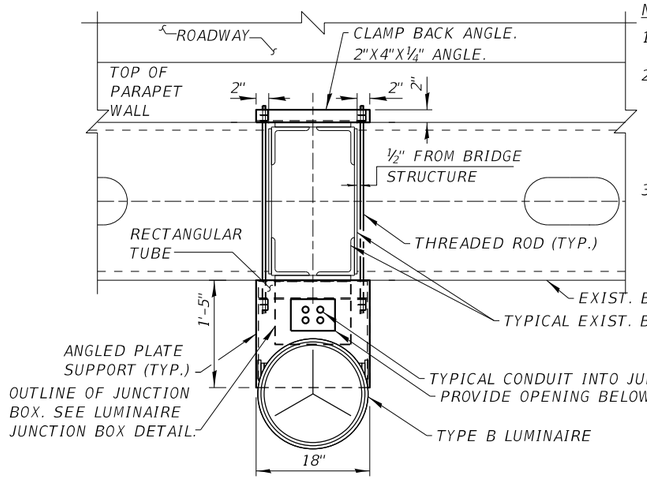


LUMINAIRE SUPPORT TYPE M2 PLAN DETAIL

TYPE A AND TYPE B FIXTURE INSTALLATION

NOTES:

1. SEE LUMINAIRE SUPPORT TYPICAL DETAIL FOR FABRICATION.
2. DIMENSIONS SHOWN AND LUMINAIRE DETAIL IS FOR ONE MANUFACTURERS LUMINAIRE AND IS NOT TYPICAL FOR ALL EQUIPMENT ALLOWED. CONTRACTOR SHALL MODIFY SUPPORT DESIGN TO ACCOMODATE THE SPECIFIC LUMINAIRES AND MOUNTING DETAILS FOR THE LUMINAIRE SUPPLIED.
3. BRIDGE STRUCTURE CROSS SECTION VARIES AT EACH LOCATION. PROVIDE HOLES FOR THREADED RODS TO SUIT THE DIMENSIONS OF THE BRIDGE STRUCTURE WHERE MOUNTED. INCREASE WIDTH OF CLAMP BACK ANGLE AND RECTANGULAR TUBE AS NEEDED FOR BRIDGE STRUCTURE LOCATION.



LUMINAIRE SUPPORT TYPE M1 PLAN DETAIL

TYPE B FIXTURE INSTALLATION

NOTES:

1. SEE LUMINAIRE SUPPORT TYPICAL DETAIL FOR FABRICATION.
2. DIMENSIONS SHOWN AND LUMINAIRE DETAIL IS FOR ONE MANUFACTURERS LUMINAIRE AND IS NOT TYPICAL FOR ALL EQUIPMENT ALLOWED. CONTRACTOR SHALL MODIFY SUPPORT DESIGN TO ACCOMODATE THE SPECIFIC LUMINAIRES AND MOUNTING DETAILS FOR THE LUMINAIRE SUPPLIED.
3. BRIDGE STRUCTURE CROSS SECTION VARIES AT EACH LOCATION. PROVIDE HOLES FOR THREADED RODS TO SUIT THE DIMENSIONS OF THE BRIDGE STRUCTURE WHERE MOUNTED. INCREASE WIDTH OF CLAMP BACK ANGLE AND RECTANGULAR TUBE AS NEEDED FOR BRIDGE STRUCTURE LOCATION.

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2400 '-' / ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

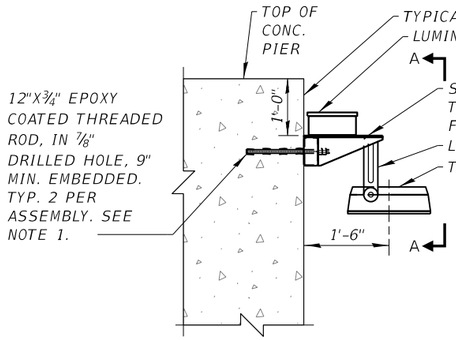
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE MOUNTING DETAILS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 2 OF 3 SHEETS

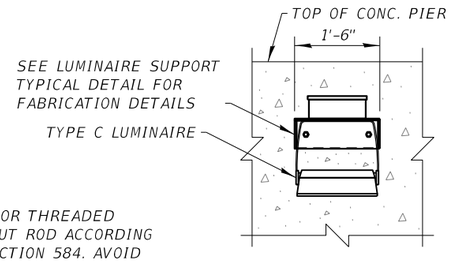
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	154
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018106900 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89-154-Luminaire Mounting.dgn
9/18/2019 2:50:57 PM



ELEVATION

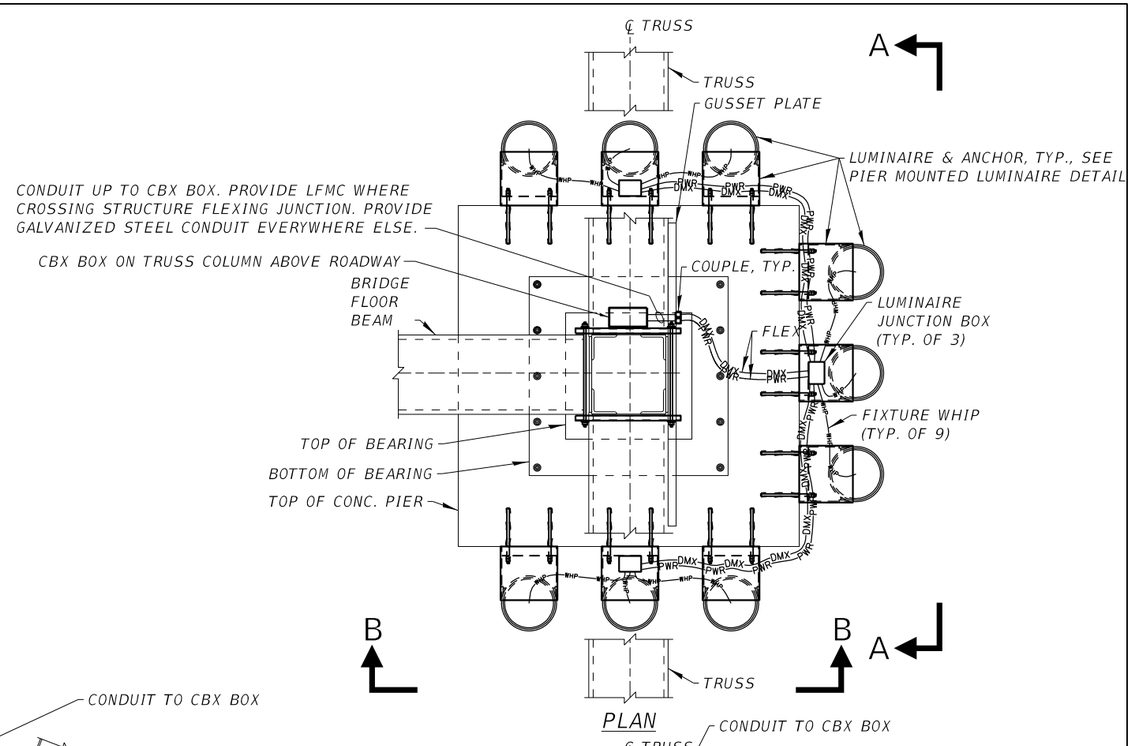


SECTION A-A

NOTES:

1. DRILL EXISTING CONCRETE PIER FOR THREADED ROD AND GROUT ROD IN PIER. GROUT ROD ACCORDING TO STANDARD SPECIFICATIONS SECTION 584. AVOID HITTING EXISTING REINFORCEMENT AND IF ENCOUNTERED, ABANDON HOLE, PATCH TO SATISFACTION OF ENGINEER AND MOVE TO LOCATION TO AVOID REINFORCEMENT.
2. PIERS 4 AND 7 ARE 9'-0" SQUARE. CENTER LUMINAIRE ACROSS PIER AND SPACE 3'-5" BETWEEN FIXTURE CENTERS.
3. PIERS 5 AND 6 ARE 7'-6" SQUARE. CENTER LUMINAIRE ACROSS PIER AND SPACE 2'-8" BETWEEN FIXTURE CENTERS.

PIER MOUNTED LUMINAIRE DETAIL



PLAN

SECTION A-A

SECTION B-B

PIER, BEARING & SUPERSTRUCTURE CONNECTION

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnthno	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 2490 '/ ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE MOUNTING DETAILS - PIERS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 3 OF 3 SHEETS

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	155
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 090001-68C89-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\018\018069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\090001-68C89-155-Luminaire Mounting Plans.dgn
9/18/2019 2:50:58 PM

LUMINAIRE JUNCTION BOX DETAIL NOTES:

1. PROVIDE AN ENCLOSURE AT LOCATIONS INDICATED TO ALLOW CONNECTION OF LUMINAIRE POWER AND CONTROL CABLING. THE ENCLOSURE SHALL CONTAIN TERMINALS, BARRIERS TO SEPARATE THE POWER AND CONTROL WIRING, WATERPROOF ENTRANCES FOR THE LUMINAIRE CABLE CONNECTIONS, AND BE RATED FOR CORROSION RESISTANCE. THE DETAILS SHOWN ARE THE MINIMUM REQUIRED AND SHALL BE ALTERED BY THE CONTRACTOR IF DETERMINED NECESSARY TO ACCOMMODATE THE INSTALLATION DETAILS AND REQUIREMENTS FOR THE ACTUAL LIGHTING EQUIPMENT PROVIDED. COORDINATE ENCLOSURE CHANGES (SUCH AS INCREASE SIZE) WITH LUMINAIRE SUPPORT AND MODIFY SUPPORT AS NEEDED. ANY DEVIATION FROM THE DETAILS SHOWN SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. SUBMIT SHOP DRAWINGS FOR THE JUNCTION BOX COMPLETE WITH DATA SHEETS FOR INTERNAL COMPONENTS AND ASSEMBLY DETAILS.

2. ENCLOSURE SHALL BE NEMA 4X RATED, 316L STAINLESS STEEL, CONTINUOUS HINGE COVER, STAINLESS STEEL SCREW-DOWN COVER CLAMPS, WELDED SEAMS GROUND SMOOTH, SEAMLESS FOAM-IN-PLACE GASKET, WELDED NUTS OR STUDS FOR MOUNTING INNER PANEL, GROUNDING/BONDING STUD ON DOOR, OUTER SURFACES SMOOTH #4 BRUSHED FINISH.

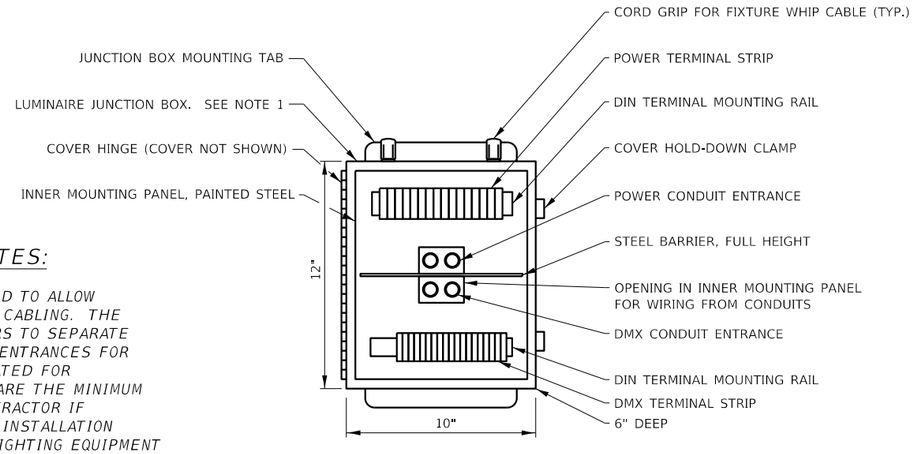
3. INNER MOUNTING PANEL SHALL BE FABRICATED FROM STAINLESS STEEL AND FINISHED IN WHITE PAINT. PROVIDE OPENING IN CENTER OF PANEL TO ACCOMMODATE CONDUIT ENTRANCE. FASTEN TO ENCLOSURE INTERIOR AND BOND TO GROUND.

4. PROVIDE A PHYSICAL BARRIER FOR ISOLATION OF THE DMX SIGNAL SECTION FROM THE POWER WIRING. THE BARRIER SHALL BE PAINTED STEEL AND MOUNTED PERPENDICULAR TO THE INNER PANEL. SECURE BARRIER WITH BOLTS AND PROVIDE JUMPER TO BOND TO THE PANEL GROUND. BARRIER SHALL BE FULL DEPTH OF THE ENCLOSURE.

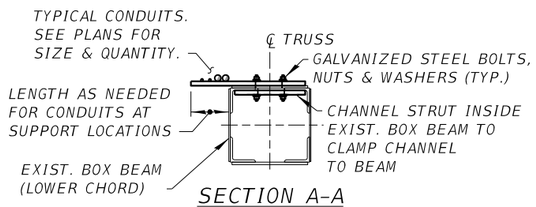
5. FIXTURE WHIP CABLE ENTRANCE TO JUNCTION BOX SHALL BE SEALED WATERTIGHT WITH CORD GRIP. PROVIDE SEALING OF THE PENETRATION INTO THE ENCLOSURE WITH GASKETS RECOMMENDED BY THE MANUFACTURER. CORD GRIP SHALL BE NON-METALLIC, CORROSION RESISTANT, WEATHERPROOF AND RATED FOR LOCATING OUTDOORS. GLAND SHALL BE SIZED FOR THE ACTUAL CABLE DIAMETER OF THE FIXTURE WHIP CABLE.

6. POWER TERMINAL STRIP SHALL BE ASSEMBLED FROM DIN RAIL MOUNTED TERMINALS, 600 V, SCREW CONNECTION, BOX LUG, 30 8 AWG, NEMA/EEMAC, HIGH DENSITY AND FINGER SAFE. ALLEN BRADLEY 1492-CAM1L OR EQUAL. PROVIDE TERMINAL BARRIERS, END ANCHORS AND COMPATIBLE DIN RAIL MOUNTED TO THE INNER PANEL.

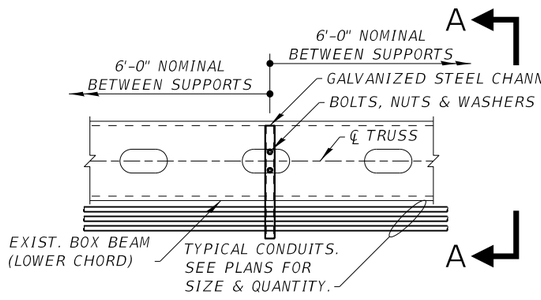
7. DMX TERMINAL STRIP SHALL BE ASSEMBLED FROM DIN RAIL MOUNTED TERMINALS, 300 V, SCREW CONNECTION, 30 14 AWG, SINGLE CIRCUIT. ALLEN BRADLEY 1492-WM3 OR EQUAL. PROVIDE TERMINAL BARRIERS, END ANCHORS AND COMPATIBLE DIN RAIL MOUNTED TO THE INNER PANEL.



LUMINAIRE JUNCTION BOX DETAIL



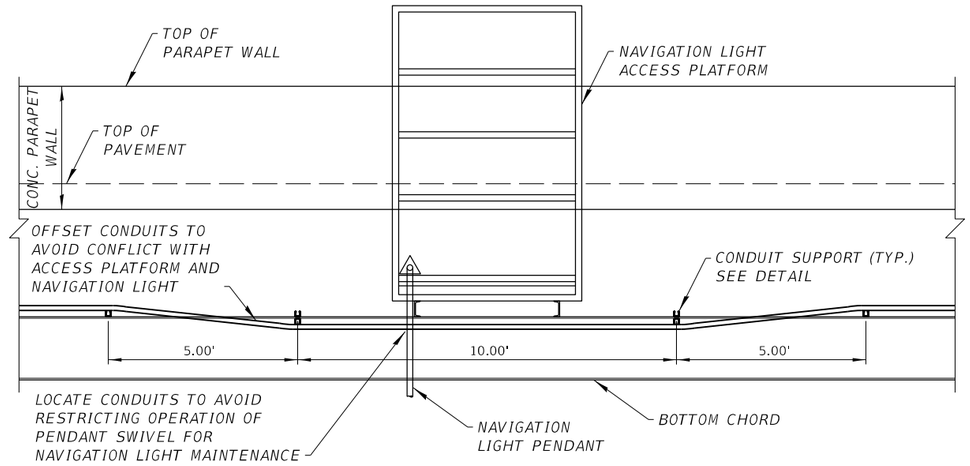
SECTION A-A



PLAN

CONDUIT SUPPORT DETAIL

NOTE:
1. PROVIDE SUPPORT AND OFFSET FOR EXISTING CONDUITS THAT CONFLICT WITH PLATFORM AND NAVIGATION LIGHT INSTALLATION



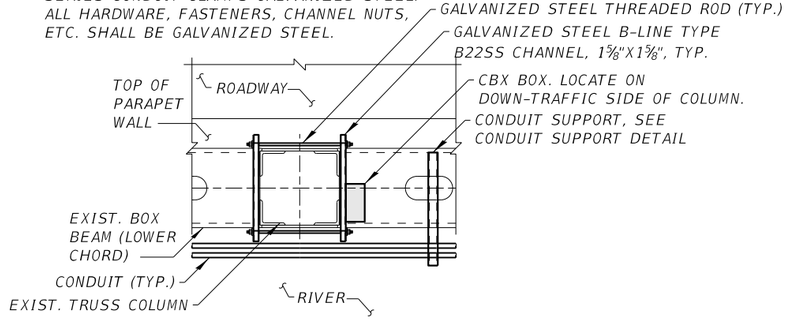
CONDUIT SUPPORT AT ACCESS PLATFORM

NOTES

1. FABRICATE CONDUIT SUPPORT FROM EATON B-LINE SERIES B22 STRUT CHANNEL, 12 GA MINIMUM, GALVANIZED STEEL OR EQUAL.

2. SOME EXISTING CONDUITS REMAIN IN LOCATIONS WHERE NEW CONDUITS WILL BE MOUNTED. REPLACE EXISTING CONDUIT SUPPORTS WITH NEW ACCORDING TO THIS DETAIL AND INCLUDE EXISTING TO REMAIN ON NEW SUPPORTS.

NOTE:
SECURE CONDUIT TO CHANNEL WITH B2000 SERIES CONDUIT CLAMPS GALVANIZED STEEL. ALL HARDWARE, FASTENERS, CHANNEL NUTS, ETC. SHALL BE GALVANIZED STEEL.



TYPICAL CBX BOX MOUNTING DETAIL

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtarnino	DESIGNED - DAR	REVISED	
	CHECKED - JDA	REVISED	
PLOT SCALE = 2450 '/ ft.	DRAWN - RJT	REVISED	
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED	

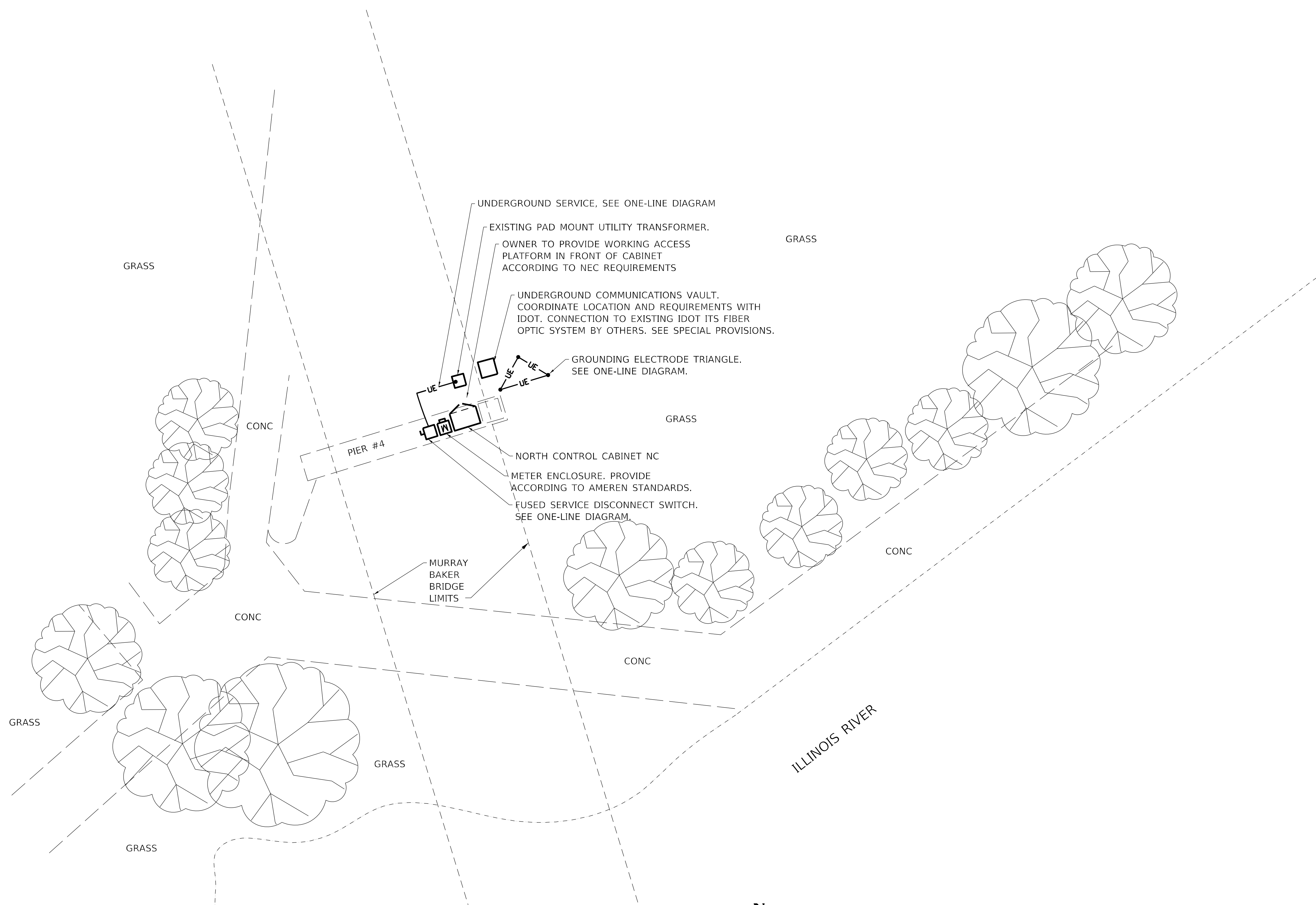
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

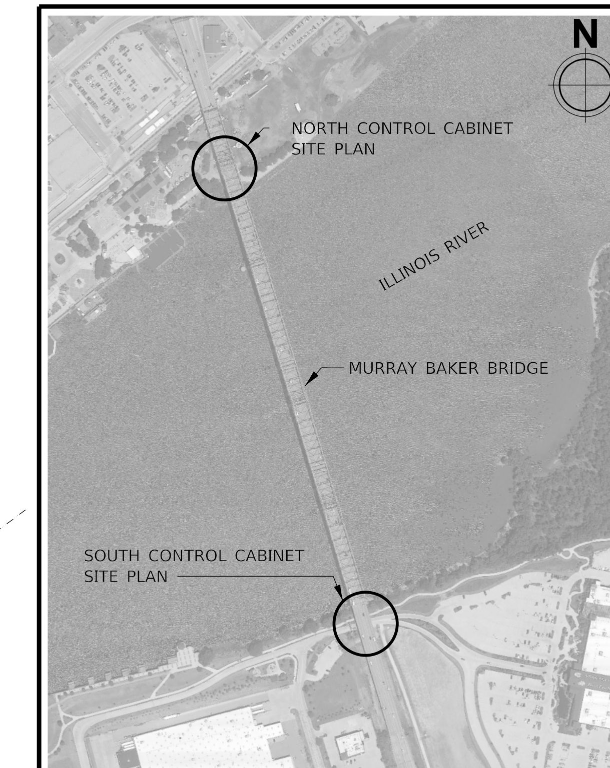
CONDUIT MOUNTING DETAILS
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	156
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C89BR_PDF_H_MONO.pltcfg
MODEL1: SHEET
FILE NAME: J:\2018\01811069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\09000001-68C89BR-158-Conduit Mounting Details.dgn
9/18/2019 2:50:59 PM





LOCATION PLAN

NORTH CONTROL CABINET SITE PLAN

0 20 40 60
SCALE IN FEET

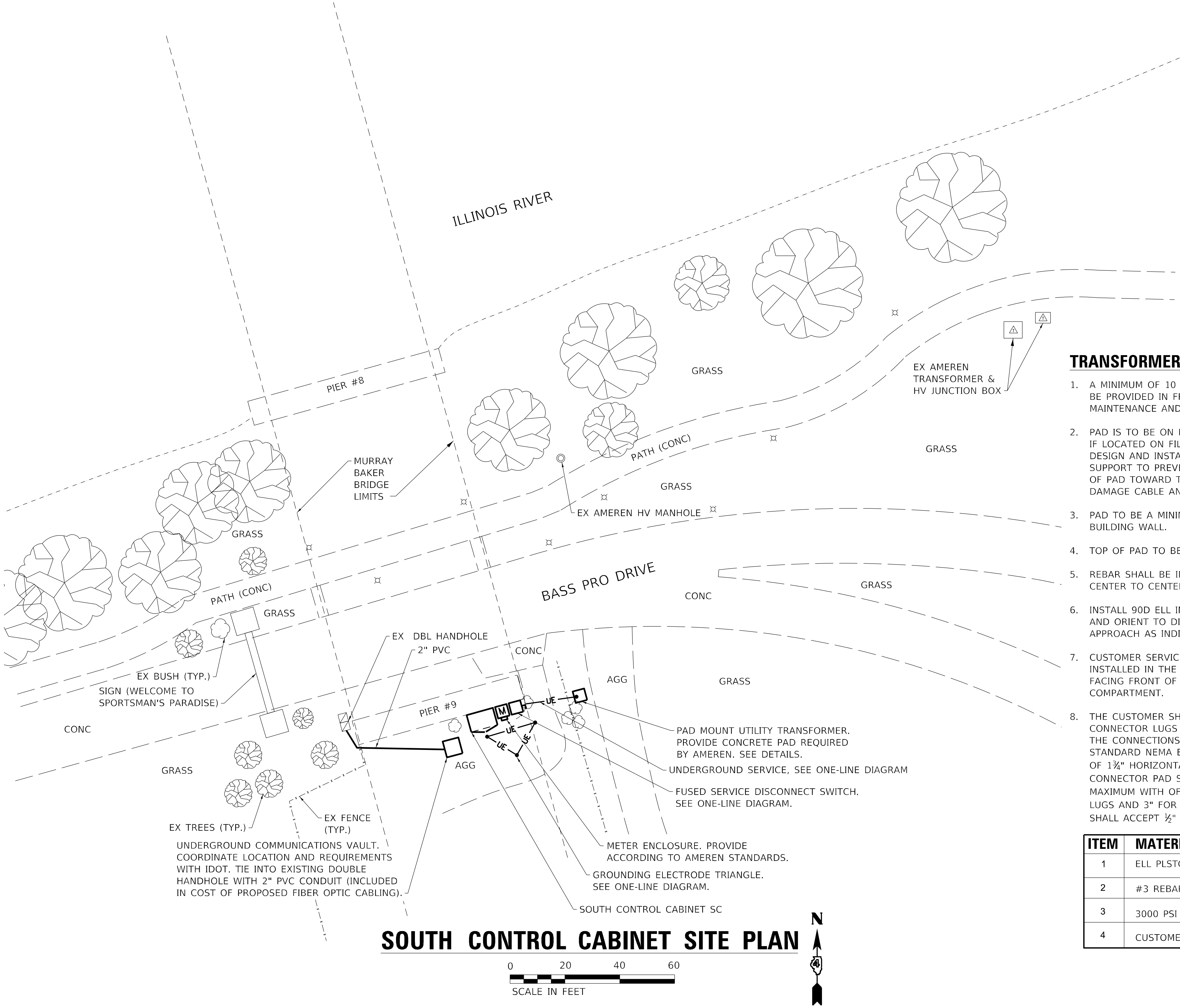
N

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

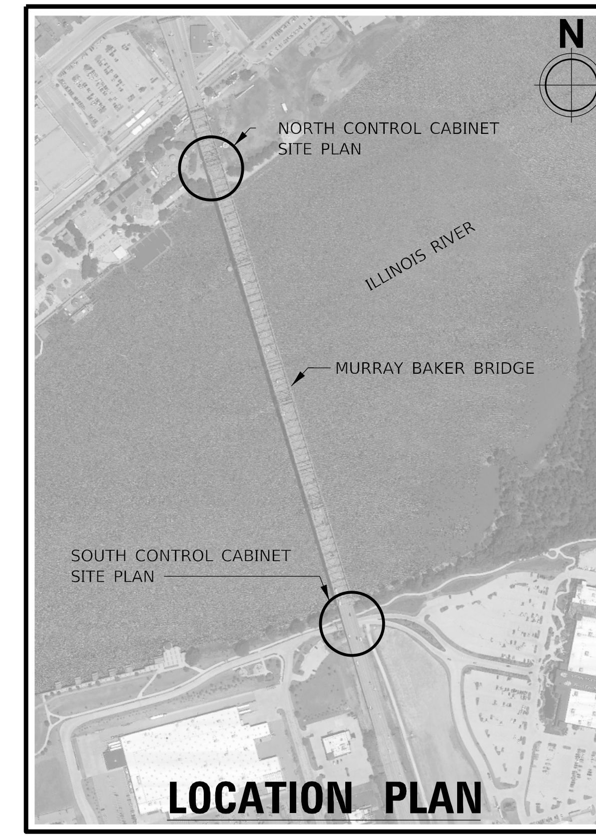
Farnsworth GROUP 100 WALNUT ST., SUITE 200 PEORIA, ILLINOIS 61602 (309) 689-9888 / info@f-w.com	USER NAME = rtamlino	DESIGNED - DAR	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH CONTROL CABINET SITE PLAN MURRAY BAKER BRIDGE OVER ILLINOIS RIVER	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - JDA	REVISED			74	90(10D-1)BRR	**	329	157
	PLOT SCALE = 24.0 ' / ft.	DRAWN - RJT	REVISED			CONTRACT NO. 68C89				
	PLOT DATE = 09/06/19	CHECKED - JJO	REVISED		SHEET 1 OF 2 SHEETS	ILLINOIS	FED. AID PROJECT			

** PEORIA / TAZEWELL

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-157-North Controller Cabinet SP.dgn
9/18/2019 2:51:00 PM



SOUTH CONTROL CABINET SITE PLAN

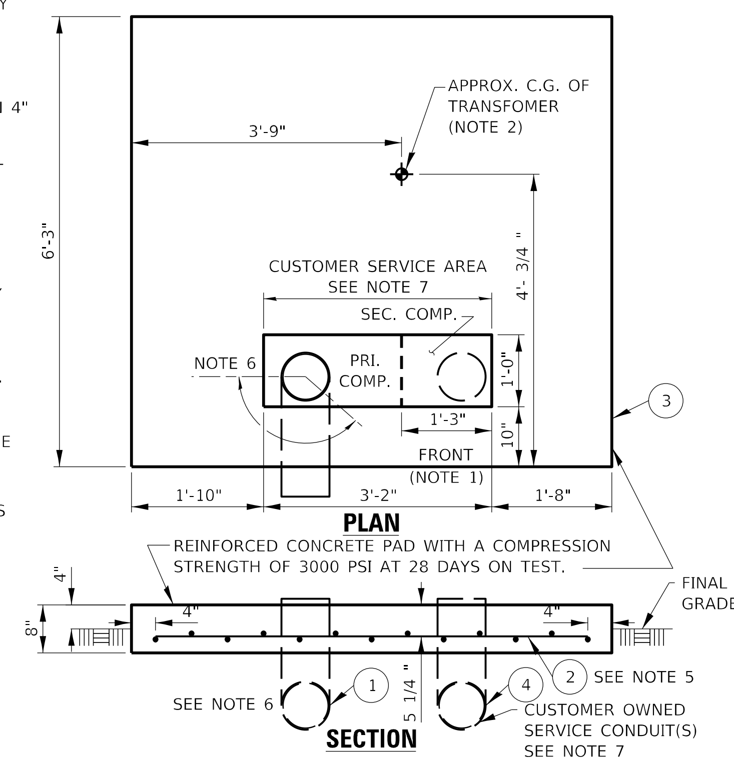


LOCATION PLAN

TRANSFORMER PAD NOTES

1. A MINIMUM OF 10 FEET OF CLEAR SPACE WILL BE PROVIDED IN FRONT OF PAD FOR MAINTENANCE AND OPERATION.
2. PAD IS TO BE ON FIRM UNDISTURBED EARTH. IF LOCATED ON FILL THE CUSTOMER MUST DESIGN AND INSTALL ADEQUATE FOUNDATION SUPPORT TO PREVENT SETTLING AND TILTING OF PAD TOWARD THE REAR, WHICH CAN DAMAGE CABLE AND BUSHINGS.
3. PAD TO BE A MINIMUM OF 5 FEET FROM ANY BUILDING WALL.
4. TOP OF PAD TO BE SMOOTH AND LEVEL.
5. REBAR SHALL BE INSTALLED BOTH WAYS ON 4" CENTER TO CENTER.
6. INSTALL 90D ELL IN PRIMARY COMPARTMENT AND ORIENT TO DIRECTION OF CABLE APPROACH AS INDICATED.
7. CUSTOMER SERVICE CONDUITS SHALL BE INSTALLED IN THE FAR RIGHT SIDE (WHEN FACING FRONT OF PAD) OF THE SECONDARY COMPARTMENT.
8. THE CUSTOMER SHALL PROVIDE ALL CONNECTOR LUGS FOR SECONDARY CABLES. THE CONNECTIONS SHALL MEET THE STANDARD NEMA BOLT PATTERN DIMENSION OF 1¾" HORIZONTALLY AND VERTICALLY. THE CONNECTOR PAD SHALL ALSO HAVE A MAXIMUM WITH OF 1¾" FOR 1 OR 2 HOLE LUGS AND 3" FOR 4 HOLE LUGS. LUG HOLES SHALL ACCEPT ½" BOLTS.

ITEM	MATERIAL DESCRIPTION
1	ELL PLSTC, 4"x90 TYPE 40
2	#3 REBAR (⅜" DIA)
3	3000 PSI CONCRETE
4	CUSTOMER SERVICE CONDUITS



TRANSFORMER PAD

F.A.I. 74 - SECTION 90(10D-1)BRR
PEORIA / TAZEWELL COUNTY
STATION 151+85
STRUCTURE NO. 090-0001

PRINT DRIVER: 0900001-68C890-BR_PDF_H_MONO.pltcfg
MODEL: SHEET
FILE NAME: J:\2018\0181069.00 - Peoria Murray Baker Lighting\04_Drawings\DGN\CAD_Sheets\0900001-68C890-158-South Controller Cabinet SP.dgn
9/18/2019 2:51:03 PM

Farnsworth GROUP
100 WALNUT ST., SUITE 200
PEORIA, ILLINOIS 61602
(309) 689-9888 / info@f-w.com

USER NAME = rtamtino	DESIGNED - DAR	REVISED
	CHECKED - JDA	REVISED
PLOT SCALE = 24.0 ' / ft.	DRAWN - RJT	REVISED
PLOT DATE = 09/06/19	CHECKED - JJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH CONTROL CABINET SITE PLAN
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	**	329	158

CONTRACT NO. 68C89
ILLINOIS FED. AID PROJECT
** PEORIA / TAZEWELL

SCHEDULE OF QUANTITIES			PEORIA COUNTY	TAZEWELL COUNTY
ITEM DESCRIPTION	UNIT	TOTAL QTY.		
SIDEWALK REMOVAL	SQ FT	10.5	10.5	
SIGN PANEL - TYPE 1	SQ FT	17.6	17.6	
SIGN PANEL - TYPE 2	SQ FT	16.0	16.0	
SIGN PANEL - TYPE 3	SQ FT	175.0		175.0
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1475.0		1475.0
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	3.8		3.8
REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2.0		2.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	96.0	96.0	
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	400.0	140.0	260.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	1.0		1.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0	1.0	
HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0		1.0
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	1.0		1.0
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	2.0	1.0	1.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0		1.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT	EACH	1.0	1.0	
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1.0		1.0
FLASHER CONTROLLER, SPECIAL, WITHOUT CABINET	EACH	2.0	1.0	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	988.5	641.5	347.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	803.0	407.5	395.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2.0	2.0	
CONCRETE FOUNDATION, TYPE A	FOOT	6.0	6.0	
DRILL EXISTING FOUNDATION	EACH	2.0	2.0	
DRILL EXISTING HANDHOLE	EACH	1.0	1.0	
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2.0	1.0	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	6.0	4.0	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	6.0	4.0	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	11.0	7.0	4.0
CAT 5 ETHERNET CABLE	FOOT	940.0	646.0	294.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	2.0	1.0	1.0
ROAD WEATHER INFORMATION SYSTEM, COMPLETE	L SUM	1.0	1.0	
BLUETOOTH DETECTOR	EACH	7.0	5.0	2.0
RELOCATE EXISTING PTZ CAMERA	EACH	2.0	1.0	1.0
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. STAINLESS STEEL	FOOT	240.0	150.0	90.0
GROUND EXISTING HANDHOLE	EACH	2.0	2.0	
CONTROLLER (SPECIAL)	EACH	3.0	2.0	1.0
ETHERNET MANAGE SWITCH	EACH	2.0	2.0	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	445.5	445.5	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	5.0	4.0	1.0
TRAFFIC COUNTER	EACH	2.0		2.0
DATA SERVER	L SUM	1.0	1.0	
REMOVE EXISTING SIGN COMPLETE	EACH	1.0		1.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	5.0	2.0	3.0

CONSTRUCTION NOTES	
1.	EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO COMMENCING WORK ON THE PROJECT.
2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
3.	THE EXISTING ITS FACILITIES SHALL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE EXISTING FIBER OPTIC CABLE SHALL REMAIN UNDISTURBED AND INTACT DURING ALL TIMES TO PREVENT NETWORK OUTAGES TO IDOT AND THE LOCAL STAKEHOLDERS.
4.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03 UNLESS SPECIFIED OTHERWISE.
6.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
7.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
8.	COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT.
9.	POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS (PUSHED OR TRENCHED).
10.	REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
11.	NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
12.	THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
13.	THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM THE HANDHOLES. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE FIBER OPTIC CABLE IN CONDUIT PAY ITEM.
14.	ALL CAMERAS SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.
15.	THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
16.	THE CONTRACTOR SHALL RESTORE A DISTURBED AREAS BY GRADING AND SEEDING. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED CONDUIT.
17.	THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE FIBER OPTIC CABLE WITH GREATER FIBER COUNTS AT NO ADDITIONAL COMPENSATION.
18.	THE CONTRACTOR SHALL INSTALL CAPS OVER THE TENON MOUNT BRACKETS TO PREVENT WATER INTRUSION ON THE PROPOSED LIGHT POLES THAT ARE BEING UTILIZED AS CAMERA POLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR THE PROPOSED TENON LIGHT POLES.
19.	THE COST OF INTERCEPTING AN EXISTING CONDUIT TO INSTALL PROPOSED HANDHOLES SHALL BE INCLUDED IN THE COST OF THE PROPOSED HANDHOLE.

MODEL: $MODELNAME$
FILE NAME: $FILE$

ITS-01
NOT TO SCALE

USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

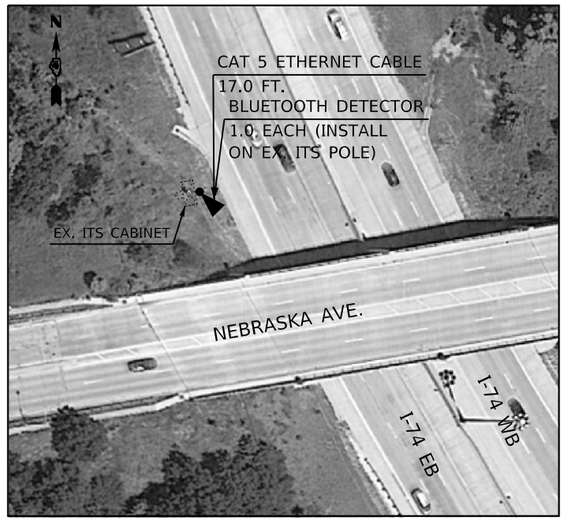
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS SCHEDULE OF QUANTITIES AND CONSTRUCTION NOTES

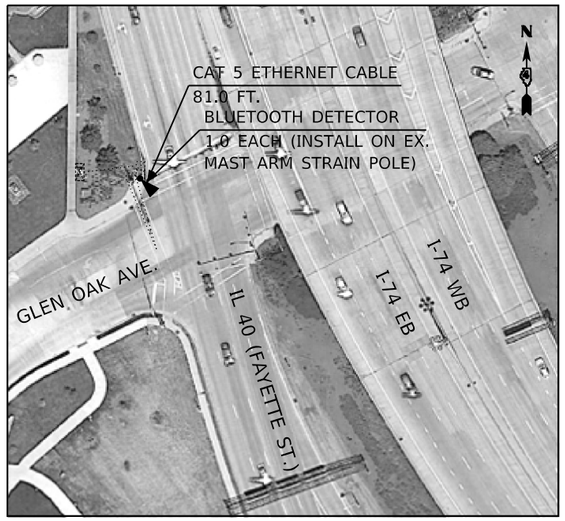
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	159
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

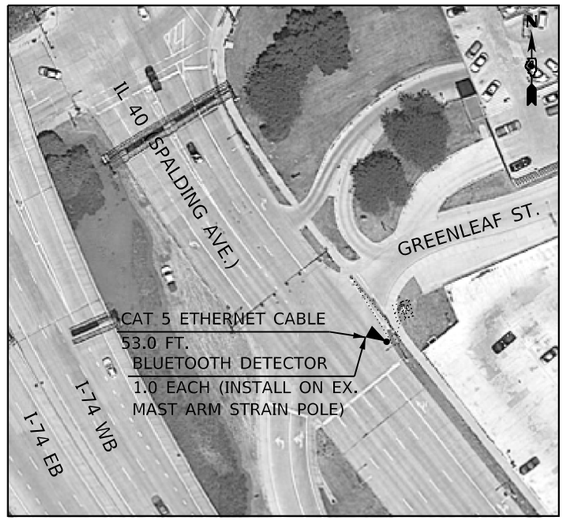
I-74 @ NEBRASKA AVE. ITS CABINET



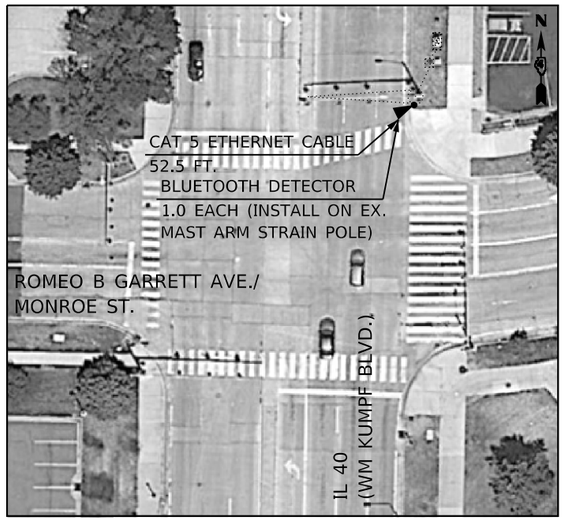
IL 40 (FAYETTE ST.) & GLEN OAK AVE.



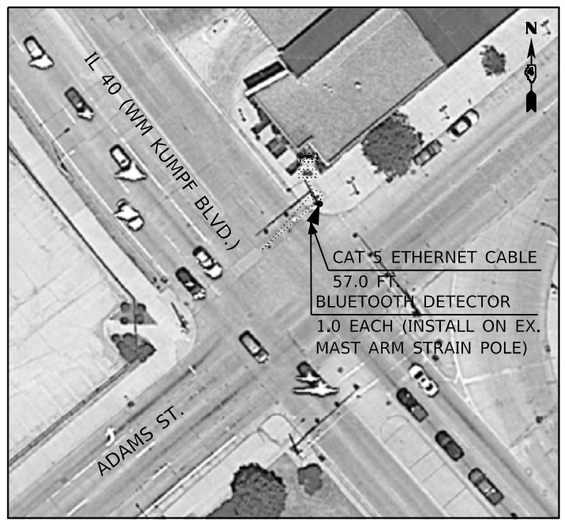
IL 40 (SPALDING AVE.) & GREENLEAF ST.



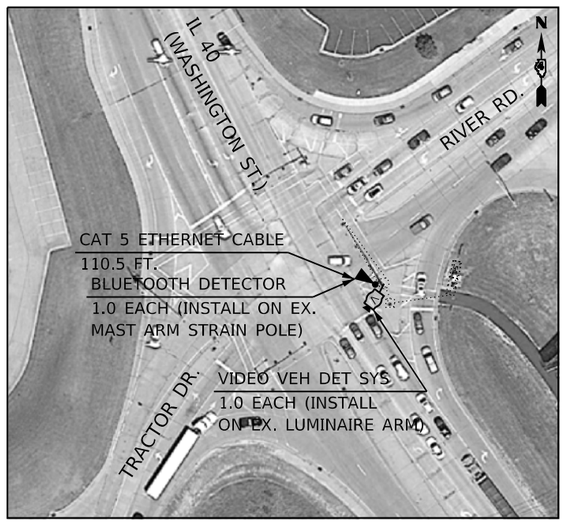
IL 40 (WM KUMPF BLVD) & ROMEO B GARRETT/ MONROE ST



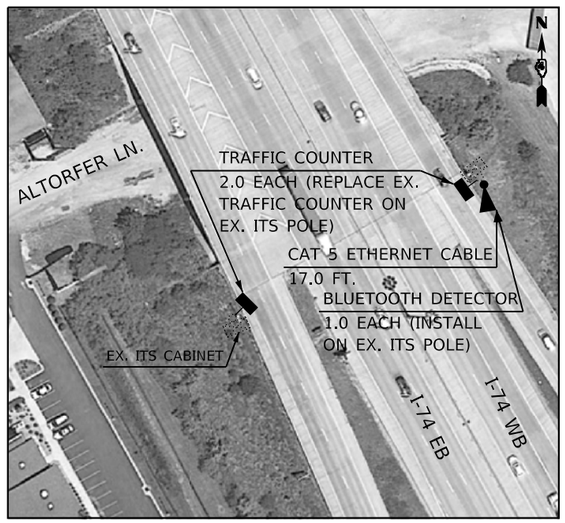
IL 40 (WM KUMPF BLVD.) & ADAMS ST.



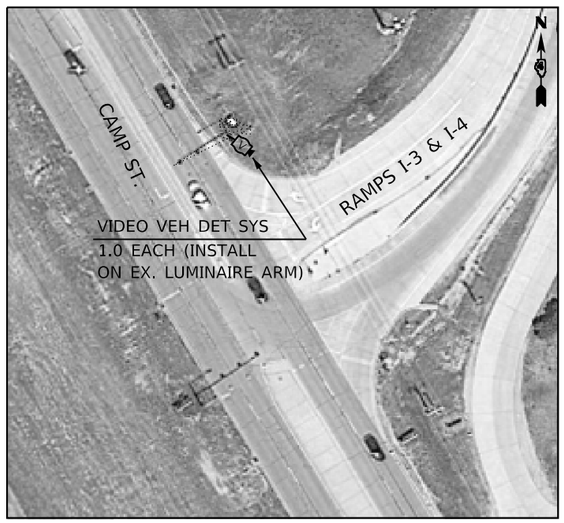
IL 40 (WASHINGTON ST.) & RIVER RD./TRACTOR DR.



I-74 @ IL 116 (MAIN ST.) RAMPS



CAMP ST. & I-74 RAMPS I-3/ I-4



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	I-74 @ NEBRASKA AVE. ITS CABINET	IL 40 (FAYETTE ST.) & GLEN OAK AVE.	IL 40 (SPALDING AVE.) & GREENLEAF ST.	IL 40 (WM KUMPF BLVD.) & ROMEO B GARRETT AVE./ MONROE ST.	IL 40 (WM KUMPF BLVD.) & ADAMS ST.	IL 40 (WASHINGTON ST.) & RIVER RD./ TRACTOR DR.	I-74 @ IL 116 (MAIN ST.) RAMPS	CAMP ST. & I-74 RAMPS I-3/ I-4
BLUETOOTH DETECTOR	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
CAT 5 ETHERNET CABLE	FOOT	17.0	81.0	53.0	52.5	57.0	110.5	17.0	
TRAFFIC COUNTER	EACH							2.0	
VEHICLE VIDEO DETECTION SYSTEM	EACH						1.0		1.0

BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	TOTAL QTY.
BLUETOOTH DETECTOR	EACH	7.0
CAT 5 ETHERNET CABLE	FOOT	388.0
TRAFFIC COUNTER	EACH	2.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	2.0

THE CONTRACTOR SHALL REMOVE AND DELIVER THE EXISTING VIDEO DETECTION CAMERAS AND EQUIPMENT FROM IL 40 (WASHINGTON ST.) & RIVER RD./ TRACTOR DR. AND CAMP ST. & I-74 RAMPS I-3/ I-4. TO THE IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR. PEORIA, IL 61615. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE BID PRICE FOR THE VIDEO VEHICLE DETECTION SYSTEM.

THE CONTRACTOR SHALL INSTALL THE BLUETOOTH DETECTORS AT A HEIGHT OF 12-14 FT. FROM THE PAVEMENT SURFACE AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC COUNTERS WITH THE PROPOSED TRAFFIC COUNTERS AS SHOWN. THE CONTRACTOR SHALL DISPOSE OF THE EXISTING TRAFFIC COUNTERS OFF OF RIGHT OF WAY.

LEGEND

- EX. CONDUIT
- EX. ITS CABINET
- EX. TRAFFIC SIGNAL CABINET
- EX. DOUBLE HANDHOLE
- EX. HANDHOLE
- EX. ITS POLE
- EX. TRAFFIC SIGNAL MAST ARM
- PROP. BLUETOOTH DETECTOR
- PROP. TRAFFIC COUNTER (REPLACE EX. TRAFFIC COUNTER)
- PROP. VEHICLE VIDEO DETECTION SYSTEM

ITS-02
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

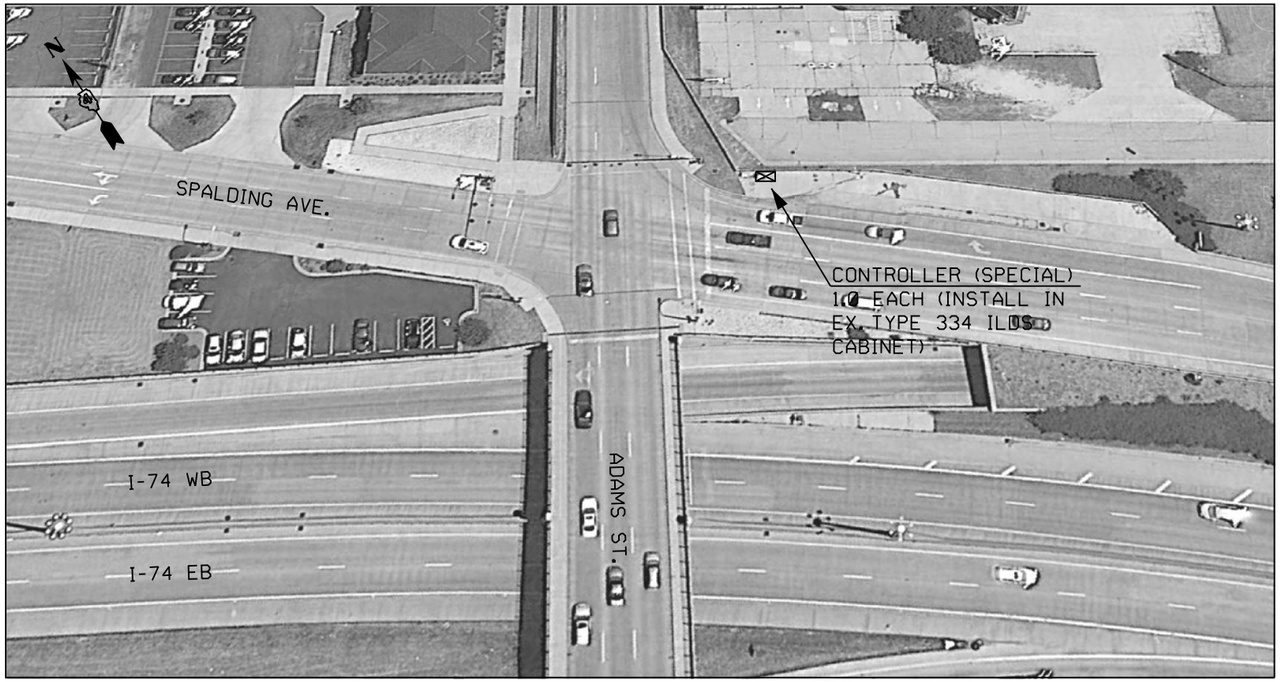
USER NAME = $USER$	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED BLUETOOTH DETECTION INSTALLATION
I-74 FROM NEBRASKA TO IL 116 (MAIN ST.)

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	160
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES		
CONTROLLER (SPECIAL)	EACH	2.0

THE CONTRACTOR SHALL REMOVE THE EXISTING TYPE 2070 CONTROLLERS AND DELIVER THEM TO THE IDOT TRAFFIC BUILDING. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED CONTROLLERS.

THE DEPARTMENT WILL PROGRAM THE CONTROLLERS ONCE AFTER THE CONTRACTOR HAS COMPLETED INSTALLATION.

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDUCTIVE LOOP DETECTOR STATION CONTROLLER REPLACEMENT
I–74 & ADAMS ST. AND I–74 & SPALDING AVE.

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	161
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

ITS-03
NOT TO SCALE

SCHEDULE OF QUANTITIES		
CONTROLLER (SPECIAL)	EACH	1.0

THE CONTRACTOR SHALL REMOVE THE EXISTING TYPE 2070 CONTROLLERS AND DELIVER THEM TO THE IDOT TRAFFIC BUILDING. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED CONTROLLERS.

THE DEPARTMENT WILL PROGRAM THE CONTROLLERS ONCE AFTER THE CONTRACTOR HAS COMPLETED INSTALLATION.

ITS-04
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

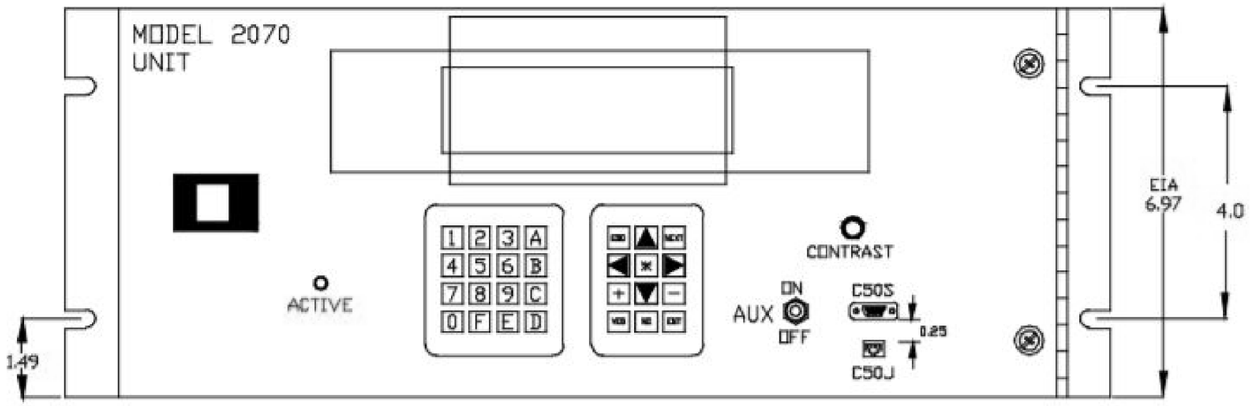
USER NAME = $USER$	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDUCTIVE LOOP DETECTOR STATION CONTROLLER REPLACEMENT
I-74 & RIVERFRONT DR.

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	162
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		



The controller shall be equipped with the following field modules:

2070-2A Module - Qty. 1 which includes the following features:

- 64 outputs and 64 inputs
- C1S, C11S, and C12S Connectors
- “Muzzle”jumper
- Electrically Isolated serial ports (SP3 and SP5)

2070-1C Processor Module - Qty. 1 which includes the following features:

- 64MB DRAM
- 1XXMB Flash
- Linux Operating System
- 10/100 Ethernet Ports
- USB 2.0 full-speed port for memory
- Non-volatile SRAM
- C13S connector
- 3.3v/5v data key
- TEES 2009 compatible
- Freescale PowerQuick Processor
- ATC 5.2b compliant
- OS9 Operating System Pre-Loaded

2070-7A Module - Qty. 1 which includes the following features:

- “Hot”swappable capability
- Standardized nine (9) pin connectors
- Separate TX and RX LEDS for both communication ports

2070-3B Front Panel - Qty. 1 which includes the following features:

- A high resolution, 8-line by 40-character graphical display
- A color coded keyboard enhances the data entry ease of operation and flexibility

2070-4A Power Supply - Qty. 1 which includes the following features:

- 10.0 Amps of reliable and steady power

MODEL: $MODELNAME$
FILE NAME= $FILE$

ITS-05
NOT TO SCALE

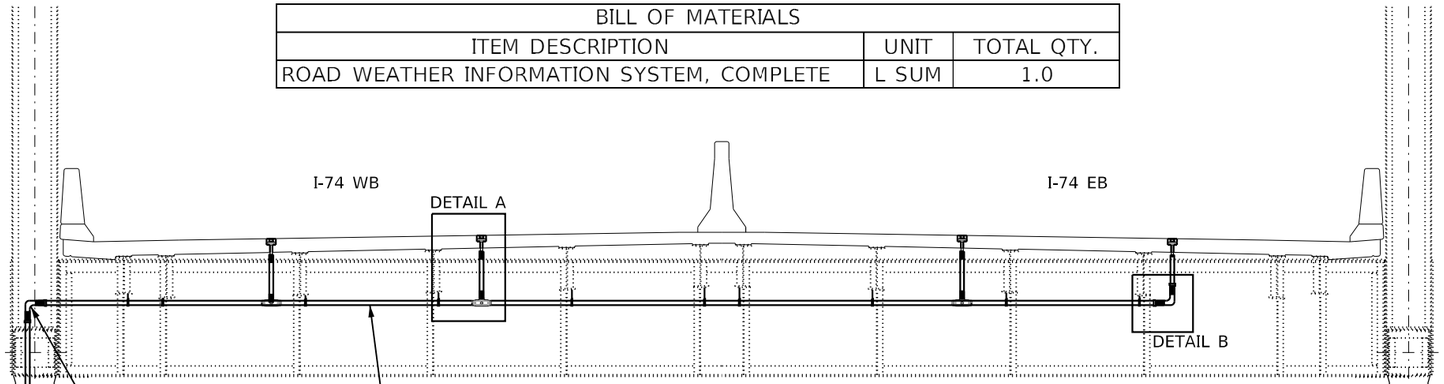
USER NAME = $USER$	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

CONTROLLER (SPECIAL) DETAIL
FOR INDUCTIVE DETECTOR LOOP STATIONS

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	163
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
ROAD WEATHER INFORMATION SYSTEM, COMPLETE	L SUM	1.0

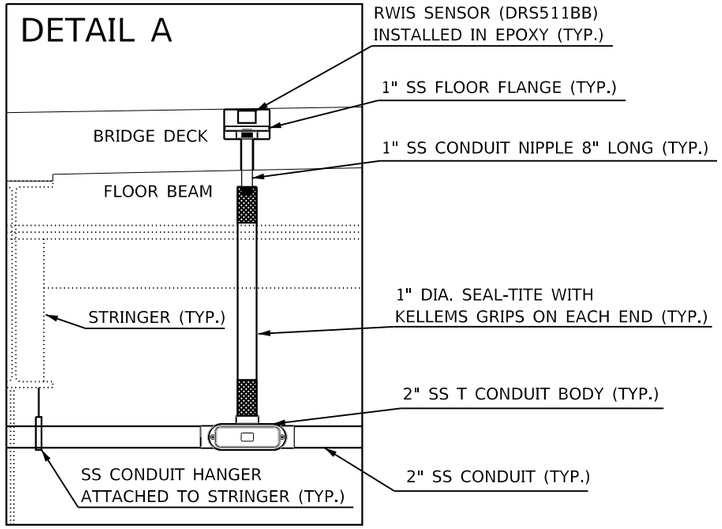


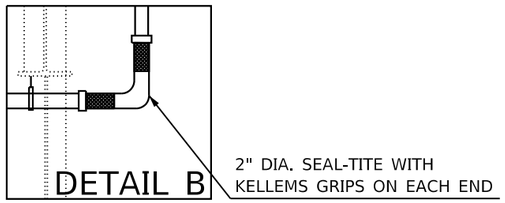
THE CONTRACTOR SHALL COORDINATE ALL ITS, RWIS AND ORNAMENTAL LIGHTING COMPONENTS WITH THE IDOT TRAFFIC ENGINEER PRIOR TO THE START OF CONSTRUCTION.

ESTIMATED QUANTITIES FOR ROAD WEATHER INFORMATION SYSTEM , COMPLETE - 1.0 L SUM (INCLUDES ALL ITEMS LISTED BELOW)		
DESCRIPTION	UNIT	QTY.
RWIS CONTROLLER AND CABINET	EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	60.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	EACH	36.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	90.0
STAINLESS STEEL T CONDUIT BODY, 2" DIA.	EACH	3.0
STAINLESS STEEL CONDUIT NIPPLE, 1" DIA., 8" LONG	EACH	4.0
STAINLESS STEEL FLOOR FLANGE, 1" DIA. THREAD	EACH	4.0
SEAL-TITE WITH KELLEMS GRIPS, 1" DIA.	FOOT	8.0
SEAL-TITE WITH KELLEMS GRIPS, 2" DIA.	FOOT	8.0
RWIS SENSOR (DRS511BB)	EACH	4.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0

NOTE: THE QUANTITIES LISTED ABOVE ARE ESTIMATED QUANTITES FOR THE MAJOR COMPONENTS REQUIRED FOR THE PAY ITEM "ROAD WEATHER INFORMATION SYSTEM, COMPLETE". THE CONTRACTOR SHALL VERIFY ALL REQUIRED COMPONENTS, INCLUDING ANY REQUIRED ITEMS NOT LISTED ABOVE, AND THEIR QUANTITIES PRIOR TO BIDDING AND INCLUDE ALL ITEMS IN THE BID PRICE. THERE WILL BE NO ADDITIONAL COMPENSATION.

PIER 4 ELEVATION - NORTH SIDE SHOWN





NOTES:
1. ALL CONDUIT ATTACHMENTS SHALL BE SPACED NO MORE THAN 5 FT. APART.
2. RWIS PAVEMENT SENSORS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. PAVEMENT SENSORS SHALL BE INSTALLED IN THE CENTER OF THE DRIVING LANES.
3. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS WHEN CUTTING SLOT FOR RWIS SENSORS. THE CONTRACTOR SHALL CORE DRILL A HOLE THROUGH THE PROPOSED DECK LARGE ENOUGH TO ACCOMODATE THE PROPOSED 1" SS CONDUIT WITH MINIMAL CLEARANCE. THE HOLE SHALL BE PLACED TO ALLOW FOR MINIMAL BENDING OF THE SENSOR LEAD-IN WIRE.
4. THE RWIS SENSORS SHALL BE INSTALLED IN THE PROPOSED BRIDGE DECK, WITHIN THE VICINITY OF PIER 4 IN ORDER TO MINIMIZE THE LONGITUDINAL DISTANCE TO PIER 4. THE PROP. CONDUITS WILL RUN PERPENDICULAR TO THE STRINGERS AT THE LOCATION OF THE RWIS SENSORS, AND WILL TURN 90° (USING SEAL-TITE AND KELLEMS GRIPS) AT THE FINAL STRINGER TO RUN DOWN THE PIER TO THE PROPOSED RWIS CABINET (ATTACHED TO PIER 4.)
5. PLACEMENT OF THE RWIS SENSORS SHALL BE LAID OUT PRIOR TO POURING THE BRIDGE DECK IN ORDER TO ENSURE THE CORE DRILLING DOES NOT INTERFERE WITH REBAR PLACEMENT.
6. ALL RIGID CONDUIT, ATTACHMENT BRACKETS, HARDWARE, ETC. SHALL BE STAINLESS STEEL RATED FOR OUTDOOR USE.
7. ONE CIRCUIT BREAKER IN THE PROP. LIGHTING CONTROLLER CABINET WILL BE USED FOR THE RWIS CONTROLLER CABINET POWER.
8. THE CONTRACTOR SHALL INSTALL FIBER IN EX. CONDUITS FROM EX. CCTV CABINET AT RIVERPLEX TO EX. JUNCTION BOX ATTACHED TO PIER 4 AND INTO PROPOSED RWIS CABINET, WHERE IT SHALL BE TERMINATED. (FIBER OPTIC CABLE TO BE PAID FOR SEPARATELY - SEE SHEET ITS-07.)
9. THE RWIS SENSOR LEAD-IN WIRES SHALL BE CONTINUOUS FROM THE SENSOR TO THE RWIS CONTROLLER CABINET, NO SPLICES WILL BE ALLOWED. IT IS THE CONTRACTOR'S RESPONSIBLITY TO DETERMINE THE REQUIRED LENGTH FOR EACH LEAD-IN WIRE.

ITS-06
NOT TO SCALE

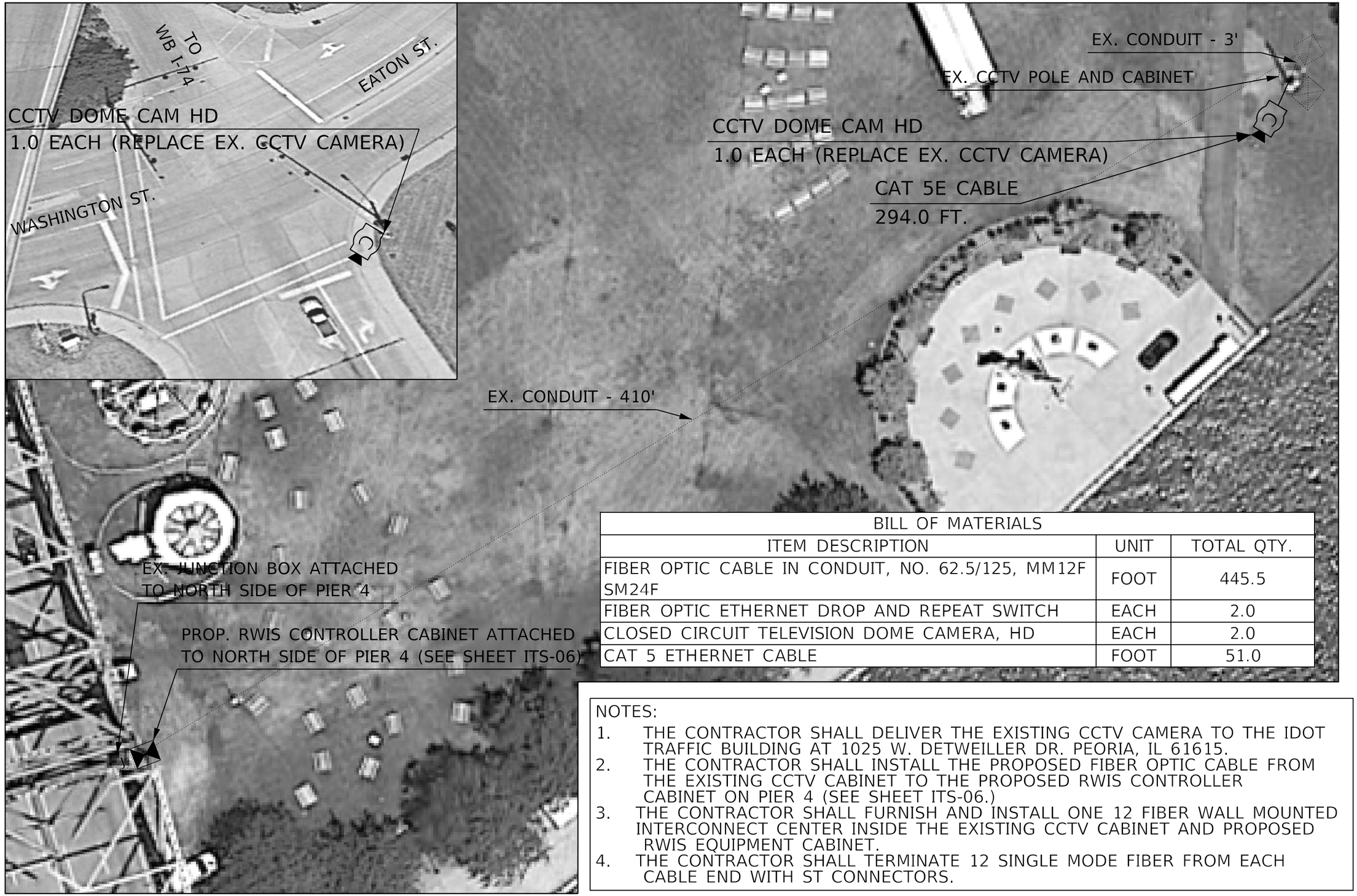
MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS**
	DRAWN - _____	REVISED - _____	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

PROPOSED RWIS INSTALLATION
I-74 MURRAY BAKER BRIDGE – PIER 4

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	164
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		



N

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	445.5
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2.0
CAT 5 ETHERNET CABLE	FOOT	51.0

NOTES:

1. THE CONTRACTOR SHALL DELIVER THE EXISTING CCTV CAMERA TO THE IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR. PEORIA, IL 61615.
2. THE CONTRACTOR SHALL INSTALL THE PROPOSED FIBER OPTIC CABLE FROM THE EXISTING CCTV CABINET TO THE PROPOSED RWIS CONTROLLER CABINET ON PIER 4 (SEE SHEET ITS-06.)
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE 12 FIBER WALL MOUNTED INTERCONNECT CENTER INSIDE THE EXISTING CCTV CABINET AND PROPOSED RWIS EQUIPMENT CABINET.
4. THE CONTRACTOR SHALL TERMINATE 12 SINGLE MODE FIBER FROM EACH CABLE END WITH ST CONNECTORS.

ITS-07
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

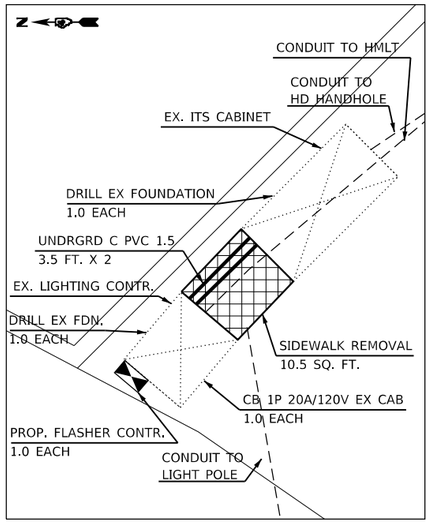
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CABLE INSTALLATION AND CCTV CAMERA REPLACEMENT
I-74 MURRAY BAKER BRIDGE – PEORIA COUNTY

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	165
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

DETAIL A



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
SIDEWALK REMOVAL	SQ FT	10.5
SIGN PANEL - TYPE 1	SQ FT	17.6
SIGN PANEL - TYPE 2	SQ FT	16.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	96.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	140.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT	EACH	1.0
FLASHER CONTROLLER, SPECIAL, WITHOUT CABINET	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	641.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	407.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2.0
CONCRETE FOUNDATION, TYPE A	FOOT	6.0
DRILL EXISTING FOUNDATION	EACH	2.0
DRILL EXISTING HANDHOLE	EACH	1.0
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	4.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	207.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0
GROUND EXISTING HANDHOLE	EACH	2.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	2.0

WRONG WAY SIGN
EACH INSTALLATION INCLUDES: SIGN PANEL T1 - QTY. 8.8 SQ FT TS POST GALVS 18 - QTY. 1.0 EACH CONC FDN TY A - QTY. 3.0 FT SH P LED 1F 1S BM - QTY. 2.0 EACH TS BACKPLATE RET-REFL - QTY. 2.0 EACH

NOTES:

1. REFER TO SHEET ITS-09 FOR THE WRONG WAY SIGN DETAIL
2. THE CONTRACTOR SHALL REMOVE THE EXISTING WRONG WAY SIGNS, SOLAR PANELS AND ASSOCIATED ATTACHED CONDUITS AND JUNCTION BOXES AND DELIVER THEM TO THE IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR. PEORIA, IL 61615. THE WOOD POSTS SHALL BE DISPOSED OF OFF THE JOB SITE.
3. THE CONTRACTOR SHALL FIELD VERIFY THAT DEPTH OF SOIL ABOVE THE TUNNEL FOR RAMP G-4 IS SUFFICIENT TO ACCOMODATE THE TYPE A CONCRETE FOUNDATIONS FOR THE WRONG WAY SIGN POSTS BEFORE ANY FOUNDATION WORK HAS BEGUN. THE CONTRACTOR MAY ELECT TO SUBSTITUTE THE PROPOSED CONCRETE FOUNDATION FOR THE WRONG WAY SIGNS WITH METAL SCREW IN FOUNDATIONS.
4. THE CONTRACTOR SHALL CLEAR ANY SHRUBS, SMALL TREES, ETC. REQUIRED TO INSTALL AND PROVIDE ADEQUATE VISIBILITY FOR ALL PROPOSED EQUIPMENT.
5. THE CONTRACTOR SHALL INSTALL THE OVERSIZED NO RIGHT TURN (R3-1) SIGN SO THAT IT IS VISIBLE ABOVE THE OVERPASS FENCING AND BOLLARD.

LEGEND

- EX. HEAVY DUTY HANDHOLE
- EX. CONDUIT
- EX. LIGHTING CONTROLLER
- EX. ITS CABINET
- EX. TRAFFIC SIGNAL CABINET
- EX. DOUBLE HANDHOLE
- EX. LIGHT POLE 45FT MH DAVIT ARM
- EX. MIGH MAST LIGHT TOWER
- PROP. SIGN PANEL (R3-1 - OVERSIZED)
- PROP. CONDUIT
- PROP. LIGHT POLE 45FT MH TENON MOUNT
- PROP. VEHICLE VIDEO DETECTION SYSTEM
- PROP. CCTV DOME CAMERA HD
- PROP. WRONG WAY SIGN WITH FLASHING BEACONS
- PROP. SIDEWALK REMOVAL
- PROP. FLASHER CONTROLLER (INSTALLED ON EX. LIGHTING CABINET)

ITS-08

NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

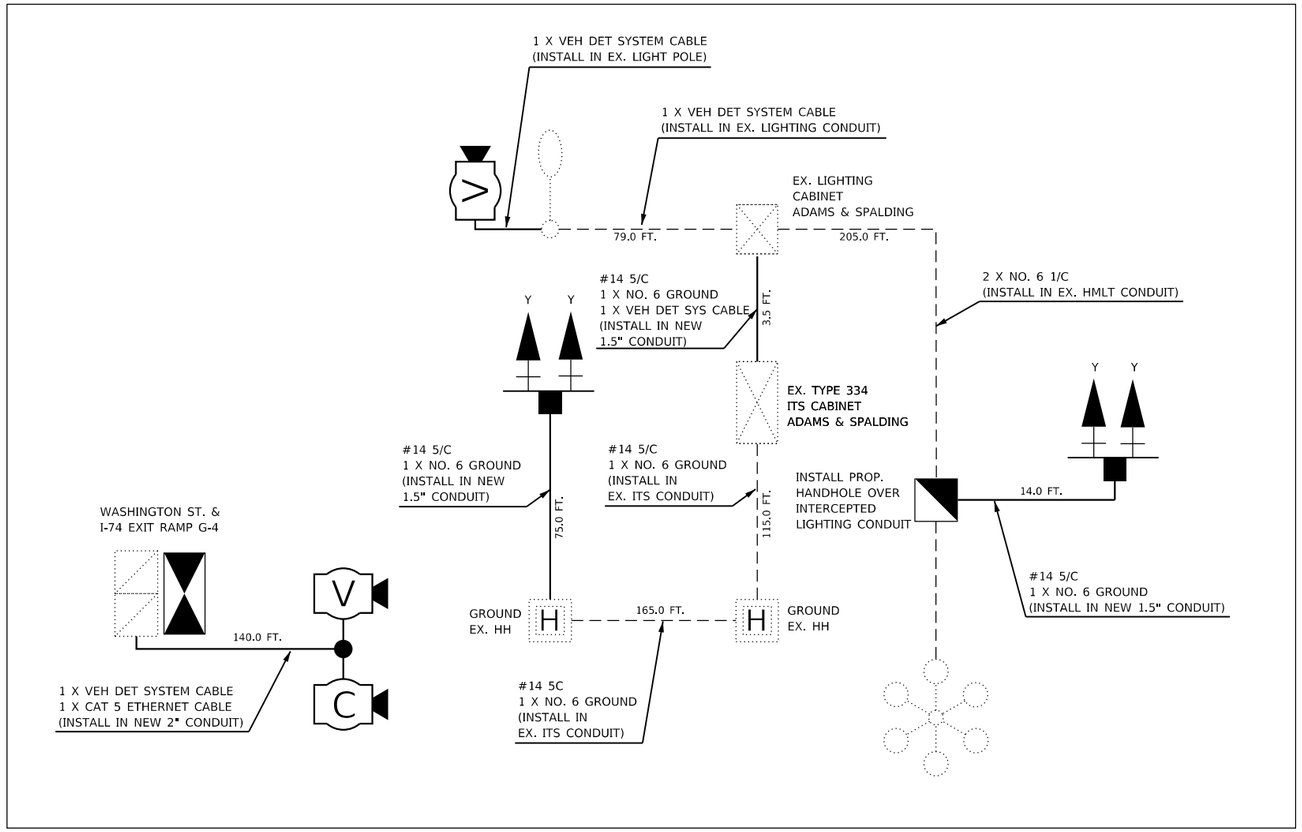
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WRONG WAY SIGN WITH FLASHING BEACONS INSTALLATION
I–74 MURRAY BAKER BRIDGE – PEORIA COUNTY

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

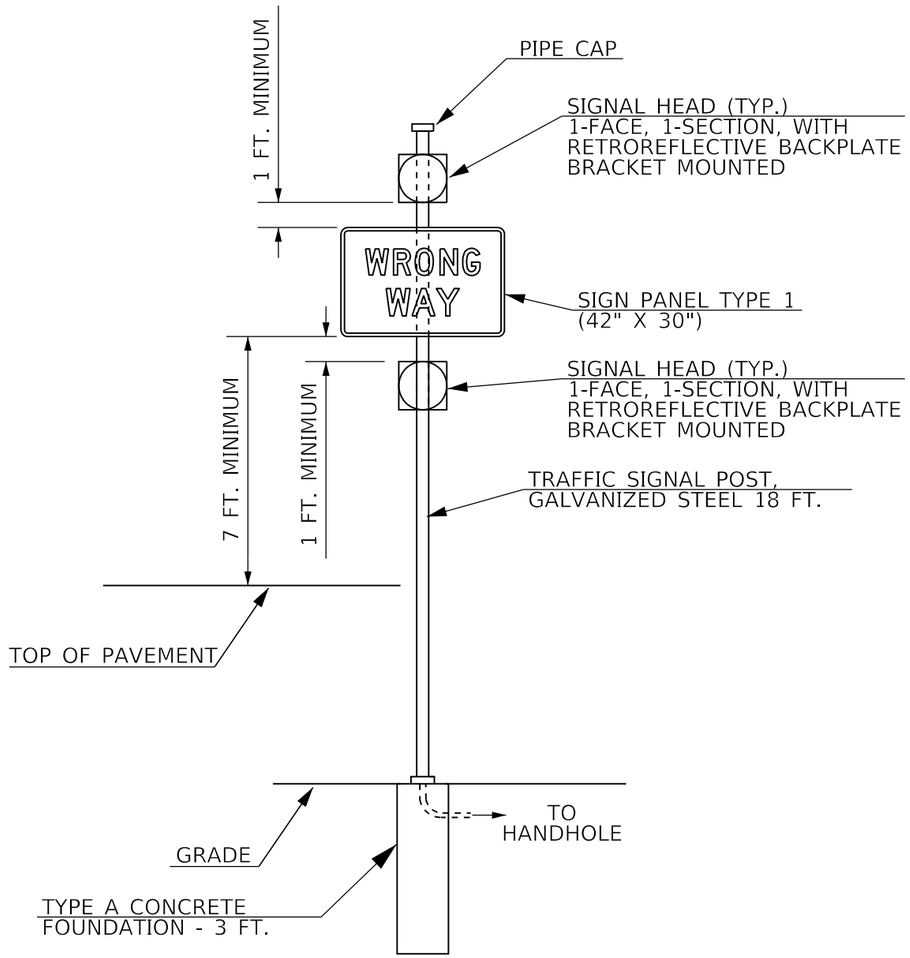
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	166
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

CABLE DIAGRAM



LEGEND

H	EX. HEAVY DUTY HANDHOLE	J	EX. JUNCTION BOX
– – –	EX. CONDUIT		EX. DETECTOR LOOP
	EX. LIGHTING CONTROLLER	———	PROP. CONDUIT
	EX. ITS CABINET	●	PROP. LIGHT POLE 50FT MH TENON MOUNT
TS	EX. TRAFFIC SIGNAL CABINET	V	PROP. VEHICLE VIDEO DETECTION SYSTEM
	EX. DOUBLE HANDHOLE	C	PROP. CCTV DOME CAMERA HD
	EX. LIGHT POLE 45FT MH DAVIT ARM		PROP. WRONG WAY SIGN WITH YELLOW FLASHING BEACONS
	EX. MIGH MAST LIGHT TOWER		PROP. SIDEWALK REMOVAL



WRONG WAY SIGN (TYP.)

ITS-09
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WRONG WAY SIGN WITH DUAL YELLOW FLASHING BEACON DETAIL

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	167
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES I-74 MURRAY BAKER BRIDGE ITS CAMERAS		
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. STAINLESS STEEL	FOOT	210.0
RELOCATE EXISTING PTZ CAMERA	EACH	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	6.0
ETHERNET MANAGE SWITCH	EACH	2.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0

THE COST OF THE PROPOSED CAMERA MOUNTING BRACKETS SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT ATTACHED TO STRUCTURE

THE COST OF RELOCATING THE EXISTING CAMERAS FOR WB TRAFFIC TO THE CENTER OF THE INSIDE LANE SHALL BE INCLUDED IN THE PAY ITEM FOR "RELOCATE EXISTING PTZ CAMERA"

ITS-10
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

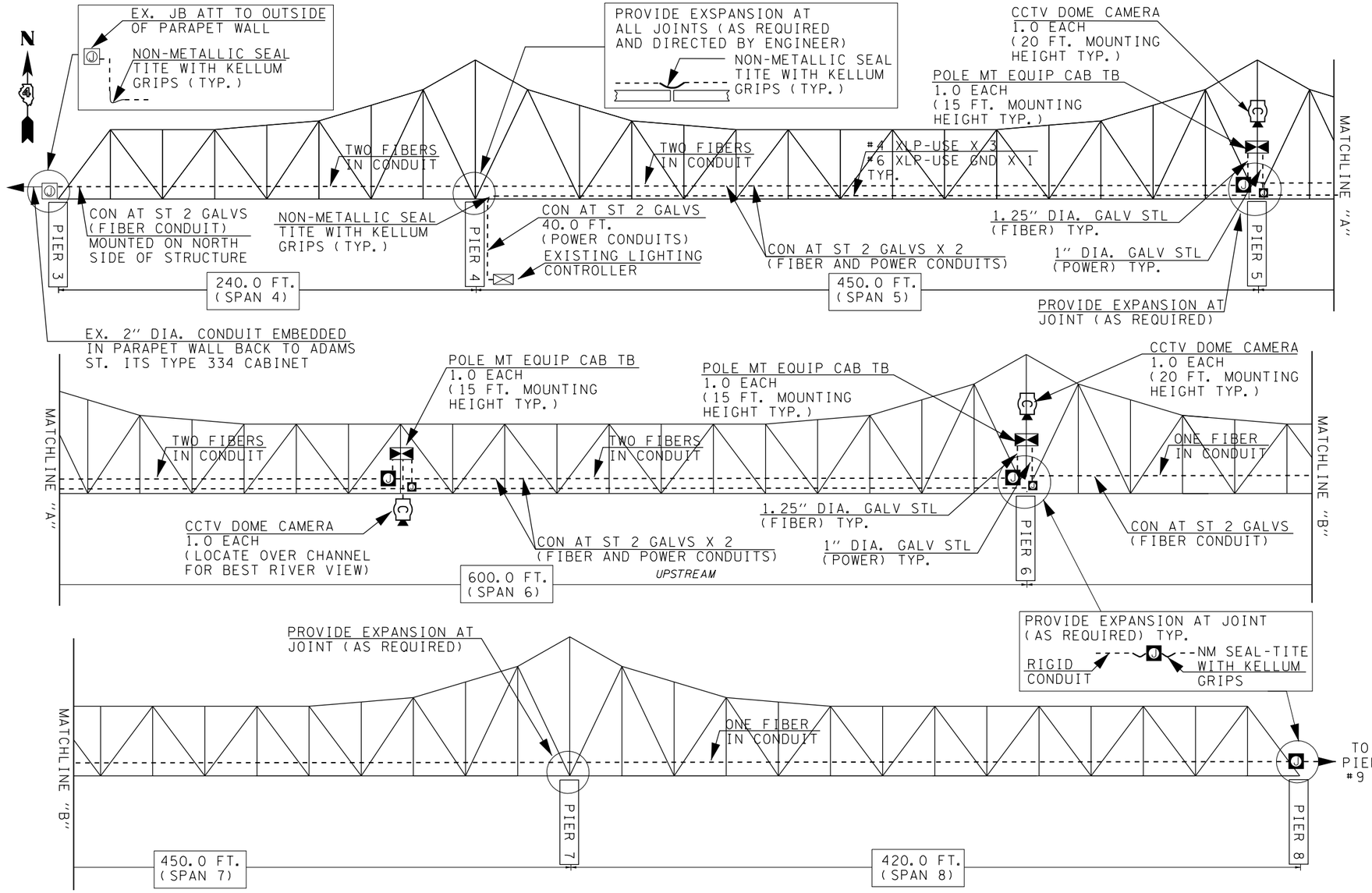
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CCTV CAMERA INSTALLATION
I-74 MURRAY BAKER BRIDGE

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	168
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY



SLACK CABLE LENGTHS	
JUNCTION BOX (FIBER):	10.0 FT.
JUNCTION BOX (POWER):	3.0 FT.

PROP. JB SS ATS 24X24X10 (FIBER)
PROP. JB SS ATS 12X12X4 (POWER)
PROP. CCTV DOME CAMERA
PROP. CONDUIT ATS GS
PROP. POLE MOUNTED EQUIP CABINET TYPE B

MODEL: $MODELNAME$
FILE NAME: $FILE$

ITS-11
NOT TO SCALE

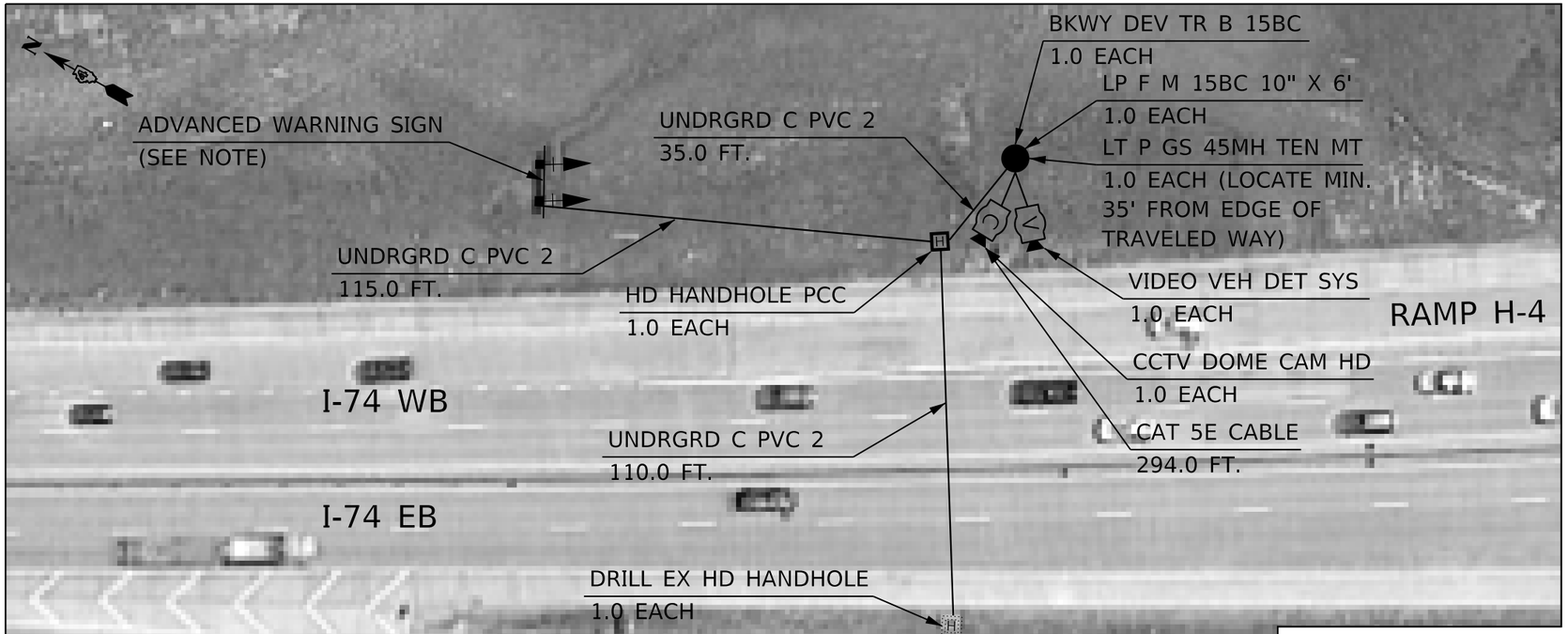
USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

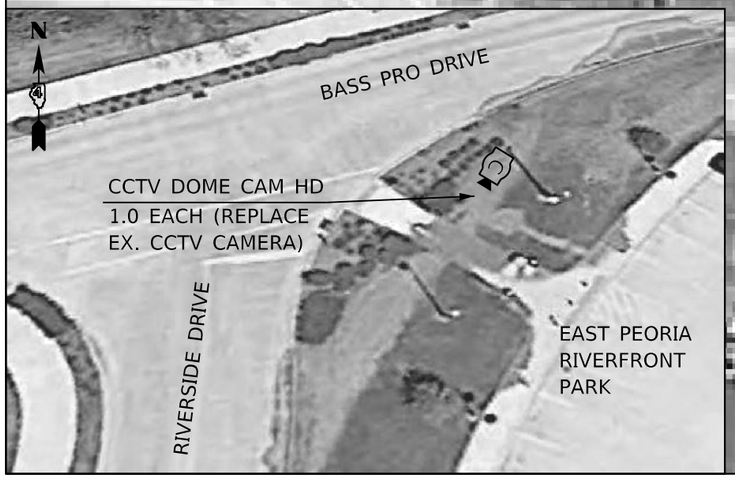
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

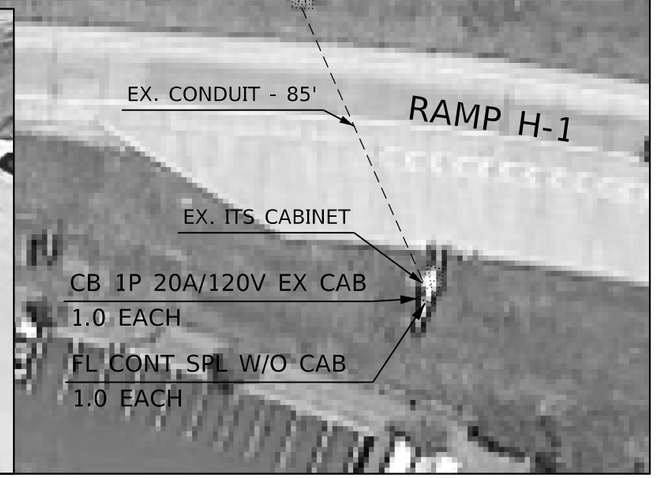
EXISTING ITS PLANS
I-74 MURRAY BAKER BRIDGE

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	169
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	







BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 3	SQ FT	175.0
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1475.0
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	3.8
REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	260.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	1.0
HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	347.0
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1.0
FLASHER CONTROLLER, SPECIAL, WITHOUT CABINET	EACH	1.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	395.5
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2.0
CAT 5 ETHERNET CABLE	FOOT	294.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0
REMOVE EXISTING SIGN COMPLETE	EACH	1.0
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. STAINLESS STEEL	FOOT	30.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0

ADVANCED WARNING SIGN

EACH INSTALLATION INCLUDES:
SH P LED 1F 1S BM - QTY. 2.0 EACH
SIGN PANEL, TYPE 3 - QTY. 135.0 SQ FT
TS BACKPLATE RET-REFL - QTY. 2.0 EACH
CON AT ST 3/4 SS - QTY. 30.0 FT.
JUN BX SS AS 12X12X6 - QTY. 1.0 EACH
GULFBOX JUNCTION CC - QTY. 1.0 EACH

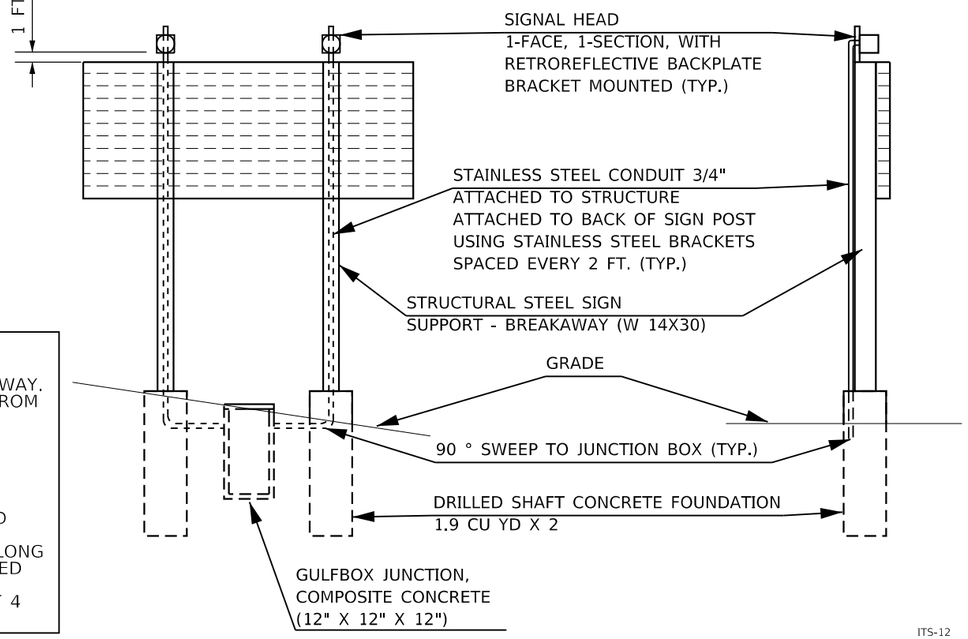
LEGEND

- EX. HEAVY DUTY HANDHOLE
- EX. CONDUIT
- EX. ITS CABINET
- PROP. ADVANCED WARNING SIGN WITH FLASHING BEACONS
- PROP. CONDUIT
- PROP. LIGHT POLE 45FT MH TENON MOUNT
- PROP. VEHICLE VIDEO DETECTION SYSTEM
- PROP. CCTV DOME CAMERA HD

NOTES:
1. REFER TO SHEET ITS-13 FOR THE ADVANCED WARNING SIGN DETAIL
2. THE ADVANCED WARNING SIGN SHALL BE LOCATED 35' FROM THE EDGE OF TRAVELED WAY.
3. THE LIGHT POLE FOR THE VIDEO VEHICLE DETECTION SYSTEM SHALL BE LOCATED 35' FROM THE EDGE OF TRAVELED WAY.
4. THE FLASHING BEACONS SHALL OPERATE IN A WIG-WAG PATTERN WHEN ACTIVATED.
5. REFER TO THE BREAK-AWAY WIDE FLANGE SIGN POST DETAILS FOR INFORMATION REGARDING THE INSTALLATION OF CONCRETE FOUNDATIONS AND STRUCTURAL STEEL SUPPORTS.
6. THE SIGNAL HEADS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE. THE HARDWARE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INLCLUDED IN THE BID PRICE FOR THE SIGNAL HEADS.
7. THE EXISTING "DOWNTOWN PEORIA EXIT 93" SIGN FOR I-74 WB SHALL BE REMOVED (ALONG WITH ALL ASSOCIATED CONCRETE FOUNDATIONS AND STRUCTURAL STEEL) AND REPLACED WITH THE PROPOSED SIGN AT THE SAME LOCATION.
8. THE EXISTING SIGN PANELS SHALL BE REMOVED AND DELIVERED TO THE IDOT DISTRICT 4 SIGN SHOP AT 1025 W. DETWEILLER DR. PEORIA, IL 61615.

ADVANCED WARNING SIGN
FRONT VIEW

ADVANCED WARNING SIGN
SIDE VIEW



ITS-12
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

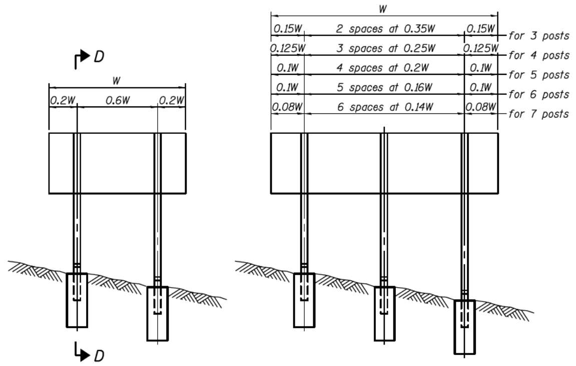
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ITS EQUIPMENT INSTALLATION
I-74 TAZEWELL COUNTY CRASH INVESTIGATION SITE

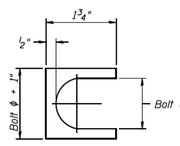
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	170
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

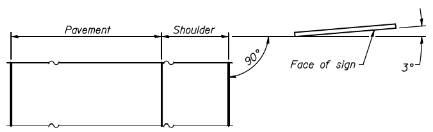


ELEVATION

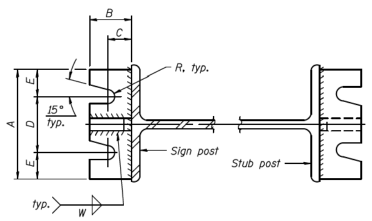


SHIM DETAIL

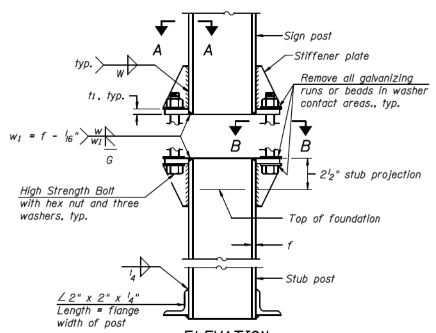
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.



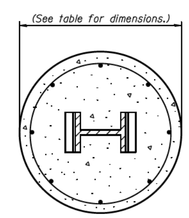
LOCATION SKETCH



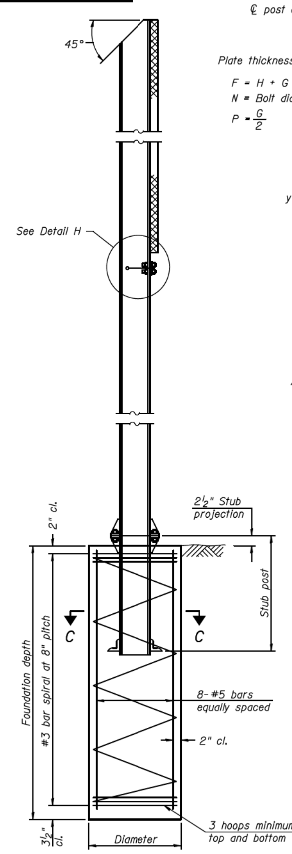
SECTION A-A SECTION B-B



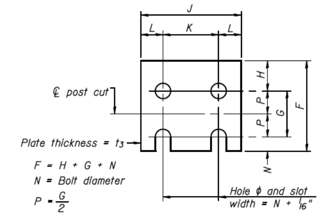
ELEVATION
SIGN POST & STUB POST



SECTION C-C

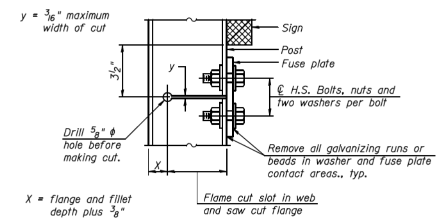


SECTION D-D

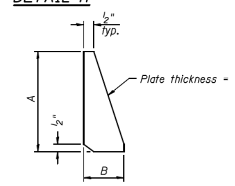


FUSE PLATE DETAIL
(Install with notches down.)

FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL
Diameter

GENERAL NOTES

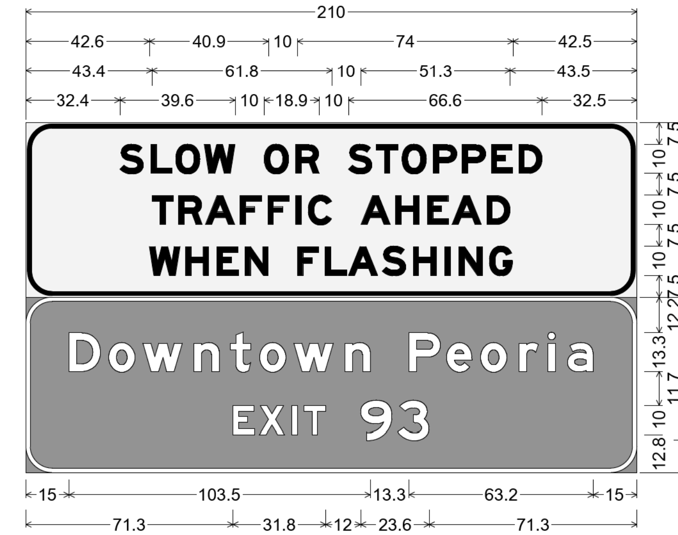
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.



9.0" Radius, 1.5" Border, 0.5" Indent, Black on Fluorescent yellow;
"SLOW OR STOPPED" E Mod 2K; "TRAFFIC AHEAD" E Mod 2K;
"WHEN FLASHING" E Mod 2K;
9.0" Radius, 1.5" Border, White on Green;
"Downtown Peoria" E Mod 2K; "EXIT" E Mod 2K 120% spacing;
"93" E Mod 2K;
Table of distances between letter and object lefts.

	S	L	O	W	O	R	S	T	O	P	P	E	D	
32.4	10.6	8.6	9.8	20.6	10.8	18.1	9.6	8.8	10.8	10.0	9.9	9.5	8.0	32.5

	T	R	A	F	F	I	C	A	H	E	A	D	
43.4	9.2	9.2	11.9	9.5	9.5	4.4	18.1	11.9	10.9	8.5	11.9	8.1	43.5

	W	H	E	N	F	L	A	S	H	I	N	G	
42.6	12.4	10.9	9.5	18.1	9.4	8.1	11.6	10.5	10.9	4.9	10.5	8.1	42.5

	D	o	w	n	t	o	w	n	P	e	o	r	i	a	
15.0	13.6	11.7	17.5	12.7	10.0	11.7	17.5	22.1	12.8	11.7	13.2	9.9	6.8	8.8	15.0

	E	X	I	T	9	3	
71.3	9.1	11.2	4.1	19.4	12.8	10.8	71.3

POST	CONCRETE FOUNDATION TABLE: Foundation Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Reinforcement: Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)	Stub Post Length	POST TO STUB POST CONNECTION DATA: Bolt Size	A	B	C	D	E	t1	t2	R	W	FUSE PLATE DATA: J	K	L	t3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

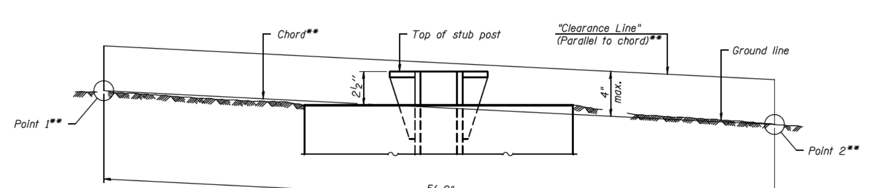
*Dimensional changes required for varying site conditions shall be approved by the Engineer.

FUSE PLATE BOLT SIZE (Sign Height)

POST	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"

POST	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	—	—	—	—	—	—	—	—	—	—
W6x15	—	—	—	—	—	—	—	—	—	—
W8x18	—	—	—	—	—	—	—	—	—	—
W10x22	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	—
W10x26	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	—
W12x26	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—
W14x30	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—
W14x38	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

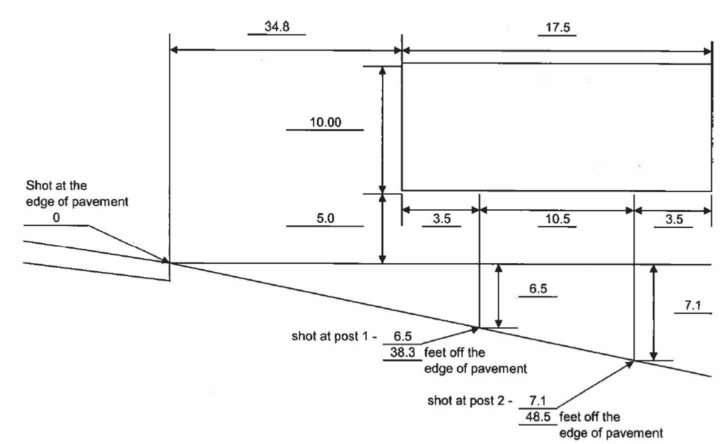
(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

SIGN DETAIL SHEET

District: 4
Route: I-74
Exit No.
County: Tazewell
Sign Code No(s).

Direction of Travel: WB
Station Number:
Milepost Number:
Offset from Edge of Pavement: 34.8



LENGTH OF POST 1 - 10 FT 0 IN + 11 FT 6 IN - 2.5 IN = 21 FT 4 IN

LENGTH OF POST 2 - 10 FT 0 IN + 12 FT 1 IN - 2.5 IN = 21 FT 10 IN

Sign Panel(s) = 175.00 sq. ft.
Post Size = W 14 X 30
Concrete foundations = 1.90 cu. Yd. Each
3.8 cu. Yd. Total

L1 (Excluding Stub Post) = 21 FT. 4 IN.
L2 (Excluding Stub Post) = 21 FT. 10 IN.
Stub Post lengths = 3 FT. 0 IN.

Total Post Weight (including Stub Posts) = 1475.00 lbs.

Signed [signature] Date 8/6/19

ITS-13
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILEL$

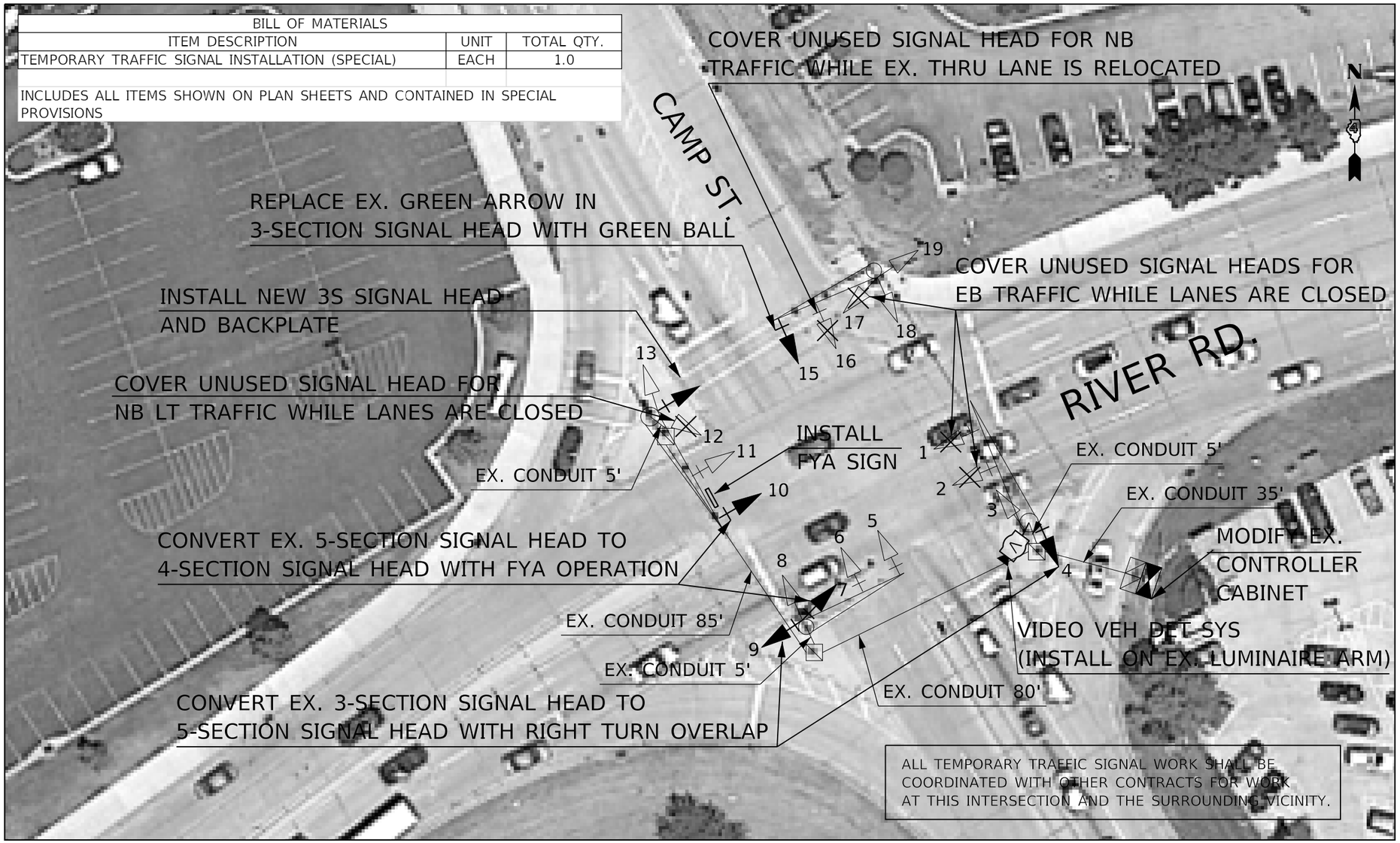
USER NAME = $USER$	DESIGNED - ________	REVISED - ________	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - ________	REVISED - ________	
PLOT SCALE = $SCALE$	CHECKED - ________	REVISED - ________	
PLOT DATE = $DATE$	DATE - ________	REVISED - ________	

ITS SIGN WITH FLASHING BEACON DETAIL
I–74 MURRAY BAKER BRIDGE – TAZEWELL COUNTY

SCALE: ________ SHEET ___ OF ___ SHEETS STA. ________ TO STA. ________

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	171
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1.0
INCLUDES ALL ITEMS SHOWN ON PLAN SHEETS AND CONTAINED IN SPECIAL PROVISIONS		



LEGEND

- EX. CONDUIT
- EX. TRAFFIC SIGNAL CONTROLLER CABINET (MODIFIED)
- EX. DOUBLE HANDHOLE
- EX. HANDHOLE
- EX. TRAFFIC SIGNAL MAST ARM
- EX. HANDHOLE
- EX. HANDHOLE
- PROP. SIGNAL HEAD MODIFICATION
- PROP. COVERED SIGNAL HEAD
- PROP. VIDEO VEHICLE DETECTION SYSTEM

ALL UNUSED TRAFFIC SIGNAL HEADS SHALL BE COVERED WITH A DURABLE, SOLID, NON-OPAQUE POLYESTER COVER.

T1. THE CONTRACTOR SHALL FURNISH AND INSTALL EQUIPMENT WITH RESPECT TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THIS SHALL INCLUDE ALL CABLING, SIGNAL HEADS, SIGNS, CONTROLLER, MMU, VIDEO DETECTION SYSTEM, LED MODULES, AND ALL OTHER EQUIPMENT REQUIRED FOR THE INSTALLATION.

T2. THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW ONE CAMERA VIDEO DETECTION SYSTEM, COMPLETE TO PROVIDE DETECTION FOR THE TEMPORARY TRAFFIC SIGNALS. THE VIDEO DETECTION SYSTEM SHALL CONFORM TO THE SPECIFICATIONS CONTAINED IN THE SPECIAL PROVISIONS FOR "VIDEO VEHICLE DETECTION SYSTEM". THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING, BRACKETS, HARDWARE, AND OTHER ITEMS REQUIRED FOR THE VIDEO DETECTION SYSTEM.

T3. THE CONTRACTOR SHALL MODIFY THE EXISTING CONTROLLER CABINET TO ACCOMMODATE THE PROPOSED OVERLAPS AND FYA SEQUENCING. THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW ECONOLITE COBALT CONTROLLER AND RENO A&E MMU.

T4. THE CONTRACTOR SHALL FURNINSH AND INSTALL ALL TRAFFIC SIGNAL CABLING AS SHOWN ON THE PLANS AND AS REQUIRED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

T5. ALL TRAFFIC SIGNAL HEADS SHALL HAVE 12" LENSES.

T6. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD REQUIREMENT.

T7. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE THE TEMPORARY TRAFFIC SIGNALS AND UNCOVER THE TRAFFIC SIGNAL HEADS.

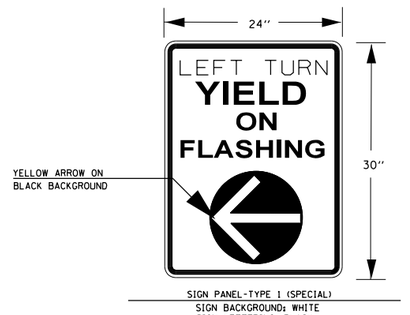
T8. UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNALS, THE VIDEO DETECTION SYSTEM, 3-SECTION TRAFFIC SIGNAL HEAD, TRAFFIC SIGNAL CONTROLLER, AND MMU SHALL BECOME THE PROPERTY OF THE DEPARTMENT. THE CONTRACTOR SHALL DELIVER THESE ITEMS, IN GOOD WORKING CONDITION, TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA.

T9. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

ESTIMATED QUANTITIES FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION - 1.0 EACH (INCLUDES ALL ITEMS LISTED BELOW)			
DESCRIPTION	UNIT	QTY.	SIGNAL HEAD REF
REBUILD EXISTING SIGNAL HEAD, LED	EACH	4.0	4, 7, 9, 10
CHANGE GREEN ARROW TO GREEN BALL IN EX 3-SECT	EACH	1.0	15
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	253.5	14
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	246.5	4, 9
TS BACKPLATE RET-REFL	EACH	3.0	4, 9, 14
SIGNAL PANEL - TYPE 1	SQ FT	5.0	10
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0	
VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0	
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0	

NOTE: THE QUANTITIES LISTED ABOVE ARE ESTIMATED QUANTITES FOR THE MAJOR COMPONENTS REQUIRED FOR THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)". THE CONTRACTOR SHALL VERIFY ALL REQUIRED COMPONENTS, INCLUDING ANY REQUIRED ITEMS NOT LISTED ABOVE, AND THEIR QUANTITIES PRIOR TO BIDDING AND INCLUDE ALL ITEMS IN THE BID PRICE. THERE WILL BE NO ADDITIONAL COMPENSATION.

TEMPORARY SIGNAL HEAD SCHEDULE			
REF	MOVEMENT	EXISTING	PROPOSED
1	EB THRU	3-SECTION	COVERED
2	EB THRU	3-SECTION	COVERED
3	SB LT	3-SECTION	NO CHANGE
4	NB THRU	3-SECTION	MODIFY TO 5-SECT FOR OL A
5	SB LT	3-SECTION	NO CHANGE
6	SB THRU	3-SECTION	NO CHANGE
7	WB THRU/ LT	5-SECTION	MODIFY 5-SECT TO 4-SECT FOR FYA
8	SB THRU/LT	3-SECTION	NO CHANGE
9	EB THRU	3-SECTION	MODIFY 3-SECT TO 5-SECT FOR OL B
10	WB THRU/ LT	5-SECTION	MODIFY 5-SECT TO 4-SECT FOR FYA
11	WB THRU	3-SECTION	NO CHANGE
12	NB LT	3-SECTION	COVERED
13	SB THRU/RT	3-SECTION	NO CHANGE
14	WB THRU	NONE	INSTALL NEW 3S HEAD W/ BACKPLATE
15	EB THRU	3-SECTION	REPLACE GRN ARROW W/ GRN BALL
16	EB THRU	3-SECTION	COVERED
17	EB THRU	3-SECTION	COVERED
18	EB THRU	3-SECTION	NO CHANGE
19	WB THRU	3-SECTION	NO CHANGE



SIGN PANEL-TYPE 1 (SPECIAL)
SIGN BACKGROUND: WHITE
SIGN LETTERING: BLACK

NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATE$	DATE - _____	REVISED - _____	

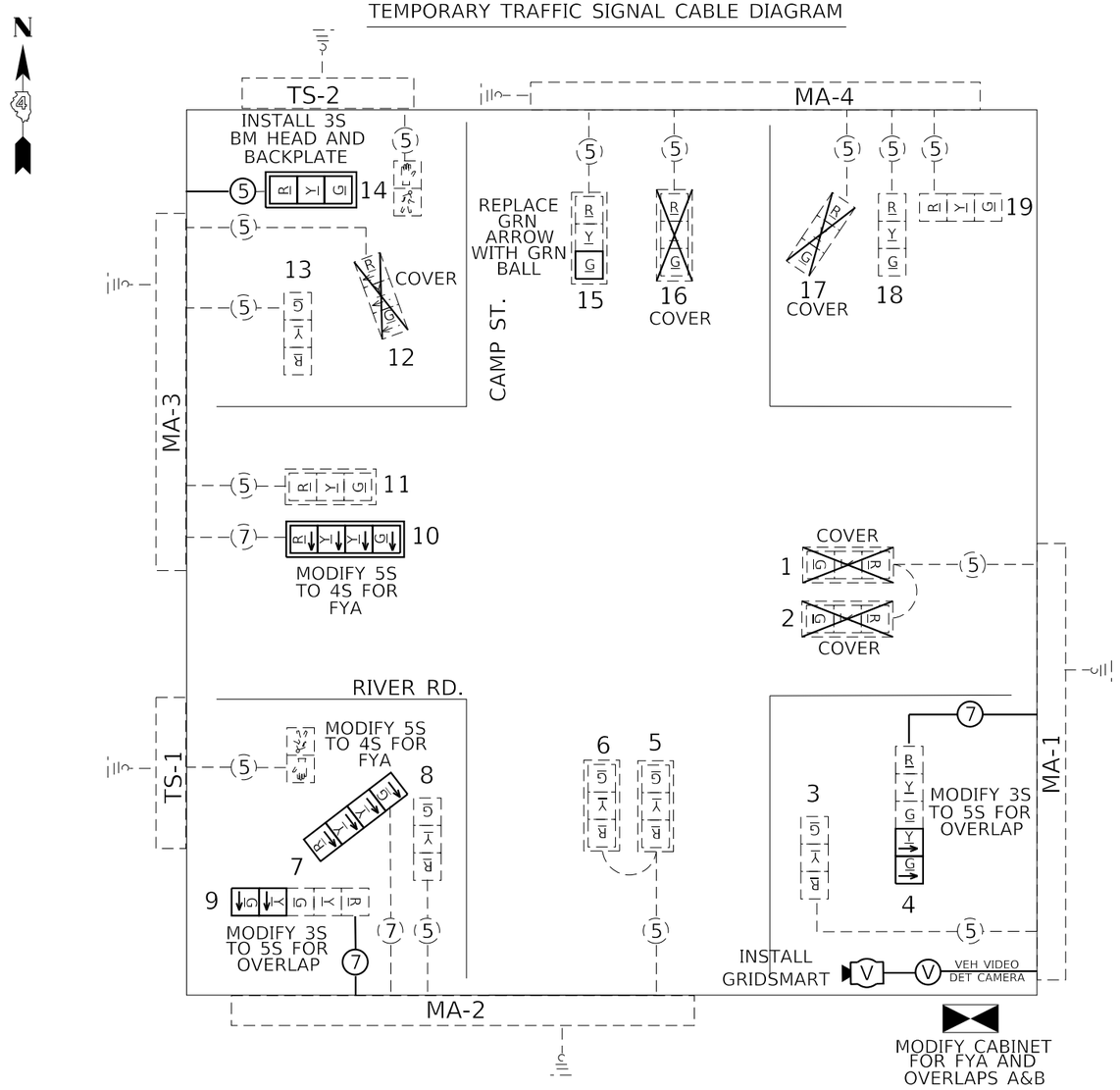
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNALS
CAMP ST. & RIVER RD. – EAST PEORIA

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	172
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM



TRAFFIC SIGNALS LEGEND

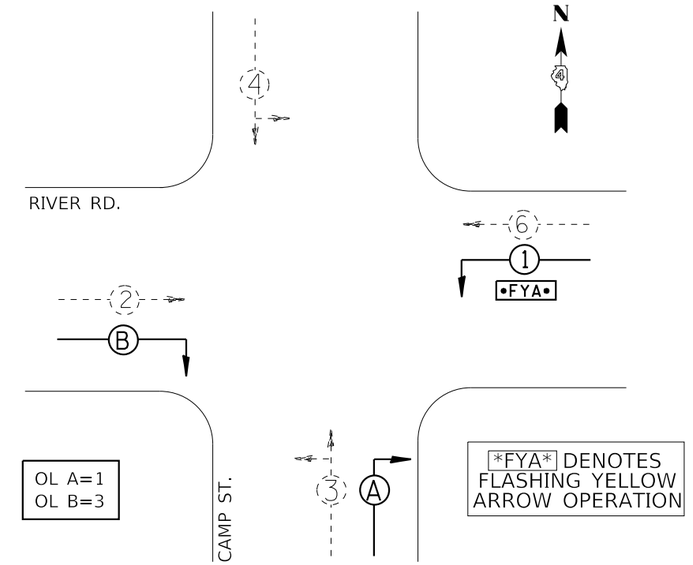
- EX. CONTROLLER CABINET (MODIFIED)
- EX. 3 SEC. SIGNAL HEAD W/BACKPLATE
- EX. 3 SEC. SIGNAL HEAD
- PROP. COVERED SIGNAL HEAD
- EX. GROUND/SAFETY BOND
- PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE
- PROP. 3 SEC. SIGNAL HEAD
- PROP. VIDEO VEHICLE DETECTION SYSTEM
- EX. PEDESTRIAN SIGNAL HEAD
- (5) EX. 5/C NO. 14 SIGNAL CABLE
- (7) EX. 5/C NO. 14 SIGNAL CABLE
- (5) PROP. 5/C NO. 14 SIGNAL CABLE
- (7) PROP. 7/C NO. 14 SIGNAL CABLE
- (V) PROP. VIDEO VEHICLE DETECTION SYSTEM CABLE

TEMPORARY PHASE DIAGRAM

NAME OF INTERSECTION CAMP ST. & RIVER RD.

PROPOSED CONTROLLER: ECONOLITE COBALT (TS-2 TYPE 2)

IN EX. TYPE IV TS-1 CABINET (16 POS. LOAD BAY)



THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION (REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION:

- MODIFY EXISTING CONTROLLER CABINET FOR FYA AND OVERLAPS A AND B (INSTALL NEW ECONOLITE COBALT CONTROLLER AND MMU)
- INSTALL FYA SIGN ON MAST ARM FOR WESTBOUND TRAFFIC
- MODIFY HEADS #4 AND #9 FROM 3 SECTIONS TO 5 SECTIONS FOR RIGHT TURN OVERLAPS
- MODIFY HEADS #7 AND #10 FROM 5 SECTIONS TO 4 SECTIONS FOR FLASHING YELLOW ARROW SEQUENCING
- INSTALL NEW 3-SECTION SIGNAL HEAD #14 FOR WESTBOUND TRAFFIC
- INSTALL NEW ONE CAMERA VIDEO DETECTION SYSTEM ON MAST ARM FOR EASTBOUND TRAFFIC

UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNALS, THE VIDEO DETECTION SYSTEM, 3-SECTION SIGNAL HEAD, TRAFFIC SIGNAL CONTROLLER, AND MMU SHALL BECOME THE PROPERTY OF THE DEPARTMENT. THE CONTRACTOR SHALL DELIVER ALL ITEMS, IN GOOD WORKING CONDITION, TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA.

NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

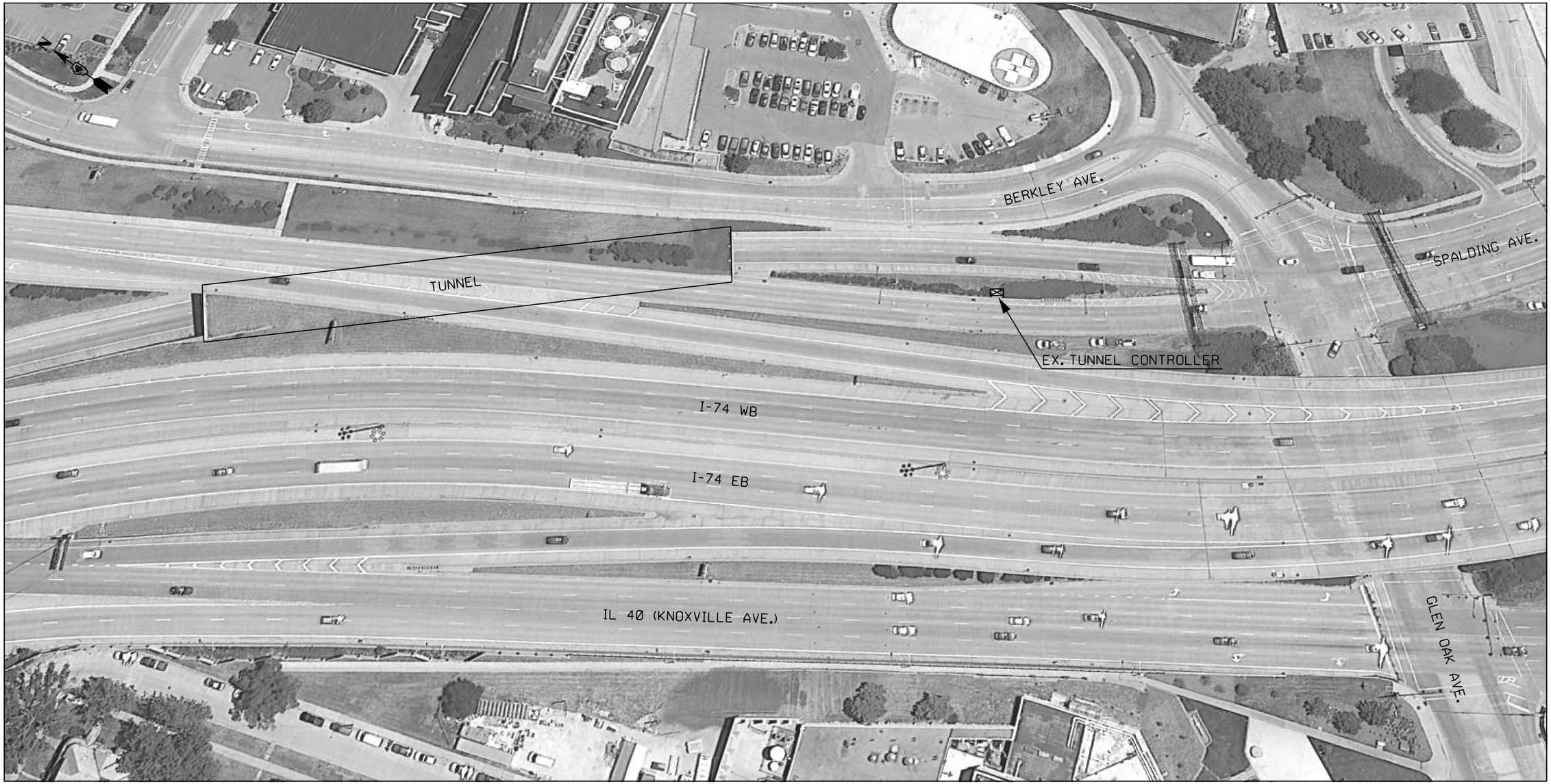
USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PHASE AND CABLE DIAGRAMS
CAMP ST. & RIVER RD. – EAST PEORIA

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	173
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES I-74 WB RAMP F-6 TUNNEL LUMINAIRE MAINTENANCE		
MAINTAIN EXISTING LIGHTING CONTROLLER	EACH	1.0
CLEAN AND RELAMP EXISTING LUMINAIRE	EACH	268.0
CLEAN, RELAMP AND MAINTENANCE OF EXISTING LUMINAIRE	EACH	67.0

THE CONTRACTOR SHALL TURN OFF TUNNEL LIGHTING CIRCUITS IN ADVANCE OF RELAMPING TO PREVENT DAMAGE TO LUMINAIRE BALLASTS CAUSED BY RAPID EXPOSURE TO OXYGEN. THE LUMINAIRES SHALL REMAIN DE-ENERGIZED FOR A 2 HOUR MINIMUM PERIOD PRIOR TO COMMENCING RELAMPING. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN OPENING LUMINAIRES FOR SERVICING.

LM-01
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TUNNEL LUMAIRE MAINTENANCE AND REPAIR
I-74 WB AT GLEN OAK DR.

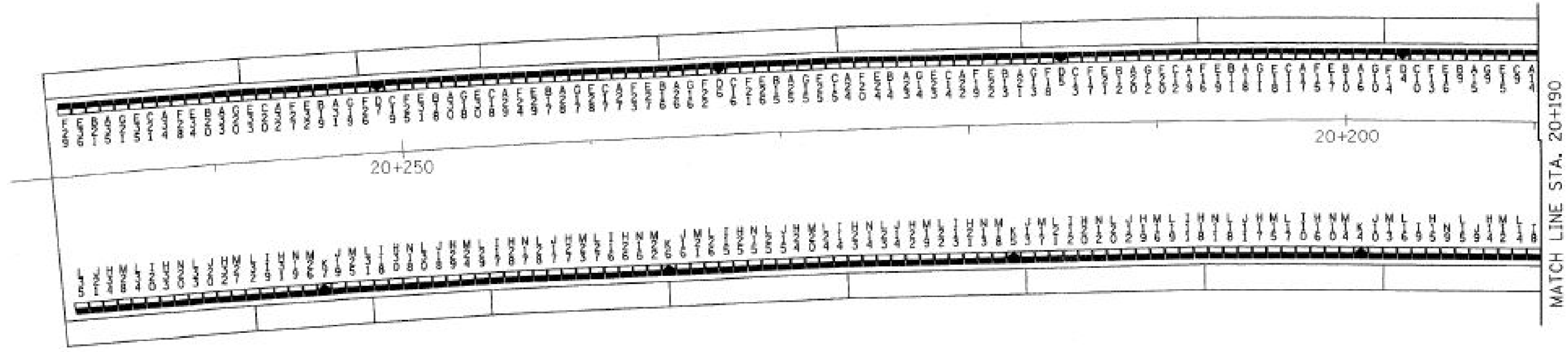
SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	174
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

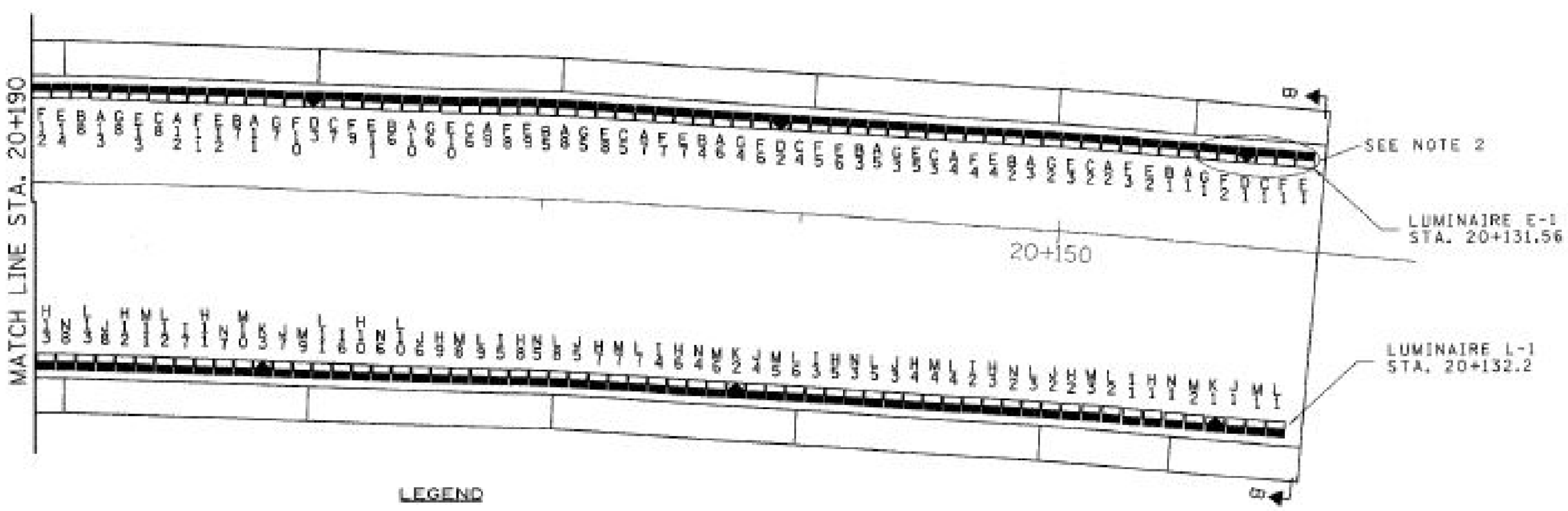
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72I.A.3.3-1B-2	PEORIA	2775	2373
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

68198



NOTES

1. THE COST OF THE CONTINUOUS CONCRETE INSERT SHALL BE INCLUDED IN THE PAY ITEM "CONDUIT EMBEDDED IN STRUCTURE, 40mm DIA. PVC."
2. FOR TYPICAL TUNNEL LUMINAIRE PLAN VIEW, AND CROSS SECTION B-B, SEE SHEET 38 OR 38A AND 39 RESPECTIVELY.
3. THE COST OF THE LIQUID TIGHT FLEX. CONDUIT SHALL BE INCLUDED IN THE PAY ITEM "CONDUIT EMBEDDED IN STRUCTURE, 40MM DIA. PVC."
4. PROPOSED TUNNEL LUMINAIRES SHALL BE SPACED AT 750mm CENTERS.



STREET LIGHTING-BILL OF MATERIAL-THIS SHEET

PAY ITEM	UNIT	QTY.
CONDUIT EMBEDDED IN STRUCTURE, 40mm DIA. PVC	METER	503.0
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 300mmX300mmX150mm	EACH	2
JUNCTION BOX EMBEDDED IN STRUCTURE 200mmX200mmX150mm	EACH	168
TUNNEL LUMINAIRE, INSTALL ONLY	EACH	336

LEGEND

- PROPOSED DAY TUNNEL LUMINAIRE, 400W HPS (INSTALL ONLY)
- PROPOSED NIGHT TUNNEL LUMINAIRE, 100W (INSTALL ONLY)

LIGHTING SHEET 37 OF 81

REVISIONS	
NAME	DATE

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

ILLINOIS DEPARTMENT OF TRANSPORTATION

BRIDGE LIGHTING PLAN
RAMP F-6 TUNNEL

DATE: 12/23/03
DRAWN BY GNT
CHECKED BY MKR

12/23/2003

LM-02
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: ______ SHEET __ OF __ SHEETS STA. ______ TO STA. ______

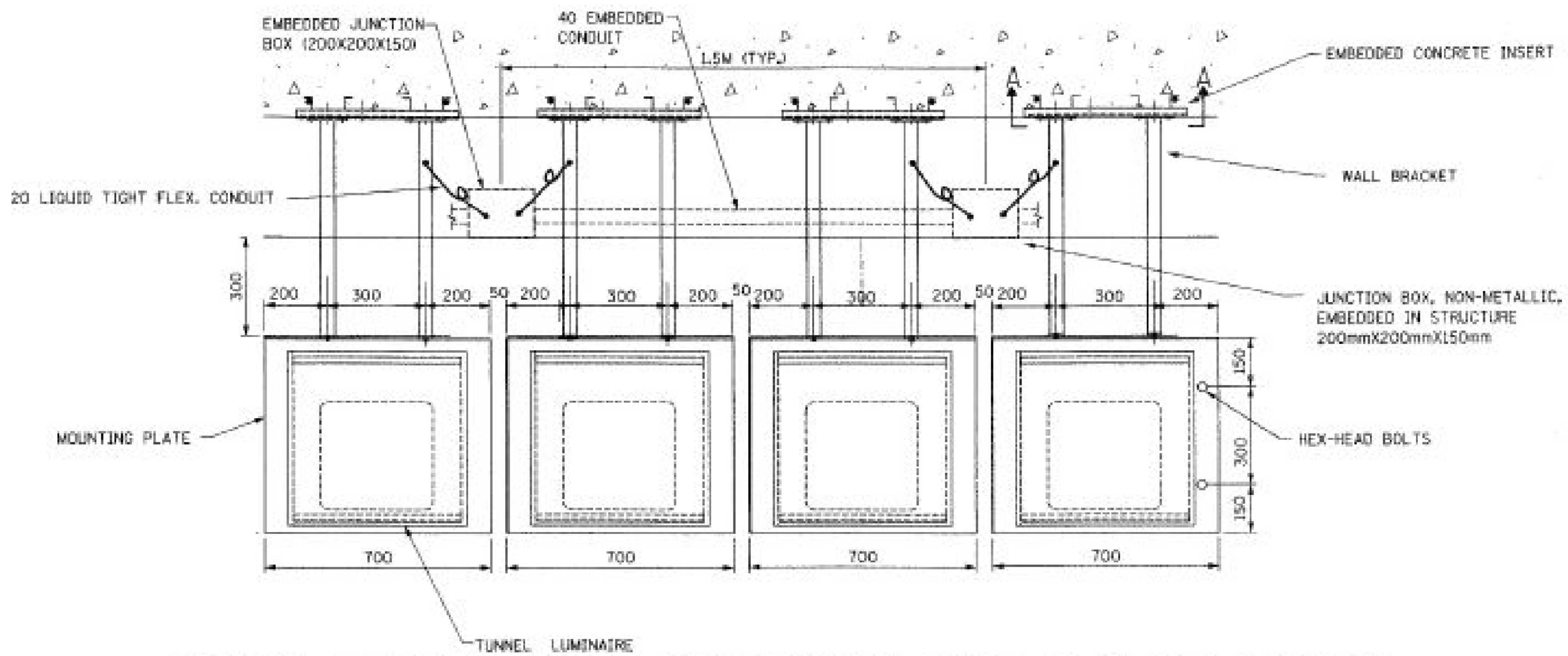
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	175
CONTRACT NO. 68C89				
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72(7,8,9,9-1)R-2	PEORIA	2775	2574

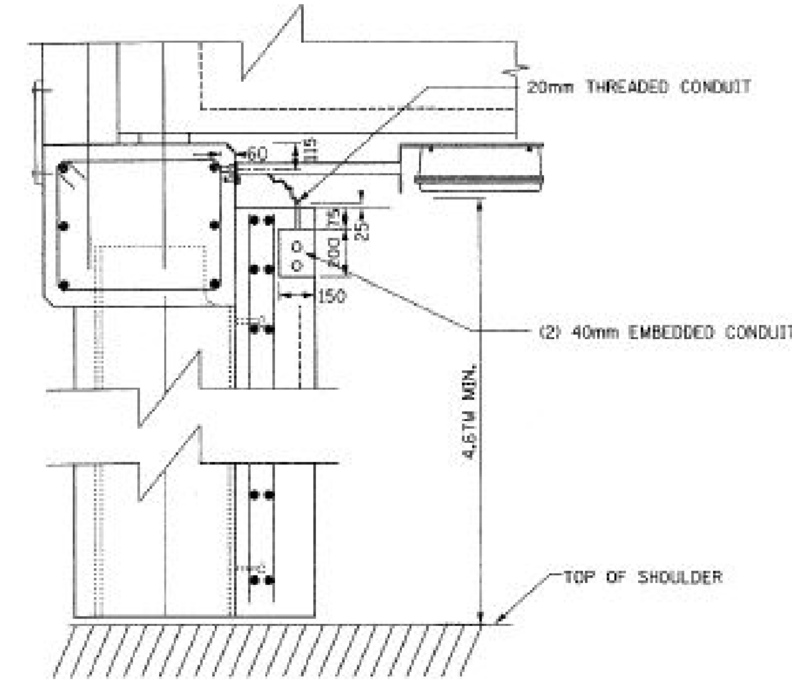
STA. ________ TO STA. ________

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

68198



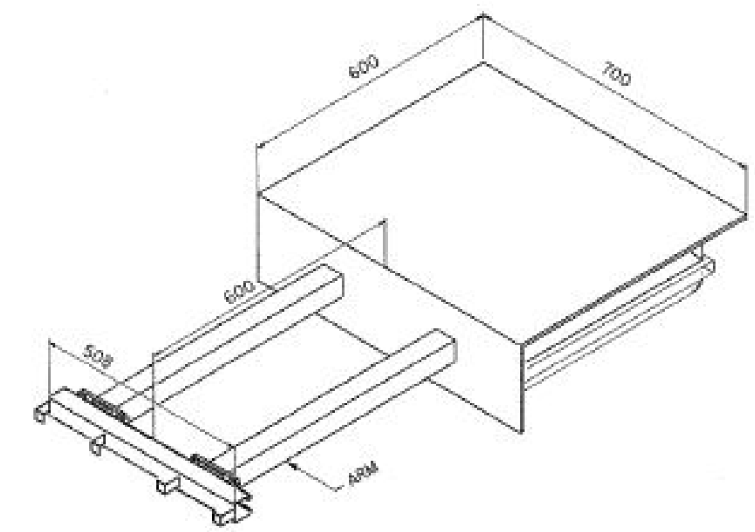
OPTION-1: TUNNEL LUMINAIRE INSTALLATION LAYOUT- PLAN VIEW (TYPICAL)



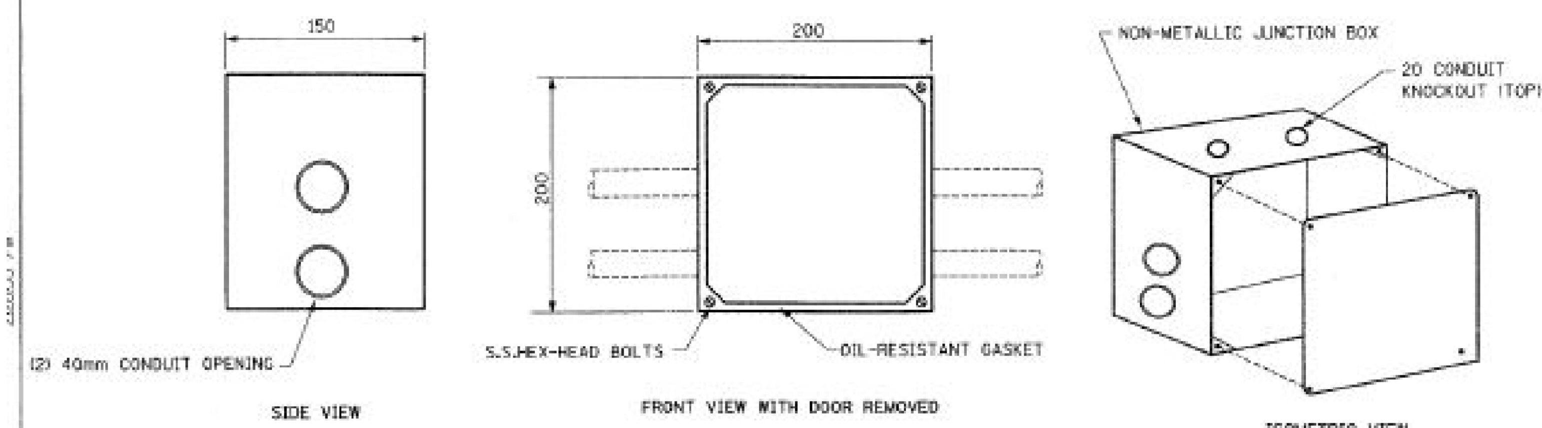
ELEVATION VIEW

NOTES:

1. ALL MOUNTING HARDWARE, BOLTS AND NUTS SHALL BE STAINLESS STEEL. ALL NUTS AND BOLTS SHALL BE FACTORY COATED WITH ANTI-SEIZE COMPOUND.
2. ALL DIMENSIONS SHOWN ARE IN MILLIMETER, UNLESS OTHERWISE NOTED.
3. THE COVER OF THE JUNCTION BOX SHALL BE ARRANGED TO FIT FLUSH WITH THE WALL SURFACE.
4. THE TUNNEL LUMINAIRE, MOUNTING PLATE AND WALL BRACKET SHALL BE FURNISHED TO THE CONTRACTOR UNDER A SEPARATE CONTRACT.
5. FOR CROSS SECTION A-A, SEE LIGHTING SHEET 38A.
6. THE COST OF ATTACHING THE WALL BRACKET TO THE EMBEDDED CONCRETE INSERT FOR EITHER OPTION (INCLUDING ALL NECESSARY HARDWARE, NUTS AND BOLTS) SHALL BE INCLUDED IN THE PAY ITEM FOR TUNNEL LUMINAIRE, (INSTALL ONLY).
7. FOR CONCRETE INSERT AND WALL MOUNTING BRACKET DETAIL, SEE LIGHTING SHEET 38A.
8. THE LOCATION OF THE EMBEDDED CONCRETE INSERTS AND JUNCTION BOXES SHALL BE THE SAME FOR BOTH OPTIONS 1 & 2.



ISOMETRIC VIEW (OPTION 1)



NON-METALLIC EMBEDDED JUNCTION BOX (200X200X150)

LIGHTING SHEET 38 OF 81

FOR INFORMATION ONLY

REVISIONS: NAME | DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TUNNEL LIGHTING
RAMP F-6

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

DATE: 12/23/03 DRAWN BY DJK CHECKED BY MKR

LM-02
NOT TO SCALE

USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING PLANS I-74 WB RAMP F-6 TUNNEL
	DRAWN -	REVISED -		
PLOT SCALE = $SCALE$	CHECKED -	REVISED -		
PLOT DATE = $DATE$	DATE -	REVISED -		SCALE: ____ SHEET __ OF __ SHEETS STA. ____ TO STA. ____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	176

CONTRACT NO. 68C89

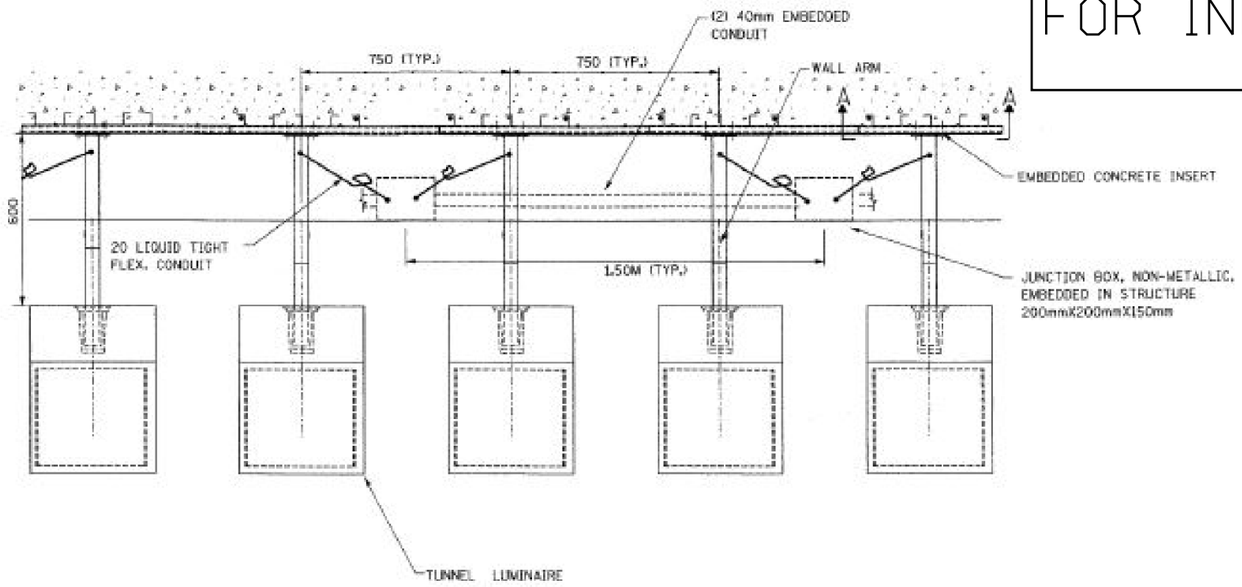
ILLINOIS FED. AID PROJECT

MODEL: $MODELNAME$
FILE NAME: $FILE$

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	177
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

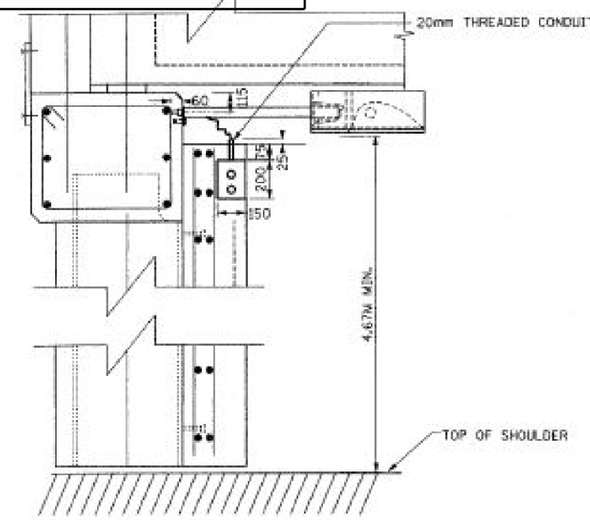
68198

FOR INFORMATION ONLY

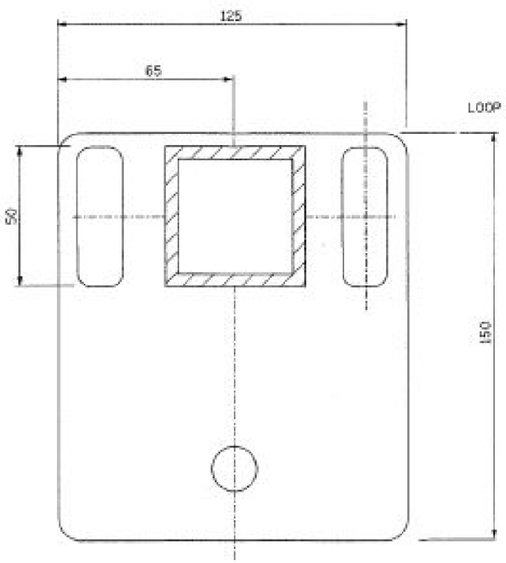


OPTION-2: TUNNEL LUMINAIRE INSTALLATION LAYOUT- PLAN VIEW (TYPICAL)

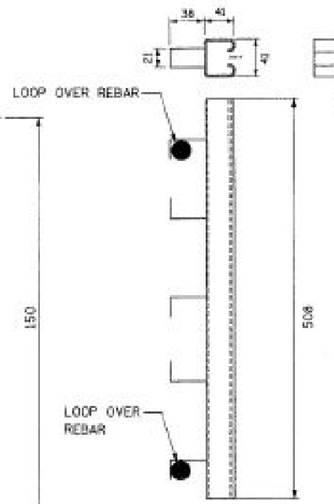
FOR NOTES, SEE SHEET 38.



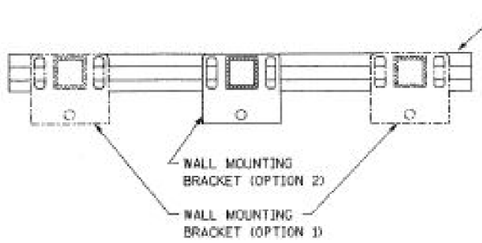
LUMINAIRE ATTACHMENT - ELEVATION



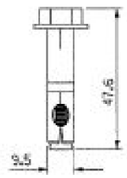
WALL MOUNTING BRACKET



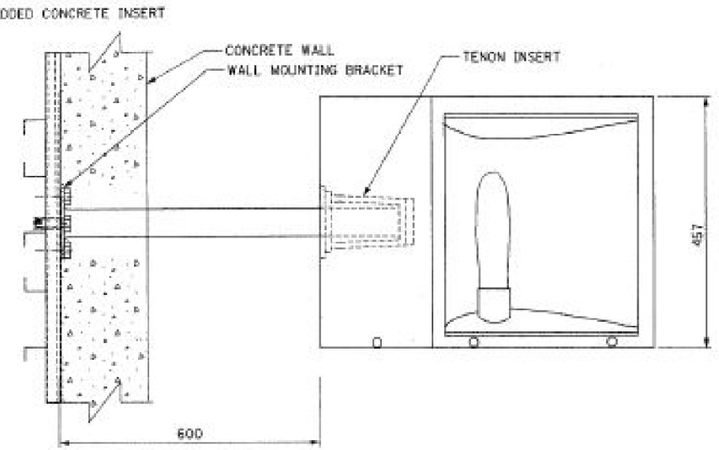
CONCRETE INSERT



SECTION A-A
(TYP. FOR OPTION 1 AND 2)



ANCHOR BOLT



LUMINAIRE ATTACHMENT - PLAN (OPTION 2)

LIGHTING SHEET 38A OF 81

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TUNNEL LIGHTING
RAMP F-6

DRAWN BY DJK

DATE: 12/23/03 CHECKED BY MKR

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

LM-02
NOT TO SCALE

MODEL: $MODELNAMES
FILE NAME: $FILELS

USER NAME = $USERS	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALES	CHECKED - _____	REVISED - _____
PLOT DATE = $DATES	DATE - _____	REVISED - _____

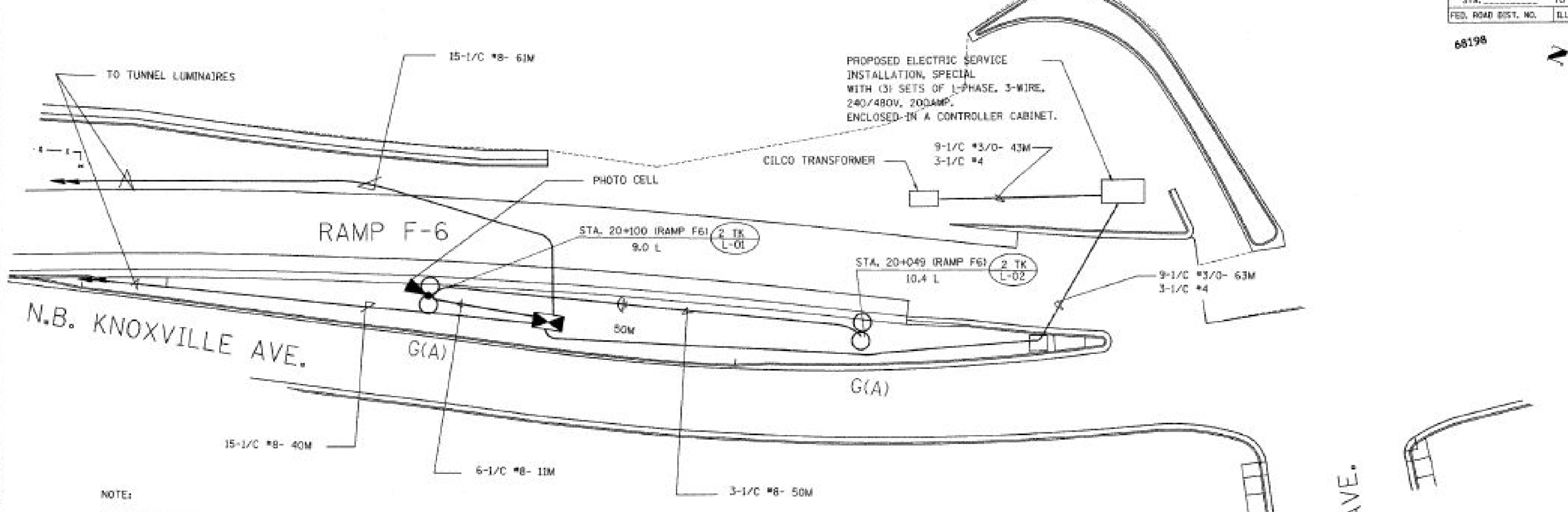
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

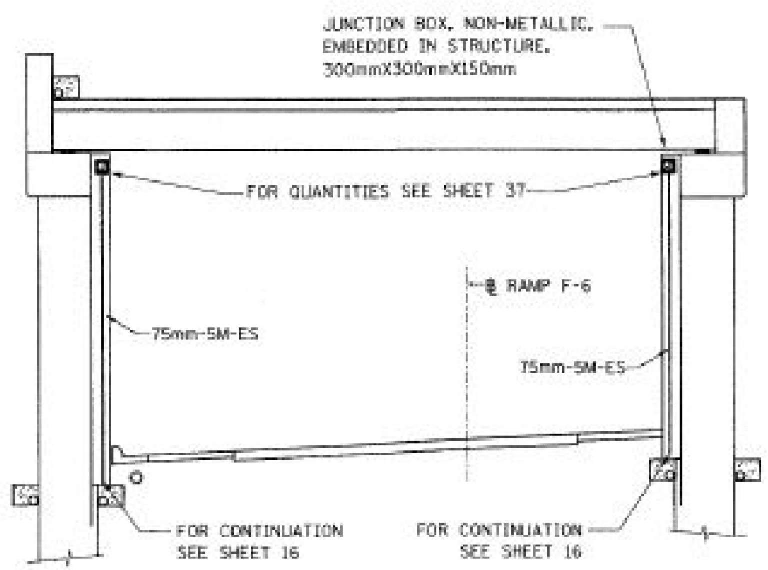
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[illegible]	PEORIA	2775	2576
STA. ________		TO STA. ________		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

68198



NOTE:

1. 3-1/C # 8 FOR PHOTO CELL TO BE MOUNTED ON LIGHT POLE TK/L-01 (PHASE & NEUTRAL)
2. FOR CONDUIT, ELECTRIC SERVICE INSTALLATIONS, CONTROLLER AND CONTROLLER FOUNDATION QUANTITIES, SEE SHEET 16.



TUNNEL SECTION
Looking North

STREET LIGHTING-BILL OF MATERIAL-THIS SHEET

PAY ITEM	UNIT	QTY.
CONDUIT EMBEDDED IN STRUCTURE, 75mm DIA., PVC	METER	10.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	1731.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	318.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	METER	954.0

FOR INFORMATION ONLY

LIGHTING SHEET 39 OF 81

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BRIDGE LIGHTING PLAN
RAMP F-6 TUNNEL

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

DATE: 12/23/03
DRAWN BY DJK
CHECKED BY MKR

LM-02
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILEL$

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: ______ SHEET __ OF __ SHEETS STA. ______ TO STA. ______

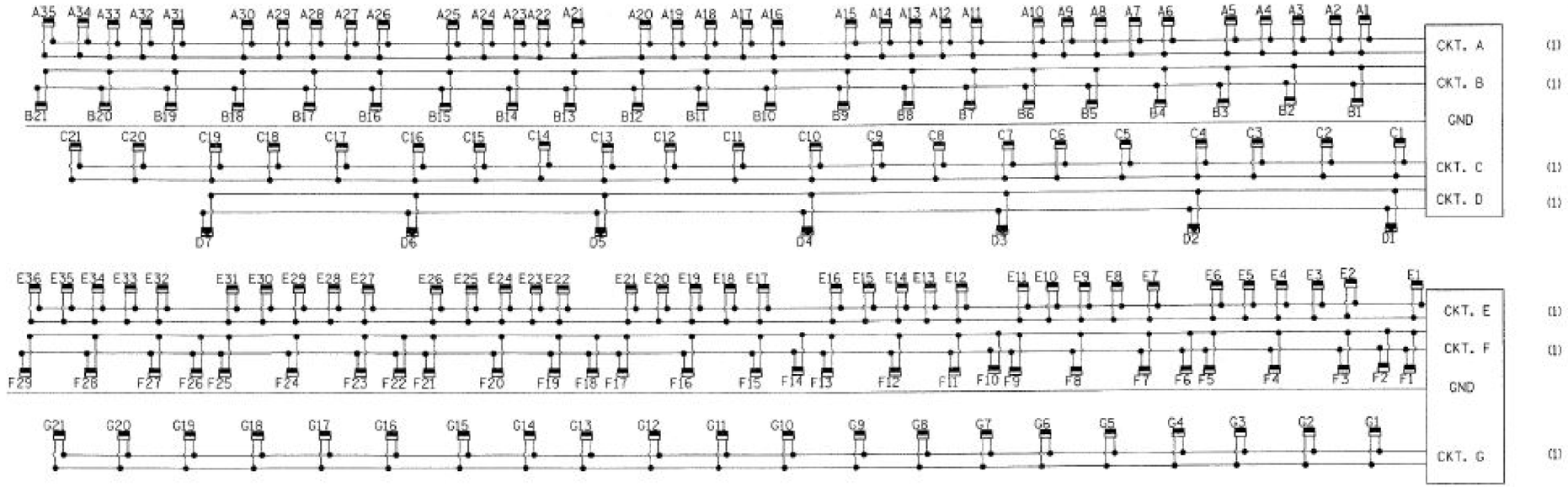
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	178

CONTRACT NO. 68C89

ILLINOIS FED. AID PROJECT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	7217,8,9,9-1R-2	PEORIA	2775	2577
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

68198



(1) 2-POLE, 50 AMP BREAKERS

CIRCUIT SCHEDULE

CONDUIT RUN	CKT	ELECTRIC CABLE	LENGTH (M)
1	A	2-1/C #8	135
	B	2-1/C #8	135
	GND	1/C #8	135
	C	2-1/C #8	132
	D	2-1/C #8	119
2	E	2-1/C #8	136
	F	2-1/C #8	137
	GRD	1/C #8	137
	G	2-1/C #8	134

FOR INFORMATION ONLY

STREET LIGHTING - BILL OF MATERIALS (FOR INFORMATION ONLY)

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	2128.0

LIGHTING SHEET 40 OF 81

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F-6 TUNNEL WIRING DIAGRAM

DRAWN BY GHT

DATE: 12/23/03 CHECKED BY MKR

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

LM-02
NOT TO SCALE

MODEL: $MODELNAMES
FILE NAME: $FILELS

USER NAME = $USERS	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALES	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATES	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

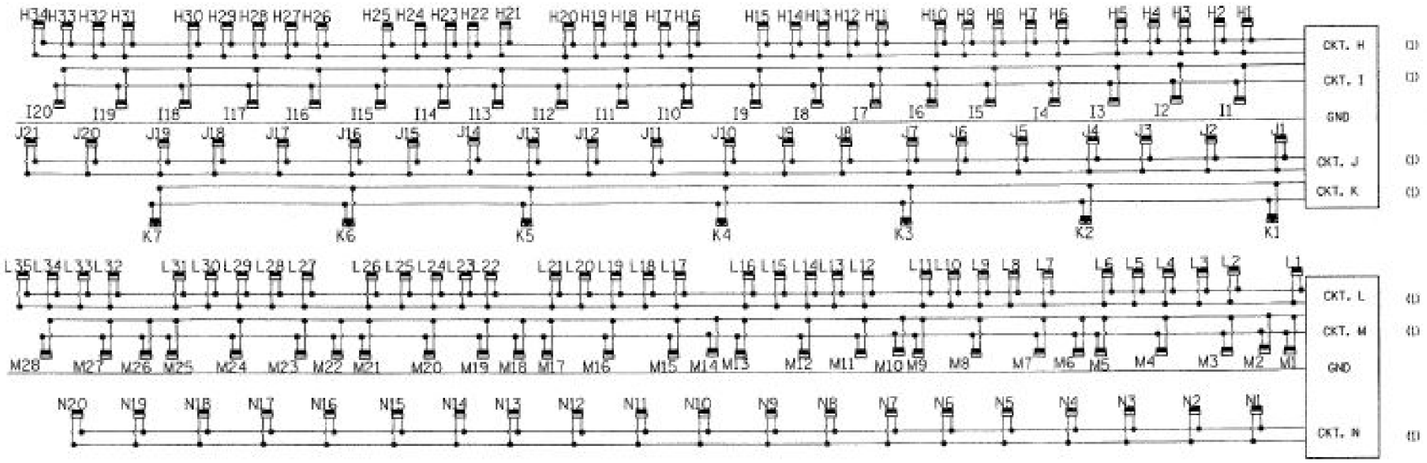
EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	179
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	7217,8,9,9-BR-2	PEORIA	2715	2075
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

68198



CIRCUIT SCHEDULE

CONDUIT RUN	CKT	ELECTRIC CABLE	LENGTH (M)
3	H	2-1/C #8	131
	I	2-1/C #8	129
	GND	1/C #8	132
	J	2-1/C #8	132
	K	2-1/C #8	119
4	L	2-1/C #8	133
	M	2-1/C #8	131
	GRD	1/C #8	133
	N	2-1/C #8	127

(1)- 2-POLE, 50 AMP BREAKERS

STREET LIGHTING - BILL OF MATERIALS (FOR INFORMATION ONLY)

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	2069.0

FOR INFORMATION ONLY

LIGHTING SHEET 41 OF 81

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F-6 TUNNEL WIRING DIAGRAM

DRAWN BY GHT
CHECKED BY MKR
DATE: 12/23/03

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

LM-02
NOT TO SCALE

MODEL: SMODELNAMES
FILE NAME: SFILES

USER NAME = $USERS	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = $SCALES	CHECKED - _____	REVISED - _____	
PLOT DATE = $DATES	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	180
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	727,8,9,9-1R-2	PEORIA	2775	2579
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

68198

DESCRIPTION	PANEL BOARD													
	PANEL BOARD # 1					PANEL BOARD # 2					PANEL BOARD # 3			
	CKT A	CKT B	CKT C	CKT H	CKT I	CKT D	CKT E	CKT J	CKT K	CKT L	CKT F	CKT G	CKT M	CKT N
TOTAL NO. OF DAY LUMINAIRES (400W)	35	21	21	34	20	0	36	21	0	35	29	21	28	20
TOTAL LOAD OF DAY LUMINAIRES (KILOWATTS)	16.0	9.6	9.6	15.5	9.1	0.0	16.4	9.6	0.0	16.0	13.2	9.6	12.8	9.1
TOTAL NO. OF NIGHT LUMINAIRES (100W)	0	0	0	0	0	7	0	0	7	0	0	0	0	0
TOTAL LOAD OF NIGHT LUMINAIRES (KILOWATTS)	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
TOTAL NO. OF "ON" LUMINAIRES DURING LIGHT LEVEL # 1 (AMBIENT LIGHT > 3000FC)	35	21	21	34	20	0	36	21	0	35	29	21	28	20
TOTAL NO. OF "ON" LUMINAIRES DURING LIGHT LEVEL # 2 (AMBIENT LIGHT> 1000FC)	0	21	21	0	20	0	0	21	0	0	29	21	28	20
TOTAL NO. OF "ON" LUMINAIRES DURING LIGHT LEVEL # 3 (AMBIENT LIGHT >100FC)	0	0	21	0	0	7	0	21	7	0	0	21	0	20
TOTAL NO. OF "ON" LUMINAIRES DURING LIGHT LEVEL # 4 (AMBIENT LIGHT < 100FC)	0	0	0	0	0	7	0	0	7	0	0	0	0	0

LIGHTING CRITERIA							
ILLUMINANCE			LUMINANCE				STIV
AVERAGE ILLUMINANCE (FC)	UNIFORMITY (AVE. TO MIN)	UNIFORMITY (MAX. TO MIN)	AVERAGE LUMINANCE (CD/SQ.M)	UNIFORMITY (AVE. TO MIN)	UNIFORMITY (MAX. TO MIN)	MAXIMUM LV TO LAVG RATIO	
195	1.09	1.24	201	1.09	1.21	0.06	5.67
98	1.09	1.24	101	1.09	1.21	0.06	5.43
43	1.10	1.31	50	1.09	1.24	0.06	5.07
4.54	1.75	3.42	2.6	1.3	2.2	0.2	8.59

FOR INFORMATION ONLY

LIGHTING SHEET 42 OF 81

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F-6 TUNNEL LIGHTING
PANEL BOARD DETAIL

DRAWN BY GHT
CHECKED BY MKR
DATE: 12/23/03

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

LM-02
NOT TO SCALE

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALE$	CHECKED - _____	REVISED - _____
PLOT DATE = $DATE$	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

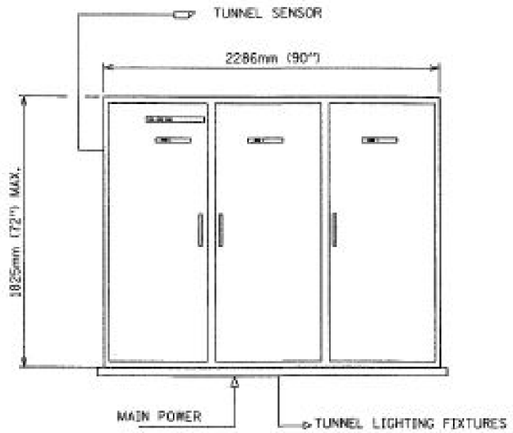
EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

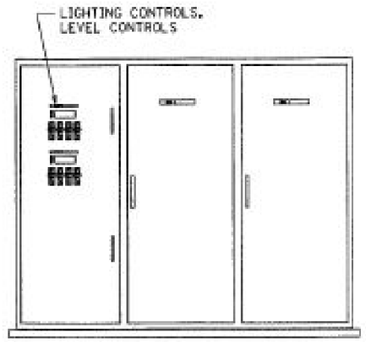
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	181
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	T2(T,8,9,9-1)R-2	PEORIA	2715	2510
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

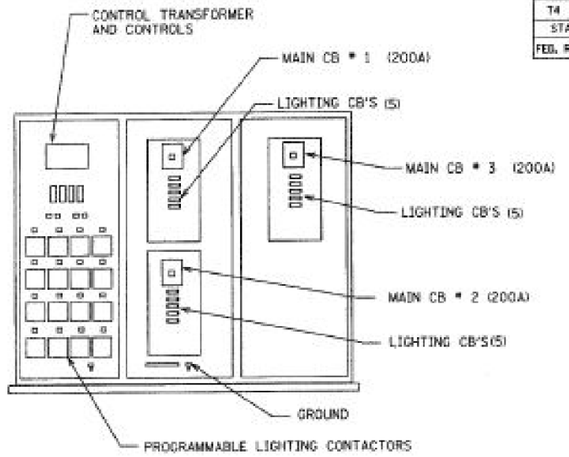
68198



EXTERIOR DOORS

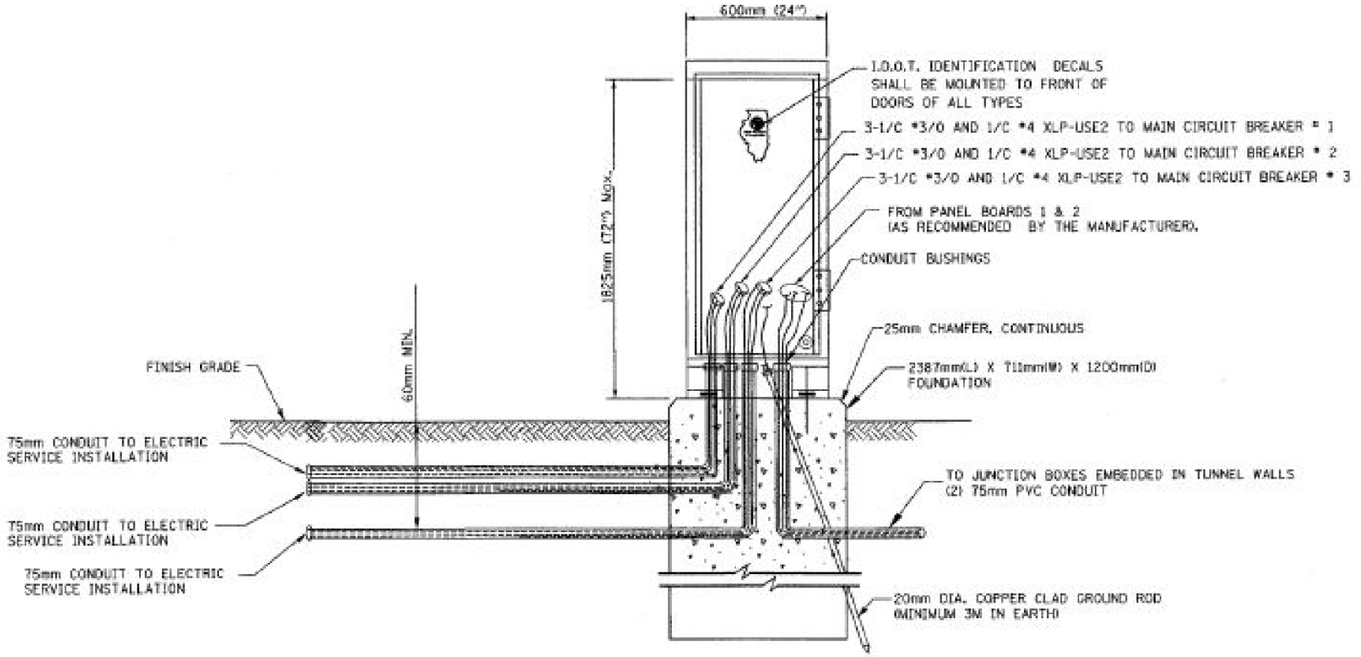


EXTERIOR DOOR REMOVED FROM SECTION TO SHOW INTERIOR DOOR



SECTION 1, 2 & 3 DOORS REMOVED WITH SECTION 1 INTERIOR DOOR REMOVED

FRONT VIEW



SIDE VIEW

TUNNEL LIGHTING CONTROLLER CABINET AND FOUNDATION DETAIL

(NOT TO SCALE)

NOTES:

1. TUNNEL LIGHTING CONTROLLER SCHEMATIC AND WIRING DETAIL AS PROVIDED BY THE MANUFACTURER.

FOR INFORMATION ONLY

LIGHTING SHEET 43 OF 81

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TUNNEL CONTROLLER DETAILS

DRAWN BY DJK

DATE: 12/23/03 CHECKED BY MKR

LM-02
NOT TO SCALE

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

MODEL: $MODELNAMES
FILE NAME: $FILES

USER NAME = $USERS	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = $SCALES	CHECKED - _____	REVISED - _____
PLOT DATE = $DATES	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
I-74 WB RAMP F-6 TUNNEL

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	PEORIA-TAZEWELL	329	182
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

Bench Mark: Chiseled square on northwest corner of southwest wingwall at South Abutment. Elev. 473.12

Existing Structure: The Murray Baker Bridge, S.N. 090-0001, was constructed in 1958 (F.A.I. Route 5, F.A. Route 9, Section 10D-E-F-P) and the north approach was reconstructed in 2005 (F.A.I. Route 74, Section 90-10D-1-BRY). The 13-span structure consists of a three-span continuous multi-girder unit on the north approach, a five-span cantilevered through truss, and a four-span continuous multi-girder unit and one simply supported multi-girder span on the south approach. The total structure length is approximately 3,245' back-to-back of abutments and has a typical width of 60'-7½" out-to-out of deck. The maximum out-to-out width of the flared deck section at the north abutment is approximately 136'-5". The structure carries two eastbound and two westbound lanes separated by a concrete median barrier. The minimum clear width between the median barrier and parapet for eastbound and westbound lanes is 27'-7¼".

The substructure units consist of concrete abutments and piers. The abutments and piers within the north and south approaches are supported on steel piles and the piers within the channel are supported on spread footings keyed into bedrock.

Traffic: Bridge to be closed to traffic during construction.

Salvage: No salvage.

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)						Item 113
	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	Pier 8	
Q100	450.8	447.2	393.9	396.4	410.2	422.5	
Q200	449.6	445.9	392.7	395.2	409.1	421.3	5
Design	448.1	409.2	402.3	402.3	397.5	398.7	

DRAINAGE SCUPPER STATIONS - WESTBOUND AND EASTBOUND

141+05.00	143+85.00	148+35.00	151+05.00	153+95.00	158+75.00	164+70.00
141+17.00	144+30.00	148+65.00	151+25.00	154+25.00	159+20.00	165+30.00
141+30.00	144+75.00	148+95.00	151+49.00	154+55.00	159+65.00	165+90.00
141+45.00	145+20.00	149+25.00	151+73.00	154+85.00	160+10.00	166+30.00
141+55.00	145+65.00	149+45.00	151+95.00	155+30.00	160+55.00	166+70.00
141+75.00	145+95.00	149+68.00	152+15.00	155+75.00	161+00.00	167+10.00
141+95.00	146+25.00	149+91.00	152+39.00	156+20.00	161+45.00	167+36.00
142+15.00	146+55.00	150+15.00	152+63.00	156+65.00	161+85.00	167+51.00
142+40.00	147+00.00	*150+30.00	152+85.00	157+10.00	162+25.00	167+66.00
142+65.00	147+45.00	*150+45.00	153+05.00	157+55.00	162+87.00	167+76.00
143+04.00	147+87.00	150+60.00	153+28.00	157+95.00	163+49.00	167+86.00
143+45.00	148+12.00	150+82.00	153+52.00	158+36.00	164+10.00	-

* 6" ○ floor drain

Drainage scuppers will not be permitted to free fall from Station 141+05.00 to Station 143+85.00. A drainage system will be utilized within these limits.

LOADING HS20-44 AND ALTERNATE MILITARY LOADING

No future wearing surface allowed.

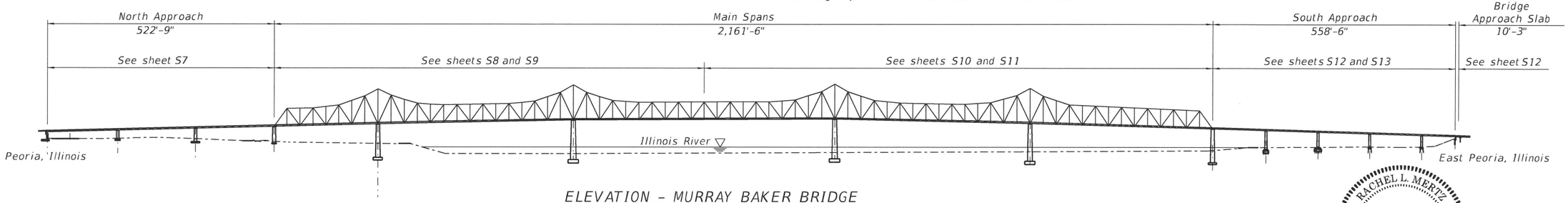
DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
fy = 36,000 psi (M270 Grade 36)



ELEVATION - MURRAY BAKER BRIDGE

Looking East

DESIGN STRESSES (ORIGINAL CONSTRUCTION)

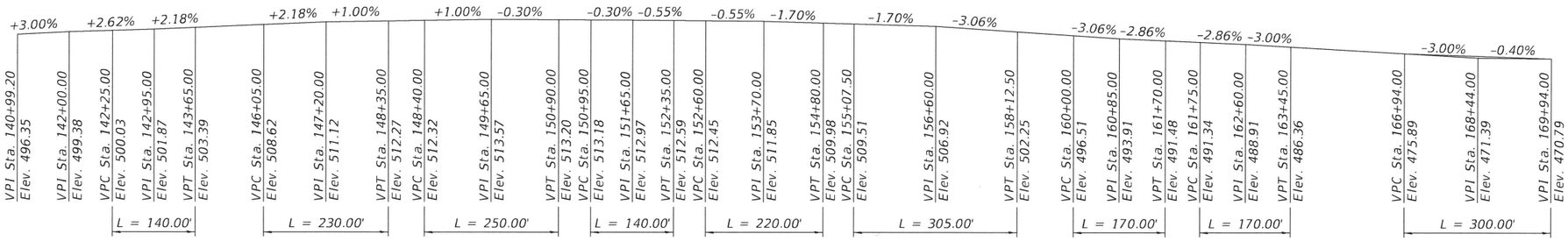
Loading:	HS20-44
Reinforced Concrete:	fc = 800 psi, N=10 (Substructure)
	fs = 20,000 psi (Reinforcement)
Structural Steel:	fy = 33,000 psi (Carbon)
	fy = 50,000 psi (Low Alloy)

DESIGN STRESSES (1984 REHABILITATION)

Design Specifications:	1977 AASHTO Standard Specifications for Highway Bridges with 1978 through 1982 Interims
Loading:	HS20-44
Reinforced Concrete:	f'c = 3,500 psi
	fy = 60,000 psi (Reinforcement)
Structural Steel:	fy = 36,000 psi

DESIGN STRESSES (2005 RECONSTRUCTION)

Design Specifications:	1996 AASHTO Standard Specifications for Highway Bridges with 1997 through 2000 Interims
	2003 AASHTO Guide Specifications for Horizontally Curved Highway Bridges
Loading:	HS20-44 and Alternate Military Loading
Reinforced Concrete:	f'c = 3,500 psi
	fy = 60,000 psi (Reinforcement)
Structural Steel:	fy = 50,000 psi (M270 Grade 50)
	fy = 36,000 psi (M270 Grade 36)
Seismic Data:	Seismic Performance Zone (SPC) = A
	Bedrock Acceleration Coefficient (A) = 0.04g
	Site Coefficient (S) = 1.0



PROPOSED PROFILE GRADE

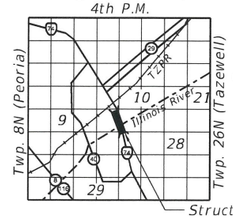
Along Westbound ℄ and Eastbound ℄

The profile grade shows the final elevations after grinding.
Up to ¼ inch may be ground off the bridge deck and the bridge approach slab.

RACHEL L. MERTZ
081-006526
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

RACHEL L. MERTZ, P.E., S.E.
DATE SIGNED 8/15/2019
LICENSE EXP DATE 11/30/2020

Range 8E (Peoria), 4th P.M.



LOCATION SKETCH

GENERAL PLAN
MURRAY BAKER BRIDGE
OVER ILLINOIS RIVER (PUBLIC WATER)
F.A.I. ROUTE 74 - SEC. 90(10D-1)BRR
PEORIA AND TAZEWELL COUNTIES
STATION 151+76.00
STRUCTURE NO. 090-0001

*PEORIA/TAZEWELL

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - CSG	REVISED -
	CHECKED - RLM	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE = 8/15/2019	CHECKED - CSG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S1 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	183
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\IN 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-001-GeneralPlan.dgn
8/15/2019 3:28:35 PM

INDEX OF SHEETS

INDEX OF SHEETS (CONT.)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq Yd	–	139	139
Stone Dumped Riprap, Class A1	Ton	–	174.6	174.6
Stone Dumped Riprap, Class A6	Ton	–	2,053.0	2,053.0
Filter Fabric	Sq Yd	–	134	134
Removal of Existing Concrete Deck	Each	1	–	1
Protective Shield	Sq Yd	5,401	–	5,401
Floor Drains	Each	4	–	4
Concrete Structures	Cu Yd	–	4.3	4.3
Concrete Superstructure	Cu Yd	5,384.3	–	5,384.3
Protective Coat	Sq Yd	22,115	–	22,115
Concrete Superstructure (Approach Slab)	Cu Yd	32.4	–	32.4
Furnishing and Erecting Structural Steel	Pound	11,360	–	11,360
Stud Shear Connectors	Each	113,459	–	113,459
Reinforcement Bars, Epoxy Coated	Pound	1,435,350	420	1,435,770
Name Plates	Each	1	–	1
Preformed Joint Strip Seal	Foot	1,249	–	1,249
Finger Plate Expansion Joint, 5"	Foot	58	–	58
Neoprene Expansion Joint, 6 1/2"	Foot	119	–	119
Fabric Reinforced Elastomeric Trough	Foot	60	–	60
Anchor Bolts, 2"	Each	8	–	8
Concrete Sealer	Sq Ft	–	5,841	5,841
Epoxy Crack Injection	Foot	–	29	29
Concrete Pad	Sq Yd	–	8.4	8.4
Bolt Replacement	Each	211	–	211
High Load Multi-Rotational Bearings, Guided Expansion, 1500k	Each	2	–	2
Access Ladder	Each	8	–	8
Clean Trough	Each	1	–	1
Filter Mattress	Sq Yd	–	1,699.0	1,699.0
Bridge Deck Grooving (Longitudinal)	Sq Yd	14,454	–	14,454
Bridge Deck Concrete Sealer	Sq Ft	54,276	–	54,276
Jack and Remove Existing Bearings	Each	2	–	2
Structural Steel Removal	Pound	22,050	–	22,050
Structural Steel Repair	Pound	56,040	–	56,040
Bridge Drainage System Repair	Each	5	–	5
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L Sum	1	–	1
Cleaning and Painting Steel Bridge No. 1	L Sum	1	–	1
Cleaning Drainage System	L Sum	1	–	1
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft	60	–	60
Drainage Scuppers, DS-11	Each	162	–	162
Drainage System	L Sum	1	–	1
Diamond Grinding (Bridge Section)	Sq Yd	14,893	–	14,893
Temporary Shoring and Cribbing	L Sum	1	–	1

STATION 151+76.00
RE-BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RTE. 74 SEC. 90(10D-1)BRR
LOADING HS20-44
STRUCTURE NO. 090-0001

NAME PLATE

See Std. 515001

Locate new name plate next to existing name plates as directed by the Engineer.

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\090000\1-68C89-002-Index09Sts.dgn

9/13/2019 2:20:55 PM

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - CSG	REVISED -
	CHECKED - RLM	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE = 9/13/2019	CHECKED - CSG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S2 OF S145 SHEETS

*PEORIA/TAZEWELL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	184
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ∅, holes $\frac{15}{16}$ in. ∅, unless otherwise noted.

All new structural steel shall be AASHTO M270 Grade 50, unless noted otherwise.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding $\frac{1}{4}$ inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall field verify all proposed plate and angle dimensions and spacing of holes prior to ordering steel.

Gaps between the existing steel and the new steel angles and/or cover plates, as well as abandoned holes to be covered by new steel plates and/or angles, shall be sealed with an approved polyurethane sealant. The sealant shall be compatible with the proposed paint system and shall be submitted to the Engineer for approval prior to use. After the sealant has cured in accordance with the manufacturer's written product data sheet, a stripe finish coat shall be applied over the sealant. All costs associated with the installation of the sealant at steel repair locations shall be included with the cost for Structural Steel Repair.

The Contractor shall perform the work with care, so that any materials which are to remain in place shall not be damaged. If the Contractor damages any materials which are to remain in place, the damaged materials shall be replaced or repaired in a manner satisfactory to the Engineer at the expense of the Contractor.

Concrete Sealer shall be applied to the designated areas of the North Abutment and select piers.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.

PAINTING NOTES

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project as specified in the special provision for Containment and Disposal of Lead Paint Cleaning Residues.

The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See Special Provisions.

A minimum of 4 air monitors will be required to monitor abrasive blasting operations at this site. See special provision for Containment and Disposal of Lead Paint Cleaning Residues.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for Cleaning and Painting Existing Steel Structures. For defined limits of the required painting and location specific cleaning and painting requirements, see sheets S131 thru S137. The Color of the final finish coat for all steel surfaces shall be Warm Gray, Munsell No. 2.5Y 5/1.

Cleaning and painting of existing structural steel in the areas of structural repairs or new structural installations shall be as specified in the special provision for Cleaning and Painting Contact Surface Areas of Existing Steel Structures.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surfaces, masked off connection surfaces, field installed fasteners and damaged areas, all of which shall be touched up in the field. The color of the final finish coat for all steel surfaces shall be Warm Gray, Munsell No. 2.5Y 5/1. See special provision for Cleaning and Painting New Metal Structures.

SSPC-QP1 and SSPC-QP2 contractor certifications are required for this contract.

Existing caulking within the limits for cleaning and painting shall be removed, and new joint sealant shall be installed. Also, within the limits for cleaning and painting, joint sealant shall be installed around existing connection plates and at areas of pack rust between built-up plate members. The sealant shall be an approved polyurethane sealant, compatible with the proposed paint system, and shall be submitted to the Engineer for approval prior to use. For cleaning and painting requirements specific to the locations where joint sealant will be installed, see sheets S131 thru S137. All costs associated with the installation of sealant within the limits of cleaning and painting (excluding work required to install sealant around steel repairs within these limits) shall be included in the cost of Cleaning and Painting Steel Bridge No. 1.

CONSTRUCTION REQUIREMENTS

The Contractor shall sequence construction in order to complete work in accordance with the required completion date. See the Special Provision for working restrictions.

The Contractor is required to provide Structural Assessment Reports for the proposed work. See Special Provision.

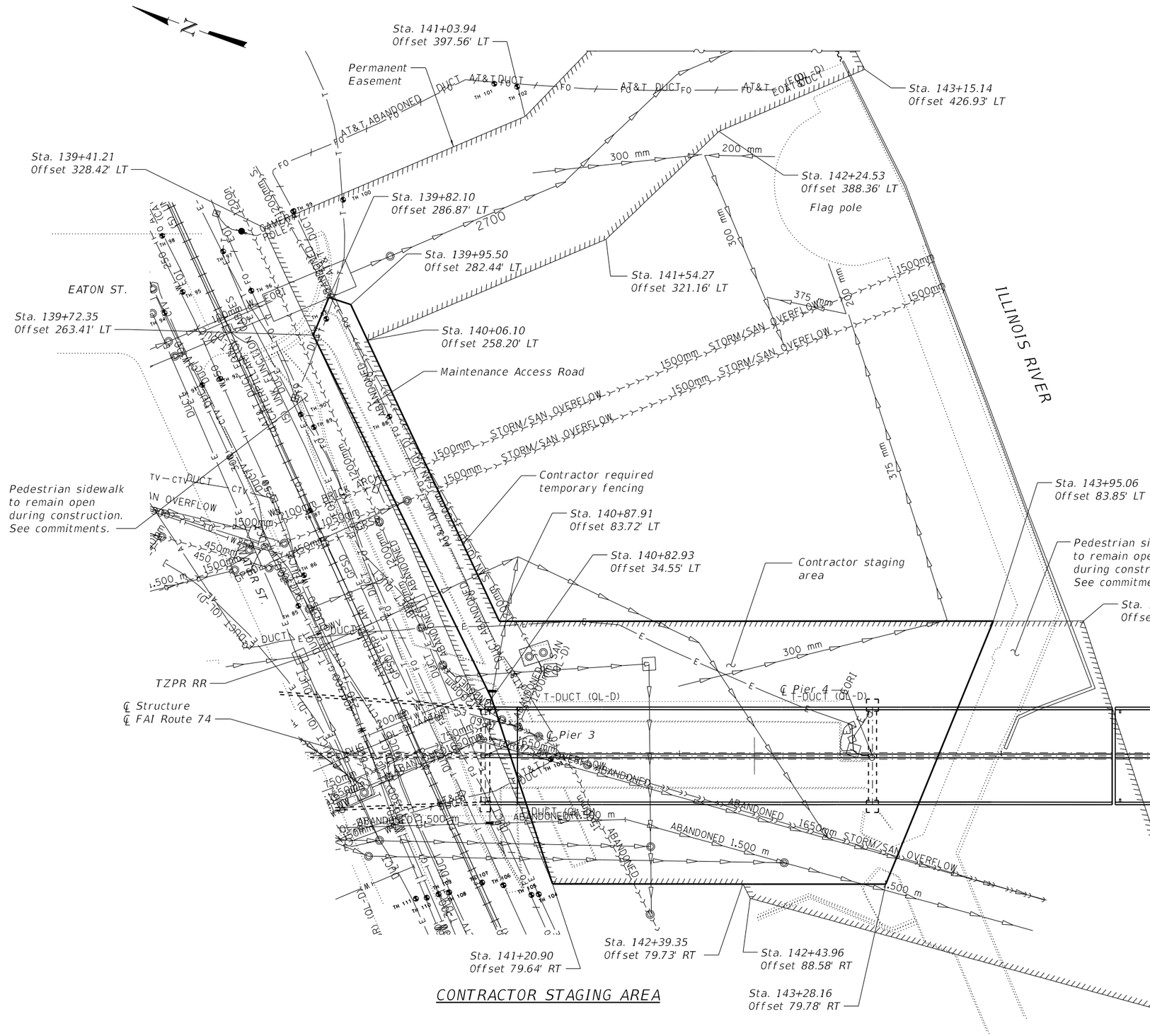
See sheets S42 and S92 for the construction loads and restrictions used for the design of the truss deck removal and replacement sequence, and the structural steel repairs and construction procedures.

The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Structures – Major River Bridges, for preparation of the Structural Assessment reports. Contractor's pre-approval shall not be applicable for this project. See Special Provision.

Current Ratings on File for Existing Structure
Inventory: HS 17.8
Operating: HS 25.0
Live Load Restrictions: None

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily equipment.

The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.



CONTRACTOR STAGING AREA

STAGING AREA REQUIREMENTS

IDOT has pre-approved the staging area shown for use by the Contractor during construction.

Temporary fencing shall be installed before any overhead work begins, but no later than May 1, 2020, and remain in place until its removal is approved by the Engineer.

Temporary fencing shall be 6' tall chain link fence. The cost of all work required to furnish, install and remove temporary fencing shall be included in the contract unit price for Mobilization and will not be measured separately for payment.

IDOT has temporary fencing in place beneath the bridge. The Contractor shall coordinate with IDOT District 4 Bridge Maintenance Engineer, Mark Eckhoff (309-671-4463), to get IDOT's temporary fencing under the bridge removed from the site.

No overhead work shall occur over the railroad property north of Pier 3 of the Murray Baker Bridge.

The Contractor will allow the Peoria Park District as needed access to utility boxes within the staging area. See commitments for more information.

The Contractor will also allow utility companies as needed access to the staging area to maintain their facilities.

The Contractor is responsible for restoring the staging area to its original condition, including existing turf and paved areas beneath the structure within these limits, in accordance with Articles 104.06 and 107.20 of the Standard Specifications.

Note:
Station offsets shown from the I-74 E.B. baseline.

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\IN 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-004-ContrStArea.dgn

8/16/2019 1:40:35 PM

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - RLM	REVISED -
	CHECKED - CSG	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE = 8/16/2019	CHECKED - RLM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACTOR STAGING AREA
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S4 OF S145 SHEETS

*PEORIA/TAZEWELL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	186
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			

Repair I.D. No.	10/28/2018 NBIS Inspection Deficiency Item No.	Location	Sheet No. of S143
2	390	Pier 3	S141
2	*	Pier 5	S140
2	*	Pier 6	S140
2	*	Pier 7	S140
2	414	Pier 8	S141
2	434	South Abut., East end	S141
3	81	Pier 3 Finger Joint Trough	S128
4	94	Span 4, U11W-L11W at L11W	S96
4	97	Span 4, U13E-L13E at L13E	S97
4	438	Span 5, U15E-L15E at L15E	S97
4	100	Span 5, U15W-L15W at L15W	S97
4	368	Span 5, U17E-L17E at L17E	S96
4	224	Span 5, U17W-L17W at L17W	S96
4	253	Span 7, U61W-L61W at L61W	S96
4	174	Span 7, U63E-L63E at L63E	S97
4	331	Span 8, U65E-L65E at L65E	S97
4	178	Span 8, U65W-L65W at L65W	S97
4	182	Span 8, U69W-L69W at L69W	S96
4	185	Span 8, U71W-L71W at L71W	S96
4	383	Span 8, U73W-L73W at L73W	S96
4	191	Span 8, U75E-L75E at L75E	S96
4	191	Span 8, U75E-L75E at Sway Brace	S98
5	448	Span 6, U34W-U35W, 4' from U34W	S131
5	455	Span 6, U43W-U44W, 5' from U44W	S131
6	113	Span 5, L22E, Outside Gusset Plate	S99
6	118	Span 5, L23E, Inside Gusset Plate	S100
6	119	Span 5, L23E, Outside Gusset Plate	S100
6	296	Span 8, L68E, Inside Gusset Plate	S102
8	96	Span 4, Portal Bracing Strut at U13W	S104
8	219	Span 4, Portal Bracing Strut at U13E	S104
8	99	Span 5, Portal Bracing Strut at U15E	S104
8	99	Span 5, Portal Bracing Strut, U15E-U15W at Midpoint	S104
8	99	Span 5, Portal Bracing Strut at U15W	S104
8	129	Span 5, Portal Bracing Strut, U28E-U28W at Midpoint	S104
8	130	Span 5, Portal Bracing Strut at U28E	S104
8	130	Span 5, Portal Bracing Strut at U28W	S104
8	133	Span 6, Portal Bracing Strut at U30W	S104
8	255	Span 7, Portal Bracing Strut at U63E	S104
8	255	Span 7, Portal Bracing Strut at U63W	S104
9	221	Span 4, Upper Lateral Brace at U13E	S105
9	112	Span 5, Upper Lateral Brace at U21E	S105
9	226	Span 5, Upper Lateral Brace at U22E	S105
9	227	Span 5, Upper Lateral Brace at U22W	S105
9	128	Span 5, Upper Lateral Brace at U28E	S105
10	307	Span 5, Sway Frame Strut at U26E	S106
10	324	Span 7, Sway Frame Strut at U52W	S106
11	230	Span 5, Sway Frame Lower Strut at U26W-L26W	S107
11	242	Span 6, Sway Frame Lower Strut at U41E-L41E	S107
11	402	Span 6, Sway Frame Lower Strut at U46W-L46W	S107
12	316	Span 6, U34E-U35E, 5' from U34E	S107
13	105	Span 5, U19E-U20E at U19E	S103
13	106	Span 5, U19W-U20W at U19W	S103
13	315	Span 6, U34E-U35E at U34E	S103
13	137	Span 6, U34W-U35W at U34W	S103
13	320	Span 6, U43E-U44E at U44E	S103
13	153	Span 6, U43W-U44W at U44W	S103
13	251	Span 7, U58E-U59E at U59E	S103
13	168	Span 7, U58W-U59W at U59W	S103
14	303	Span 4, U13W, Inside Gusset Plate	S128
14	308	Span 6, U30E, Inside Gusset Plate	S128
14	399	Span 6, L33W-L34W, 6' from L34W	S128
14	318	Span 6, U37E, Inside Gusset Plate	S128
14	322	Span 6, U47E-U48E, 8' from U47E	S128
14	280	Span 7, U51W, Inside Gusset Plate	S128
14	325	Span 7, U52E-U53E at U53E	S128
14	39	Span 7, FB. 53 at Str. 10, Panel 53	S128
14	163	Span 7, U54E-L55E, 10' above deck	S128
14	330	Span 7, U63E-L64E at Portal Bracing Connection	S128
14	332	Span 8, U65W, Inside Gusset Plate	S128
14	333	Span 8, U65E, Inside Gusset Plate	S128
14	187	Span 8, L72E-U72E at U72E	S128
14	336	Span 8, L77W-L78W at L78W	S128
14	415	Span 9, Gir. 7 at 3rd C.F. from Pier 8	S128
14	415	Span 9, Gir. 7 btwn 3rd and 4th C.F. from Pier 8	S128
14	260	Span 9, Gir. 8 btwn 2nd and 3rd C.F. from Pier 8	S128
14	260	Span 9, Gir. 8, 8' from 3rd C.F. from Pier 8	S128
15	83	Span 4, L6W-L7W at L6W	S128
15	426	Spans 5/6, L29W, Inside Gusset Plate	S128
15	313	Span 6, U32E, Inside and Outside Gusset Plates	S128
15	295	Span 8, L66W-L67W, 3' from L67W	S128
15	259	Span 8, L74E-U75E at L74E	S128
16	342	Span 4, Lower Lateral at L9E	S121
16	264	Span 4, Lower Lateral at L10E	S121
16	306	Span 5, Lower Lateral at L18W	S122
16	109	Span 5, Lower Lateral at L20E	S121
16	120	Span 5, Lower Lateral at L23E	S121
16	373	Span 6, Lower Lateral at L34W	S121
16	451	Span 6, Lower Lateral at L37E	S121
16	458	Span 7, Lower Lateral at L51W	S123
16	284	Span 7, Lower Lateral at L53W	S121
16	326	Span 7, Lower Lateral at L54W	S121
16	406	Span 7, Lower Lateral at L56W	S121
16	287	Span 7, Lower Lateral at L57W	S121
16	183	Span 8, Lower Lateral at L70E	S124
16	410	Span 8, Lower Lateral at L70W	S121
16	298	Span 8, Lower Lateral at L72W	S121
17	367	Span 5, FB. 15, East End	S108
18	7	Span 5, Str. 12 at FB. 19, Panel 19	S109
18	20	Span 6, Str. 5 at FB. 34, Panel 34	S109
18	21	Span 6, Str. 7 at FB. 34, Panel 34	S109
18	22	Span 6, Str. 8 at FB. 34, Panel 34	S109
18	23	Span 6, Str. 9 at FB. 34, Panel 34	S109
18	314	Span 6, Str. 11 at FB. 34, Panel 34	S109
18	24	Span 6, Str. 12 at FB. 34, Panel 34	S109
18	26	Span 6, Str. 1 at FB. 44, Panel 45	S109
18	27	Span 6, Str. 2 at FB. 44, Panel 45	S109
18	28	Span 6, Str. 3 at FB. 44, Panel 45	S109
18	29	Span 6, Str. 4 at FB. 44, Panel 45	S109
18	30	Span 6, Str. 5 at FB. 44, Panel 45	S109
18	31	Span 6, Str. 7 at FB. 44, Panel 45	S109
18	32	Span 6, Str. 8 at FB. 44, Panel 45	S109
18	155	Span 6, Str. 9 at FB. 44, Panel 45	S109
18	33	Span 6, Str. 10 at FB. 44, Panel 45	S109
18	34	Span 6, Str. 11 at FB. 44, Panel 45	S109
18	45	Span 7, Str. 1 at FB. 59, Panel 60	S109
18	46	Span 7, Str. 2 at FB. 59, Panel 60	S109
18	47	Span 7, Str. 3 at FB. 59, Panel 60	S109
18	48	Span 7, Str. 4 at FB. 59, Panel 60	S109
18	49	Span 7, Str. 6 at FB. 59, Panel 60	S109
18	50	Span 7, Str. 7 at FB. 59, Panel 60	S109
18	167	Span 7, Str. 9 at FB. 59, Panel 60	S109
18	51	Span 7, Str. 11 at FB. 59, Panel 60	S109
18	52	Span 7, Str. 12 at FB. 59, Panel 60	S109
19	88	Span 4, Str. 4 at FB. 9, Panel 10	S116
19	89	Span 4, Str. 9 at FB. 9, Panel 10	S115
19	369	Span 5, Str. 7 at FB. 19, Panel 19	S118
19	117	Span 5, Str. 7 at FB. 22, Panel 23	S117
19	122	Span 5, Str. 6 at FB. 25, Panel 26	S117
19	371	Span 6, Str. 6 at FB. 31, Panel 31	S117
19	144	Span 6, Str. 9 at FB. 37, Panel 38	S116
19	272	Span 6, Str. 5 at FB. 41, Panel 41	S115
19	354	Span 6, Str. 7 at FB. 41, Panel 41	S117
19	148	Span 6, Str. 9 at FB. 41, Panel 41	S116
19	149	Span 6, Str. 10 at FB. 41, Panel 41	S116
19	273	Span 6, Str. 7, Midpanel of Panel 42	S112
19	275	Span 6, Str. 7 at FB. 44, Panel 45	S118
19	456	Span 6, Str. 6 at FB. 47, Panel 48	S117
19	277	Span 6, Str. 7 at FB. 47, Panel 48	S117
19	459	Span 7, Str. 1 at FB. 59, Panel 60	S118
19	408	Span 7, Str. 12 at FB. 59, Panel 60	S118
19	173	Span 7, Str. 6 at FB. 62, Panel 63	S117
19	462	Span 8, Str. 6 at FB. 66, Panel 66	S117
19	294	Span 8, Str. 7 at FB. 66, Panel 66	S117
19	297	Span 8, Str. 3 at FB. 69, Panel 69	S116
19	188	Span 8, Str. 3 at FB. 72, Panel 72	S116
19	190	Span 8, Str. 3 at FB. 75, Panel 75	S116
20	369	Span 5, Str. 7 at FB. 19, Panel 19	S118
20	267	Span 5, Str. 7, 11' from FB. 21, Panel 21	S110
20	117	Span 5, Str. 7 at FB. 22, Panel 23	S117
20	427	Span 6, Str. 6, 6' from FB. 30, Panel 31	S110
20	345	Span 6, Str. 8 at Strut, Panel 34	S114
20	144	Span 6, Str. 9 at FB. 37, Panel 38	S116
20	354	Span 6, Str. 7 at FB. 41, Panel 41	S117
20	149	Span 6, Str. 10 at FB. 41, Panel 41	S116
20	273	Span 6, Str. 7, Midpanel of Panel 42	S112
20	275	Span 6, Str. 7 at FB. 44, Panel 45	S118
20	157	Span 6, Str. 6, Midpanel of Panel 47	S110
20	456	Span 6, Str. 6 at FB. 47, Panel 48	S117
20	277	Span 6, Str. 7 at FB. 47, Panel 48	S117
20	289	Span 7, Str. 7 at FB. 59, Panel 60	S111
20	291	Span 7, Str. 9 at Strut, Panel 60	S114
20	292	Span 7, Str. 10 at Strut, Panel 60	S114
20	462	Span 8, Str. 6 at FB. 66, Panel 66	S117
20	294	Span 8, Str. 7 at FB. 66, Panel 66	S117
20	179	Span 8, Str. 7, Full Length of Panel 67	S113
20	181	Span 8, Str. 7, Midpanel of Panel 68	S110
20	297	Span 8, Str. 3 at FB. 69, Panel 69	S116
20	186	Span 8, Str. 7 at FB. 72, Panel 72	S117
20	186	Span 8, Str. 7, Midpanel of Panel 72	S111
20	188	Span 8, Str. 3 at FB. 72, Panel 72	S116
20	190	Span 8, Str. 3 at FB. 75, Panel 75	S116
21	439	Span 5, Str. 3 at FB. 16, Panel 16	S120
21	440	Span 5, Str. 5 at FB. 25, Panel 26	S120
21	122	Span 5, Str. 6 at FB. 25, Panel 26	S120
21	441	Span 5, Str. 8 at FB. 25, Panel 26	S120
21	442	Span 5, Str. 9 at FB. 25, Panel 26	S120
21	16	Span 5, Str. 10 at FB. 25, Panel 26	S120
21	443	Span 5, Str. 11 at FB. 25, Panel 26	S120
21	69	Span 5, Str. 12 at FB. 25, Panel 26	S120
21	444	Span 5, Str. 7 at FB. 28, Panel 29	S120
21	445	Span 5, Str. 9 at FB. 28, Panel 29	S120
21	310	Span 6, Str. 2 at FB. 31, Panel 31	S120
21	311	Span 6, Str. 3 at FB. 31, Panel 31	S120
21	446	Span 6, Str. 10 at FB. 31, Panel 31	S120
21	449	Span 6, Str. 8 at FB. 37, Panel 38	S120
21	144	Span 6, Str. 9 at FB. 37, Panel 38	S120
21	450	Span 6, Str. 11 at FB. 37, Panel 38	S120
21	453	Span 6, Str. 8 at FB. 41, Panel 41	S120
21	148	Span 6, Str. 9 at FB. 41, Panel 41	S120
21	149	Span 6, Str. 10 at FB. 41, Panel 41	S120
21	188	Span 8, Str. 3 at FB. 72, Panel 72	S120
21	299	Span 8, Str. 5 at FB. 75, Panel 75	S120
22	384	Span 8, Str. 3 at FB. 75, Panel 76	S114
23	419	Pier 12 at Gir. 2	S141
23	420	Pier 12 at Gir. 7	S141
24	350	Span 9, 1st C.F. at Pier 8 btwn Gir. 5 and 6	S127
25	58	Span 9, 1st C.F. at Pier 8 btwn Gir. 7 and 8	S127
26	464	Span 9, 4th C.F. from Pier 8, East side of Gir. 2	S126
26	465	Span 9, 4th C.F. from Pier 8, East side of Gir. 3	S126
26	196	Span 9, 4th C.F. from Pier 8, West side of Gir. 6	S126
26	197	Span 9, 4th C.F. from Pier 8, East side of Gir. 7	S126
26	338	Span 9, 5th C.F. from Pier 8, East side of Gir. 7	S126
26	198	Span 9, 5th C.F. from Pier 8, West side of Gir. 7	S126
26	339	Span 9, 6th C.F. from Pier 8, East side of Gir. 7	S126
26	202	Span 10, 3rd C.F. from Pier 9, East side of Gir. 7	S126
26	204	Span 10, 4th C.F. from Pier 9, East side of Gir. 7	S126
26	205	Span 10, 5th C.F. from Pier 9, East side of Gir. 6	S126
26	466	Span 10, 5th C.F. from Pier 9, East side of Gir. 7	S126
26	206	Span 11, 3rd C.F. from Pier 10, West side of Gir. 2	S126
26	207	Span 11, 4th C.F. from Pier 10, East side of Gir. 2	S126
26	208	Span 11, 4th C.F. from Pier 10, West side of Gir. 3	S126
26	468	Span 12, 3rd C.F. from Pier 11, West side of Gir. 3	S126
26	467	Span 12, 3rd C.F. from Pier 11, West side of Gir. 6	S126
26	469	Span 12, 4th C.F. from Pier 11, East side of Gir. 2	S126
26	470	Span 12, 4th C.F. from Pier 11, West side of Gir. 2	S126
26	210	Span 12, 4th C.F. from Pier 11, West side of Gir. 3	S126
26	471	Span 12, 4th C.F. from Pier 11, East side of Gir. 6	S126
26	472	Span 12, 4th C.F. from Pier 11, West side of Gir. 7	S126
26	473	Span 12, 5th C.F. from Pier 11, East side of Gir. 2	S126
26	474	Span 12, 5th C.F. from Pier 11, West side of Gir. 2	S126
26	475	Span 12, 5th C.F. from Pier 11, East side of Gir. 3	S126
26	476	Span 12, 5th C.F. from Pier 11, East side of Gir. 7	S126
26	477	Span 12, 5th C.F. from Pier 11, West side of Gir. 7	S126
26	478	Span 12, 6th C.F. from Pier 11, East side of Gir. 2	S126
26	479	Span 12, 6th C.F. from Pier 11, West side of Gir. 2	S126

*Deficiency noted in "93B2 - Underwater Inspection Remarks" of the NBIS Underwater Inspection Report

Note:
See Sheets S7 thru S13 for repair identification numbers.

*PEORIA/TAZEWELL

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - RLM	REVISED -
	CHECKED - CSG	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

2018 NBIS REFERENCE TABLES - 1
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET S5 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	187
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: I:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\090001-68C89-005-NBIS1.dgn

8/9/2019 11:28:50 AM

Repair I.D. No.	10/28/2018 NBIS Inspection Deficiency Item No.	Location	Sheet No. of S143
26	480	Span 12, 6th C.F. from Pier 11, East side of Gir. 7	S126
26	214	Span 13, 2nd C.F. from Pier 12, West side of Gir. 2	S126
26	215	Span 13, 2nd C.F. from Pier 12, East side of Gir. 3	S126
26	216	Span 13, 2nd C.F. from Pier 12, East side of Gir. 7	S126
26	262	Span 13, 3rd C.F. from Pier 12, East side of Gir. 3	S126
26	481	Span 13, 3rd C.F. from Pier 12, East side of Gir. 7	S126
27	261	Spans 11/12, Gir. 1 at Pier 11	S125
27	389	Spans 11/12, Gir. 8 at Pier 11	S125
27	418	Span 12, Gir. 5 at Pier 12	S125
28	421	Span 13, Gir. 3 at 3rd Stiffener from Pier 12	S128
30	193**	Span 8, East Bearing at Pier 8	S138 and S139
30	413**	Span 8, West Bearing at Pier 8	S138 and S139
31	63	Span 13, Embankment Slope	S143
Expansion Joints	104**	Span 5, PP19	S82 and S83
Expansion Joints	447**	Span 6, PP34	S81
Expansion Joints	154**	Span 6, PP44	S81
Expansion Joints	328**	Span 7, PP59	S82 and S83
Expansion Joints	360**	Span 7, PP59	S82 and S83
Expansion Joints	334**	Span 8, PP75	S80
Expansion Joints	194**	Pier 8	S84-S86
Drainage System	79	Span 1, btwn Gir. 6 and 7 at 3rd C.F. from Abut.	S77
Drainage System	79	Span 1, btwn Gir. 6 and 7 at 6th C.F. from Abut.	S77
Drainage System	435	Span 2, Gir. 6 at 4th C.F. from Pier 2	S77
Drainage System	435	Span 2, Gir. 6 at 2nd C.F. from Pier 2	S77
Drainage System	353	Span 3, btwn Gir. 2 and 3 at 3rd C.F. from Pier 3	S77
Drainage System	436	Pier 3, btwn Gir. 1 and 2	S77
Drainage System	341**	Span 4, 5' South of L6E	S78
Drainage System	437**	Span 4, 5' North of L8W	S78
Drainage System	364**	Span 4, 8' North of L13E	S78
Drainage System	366**	Span 5, 6' from FB. 14, Panel 15	S78
Miscellaneous Fastener Repairs	81	Pier 3, Finger Joint Trough	S128
Miscellaneous Fastener Repairs	218	Span 4, L6E-L7E, 1' from L6E	S128
Miscellaneous Fastener Repairs	218	Span 4, L6W-L7W, 1' from L6W	S128
Miscellaneous Fastener Repairs	363	Span 4, Panel 7, Lower Lateral at Str. 3, 5 and 8	S128
Miscellaneous Fastener Repairs	392	Span 4, FB. 7 at Str. 6, Panel 7	S128
Miscellaneous Fastener Repairs	263	Span 4, Str. 1 at FB. 9, Panel 10	S128
Miscellaneous Fastener Repairs	90	Span 4, Upper Lateral at U11E	S128
Miscellaneous Fastener Repairs	92	Span 4, Sway Brace, Lower Strut near L11E-U11E	S128
Miscellaneous Fastener Repairs	95	Span 4, Upper Lateral at U12E	S128
Miscellaneous Fastener Repairs	265	Span 4, Str. 7 at FB. 12, Panel 13	S128
Miscellaneous Fastener Repairs	222	Span 4, Diaphragm at Str. 9, Panel 13	S128
Miscellaneous Fastener Repairs	305	Span 4, Str. 11 at FB. 13, Panel 14	S128
Miscellaneous Fastener Repairs	365	Pier 4, Bearing at L14E	S128
Miscellaneous Fastener Repairs	393	Pier 4, Bearing at L14W	S128
Miscellaneous Fastener Repairs	223	Span 5, Upper Lateral at Midpoint of U17E-U17W	S128
Miscellaneous Fastener Repairs	395	Span 5, Str. 4 at FB. 18, Panel 18	S128
Miscellaneous Fastener Repairs	102	Span 5, L18E-U19E, 20' above Deck	S128
Miscellaneous Fastener Repairs	8	Span 5, FB. 19 at Str. 1, 2 and 4, Panel 20	S128
Miscellaneous Fastener Repairs	225	Span 5, FB. 19 at Str. 10, Panel 20	S128
Miscellaneous Fastener Repairs	107	Span 5, Lower Lateral at Str. 3, Panel 20	S128
Miscellaneous Fastener Repairs	110	Span 5, FB. 21 at Str. 6, Panel 22	S128
Miscellaneous Fastener Repairs	111	Span 5, FB. 21 at Str. 8, Panel 22	S128
Miscellaneous Fastener Repairs	423	Span 5, Diaphragm at Str. 3, Panel 22	S128
Miscellaneous Fastener Repairs	344	Span 5, Sway Brace at PP22 over East Bound Lane	S128
Miscellaneous Fastener Repairs	370	Span 5, Lower Lateral at Str. 9, Panel 23	S128
Miscellaneous Fastener Repairs	121	Span 5, Diaphragm at Str. 3, Panel 25	S128
Miscellaneous Fastener Repairs	123	Span 5, L26E-U26E, 12' above Deck	S128
Miscellaneous Fastener Repairs	125	Span 5, Str. 6, 6' from FB. 27, Panel 27	S128
Miscellaneous Fastener Repairs	425	Span 5, Str. 10 at FB. 27, Panel 27	S128
Miscellaneous Fastener Repairs	17	Span 5, FB. 27 btwn Str. 6 and 7, Panel 27	S128
Miscellaneous Fastener Repairs	126	Span 5, Str. 5, 6' from FB. 27, Panel 28	S128
Miscellaneous Fastener Repairs	127	Span 5, Str. 8, 6' from FB. 27, Panel 28	S128
Miscellaneous Fastener Repairs	18	Spans 5/6, FB. 29 btwn Str. 6 and 7, Panel 30	S128
Miscellaneous Fastener Repairs	270	Span 6, Diaphragm at Str. 5, Panel 31	S128
Miscellaneous Fastener Repairs	309	Span 6, Diaphragm at Str. 10, Panel 31	S128
Miscellaneous Fastener Repairs	233	Span 6, Diaphragm at Str. 3, Panel 33	S128
Miscellaneous Fastener Repairs	19	Span 6, FB. 33 btwn Str. 6 and 7, Panel 33	S128
Miscellaneous Fastener Repairs	372	Span 6, Str. 3 at FB. 34, Panel 35	S128
Miscellaneous Fastener Repairs	138	Span 6, U34E-U35E, 5' from U34E	S128
Miscellaneous Fastener Repairs	317	Span 6, L34W-L35W, 4' from L34W	S128
Miscellaneous Fastener Repairs	25	Span 6, FB. 35 btwn Str. 6 and 7, Panel 36	S128
Miscellaneous Fastener Repairs	234	Span 6, L36E-U36E, 9' above Deck	S128
Miscellaneous Fastener Repairs	235	Span 6, L36E-L37E, 7' from L36E	S128

Repair I.D. No.	10/28/2018 NBIS Inspection Deficiency Item No.	Location	Sheet No. of S143
Miscellaneous Fastener Repairs	236	Span 6, Diaphragm at Str. 3, Panel 37	S128
Miscellaneous Fastener Repairs	237	Span 6, U37W, Outside Gusset Plate	S128
Miscellaneous Fastener Repairs	271	Span 6, Str. 2 at FB. 37, Panel 38	S128
Miscellaneous Fastener Repairs	319	Span 6, Diaphragm at Str. 8, Panel 38	S128
Miscellaneous Fastener Repairs	146	Span 6, Str. 3 at FB. 38, Panel 39	S128
Miscellaneous Fastener Repairs	374	Span 6, Str. 12, 3' from FB. 38, Panel 39	S128
Miscellaneous Fastener Repairs	238	Span 6, U39W, Outside Gusset Plate	S128
Miscellaneous Fastener Repairs	147	Span 6, FB. 39 at Str. 6 and 7, Panel 39	S128
Miscellaneous Fastener Repairs	452	Span 6, Str. 4 at FB. 40, Panel 41	S128
Miscellaneous Fastener Repairs	241	Span 6, Diaphragm at Str. 8, Panel 41	S128
Miscellaneous Fastener Repairs	375	Span 6, Diaphragm at Str. 10, Panel 41	S128
Miscellaneous Fastener Repairs	400	Span 6, L41E-L42E, 6' from L41E	S128
Miscellaneous Fastener Repairs	355	Span 6, L42E-L43E at L42E	S128
Miscellaneous Fastener Repairs	356	Span 6, L42W-L43W at L42W	S128
Miscellaneous Fastener Repairs	243	Span 6, Diaphragm at Str. 3, Panel 43	S128
Miscellaneous Fastener Repairs	454	Span 6, Diaphragm at Str. 8, Panel 43	S128
Miscellaneous Fastener Repairs	152	Span 6, FB. 43 at Str. 6, Panel 43	S128
Miscellaneous Fastener Repairs	72	Span 6, U43E-U44E at U44E	S128
Miscellaneous Fastener Repairs	321	Span 6, FB. 44 at Str. 2, Panel 44	S128
Miscellaneous Fastener Repairs	377	Span 6, Diaphragm at Str. 3, Panel 45	S128
Miscellaneous Fastener Repairs	35	Span 6, FB. 45 at Str. 6 and 7, Panel 46	S128
Miscellaneous Fastener Repairs	401	Span 6, Diaphragm at Str. 3, Panel 46	S128
Miscellaneous Fastener Repairs	278	Span 6, Str. 7, 6' from FB. 48, Panel 48	S128
Miscellaneous Fastener Repairs	378	Span 6, Lower Lateral at Str. 10, Panel 48	S128
Miscellaneous Fastener Repairs	246	Span 6, U48E, Outside Gusset Plate	S128
Miscellaneous Fastener Repairs	457	Span 6, Lower Lateral at Str. 8, Panel 49	S128
Miscellaneous Fastener Repairs	279	Spans 6/7, L49E, Inside Gusset Plate	S128
Miscellaneous Fastener Repairs	37	Spans 6/7, FB. 49 at Str. 7, Panel 49	S128
Miscellaneous Fastener Repairs	161	Pier 6, Bearing at L49E	S128
Miscellaneous Fastener Repairs	323	Pier 6, Bearing at L49W	S128
Miscellaneous Fastener Repairs	357	Span 7, U50E-U50W at U50E	S128
Miscellaneous Fastener Repairs	282	Span 7, Lower Lateral at Str. 5, Panel 51	S128
Miscellaneous Fastener Repairs	38	Span 7, FB. 51 at Str. 6 and 7, Panel 52	S128
Miscellaneous Fastener Repairs	404	Span 7, Diaphragm at Str. 3, Panel 53	S128
Miscellaneous Fastener Repairs	285	Span 7, Lower Lateral at Str. 5, Panel 55	S128
Miscellaneous Fastener Repairs	164	Span 7, L55E, Inside Gusset Plate	S128
Miscellaneous Fastener Repairs	286	Span 7, Lower Lateral at Str. 8, Panel 57	S128
Miscellaneous Fastener Repairs	249	Span 7, Lower Lateral at L58W	S128
Miscellaneous Fastener Repairs	250	Span 7, Lower Lateral, 6' from L58E	S128
Miscellaneous Fastener Repairs	347	Span 7, Lower Lateral at Str. 3, Panel 59	S128
Miscellaneous Fastener Repairs	288	Span 7, L58W-L59W, 5' from L59W	S128
Miscellaneous Fastener Repairs	327	Span 7, Portal Brace at U59W	S128
Miscellaneous Fastener Repairs	407	Span 7, Str. 8 at FB. 59, Panel 60	S128
Miscellaneous Fastener Repairs	252	Span 7, FB. 59 at Str. 8 and 9, Panel 60	S128
Miscellaneous Fastener Repairs	172	Span 7, Str. 10, Midpanel of Panel 62	S128
Miscellaneous Fastener Repairs	348	Span 7, FB. 62 btwn Str. 5 and 6, Panel 62	S128
Miscellaneous Fastener Repairs	329	Span 7, Lower Lateral at Str. 8, Panel 63	S128
Miscellaneous Fastener Repairs	176	Span 7, Lower Lateral, 5' from L63W	S128
Miscellaneous Fastener Repairs	379	Span 7, Diaphragm at Str. 3, Panel 64	S128
Miscellaneous Fastener Repairs	177	Pier 7, Bearing at L64W	S128
Miscellaneous Fastener Repairs	256	Pier 7, Bearing at L64E	S128
Miscellaneous Fastener Repairs	461	Span 8, Lower Lateral at Str. 3, Panel 65	S128
Miscellaneous Fastener Repairs	380	Span 8, Diaphragm at Str. 4, Panel 66	S128
Miscellaneous Fastener Repairs	409	Span 8, Diaphragm at Str. 10, Panel 66	S128
Miscellaneous Fastener Repairs	189	Span 8, Lower Lateral at L74E	S128
Miscellaneous Fastener Repairs	411	Span 8, Diaphragm at Str. 10, Panel 75	S128
Miscellaneous Fastener Repairs	412	Span 8, FB. 75 at Str. 11, Panel 75	S128
Miscellaneous Fastener Repairs	195	Span 9, Gir. 8, 1' from 2nd C.F. from Pier 8	S128
Miscellaneous Fastener Repairs	76	Span 9, Gir. 2 at 3rd C.F. from Pier 8	S128
Miscellaneous Fastener Repairs	199	Pier 9, Gir. 1 Bearing	S128
Miscellaneous Fastener Repairs	417	Pier 10, Gir. 8 Bearing	S128
Miscellaneous Fastener Repairs	340	Span 12, Gir. 1, 3rd C.F. from Pier 12	S128
Lighting Repairs	84	Span 4, L6W	Lighting Plans
Lighting Repairs	84	Span 4, L7E	Lighting Plans
Lighting Repairs	394	Span 5, 4' from L14W	Lighting Plans
Lighting Repairs	65	Span 5, L18E-L19E, 6' from L19E	Lighting Plans
Lighting Repairs	397	Span 5, L20E	Lighting Plans
Lighting Repairs	429	Span 6, U39W	Lighting Plans
Lighting Repairs	429	Span 6, U40W	Lighting Plans
Lighting Repairs	245	Span 6, L44E	Lighting Plans
Lighting Repairs	245	Span 6, L44W	Lighting Plans
Lighting Repairs	460	Spans 7/8, L64E	Lighting Plans
Lighting Repairs	388	Span 10, East Parapet	Lighting Plans

**Damaged elements will be replaced as part of the entire component replacement

Note:
See Sheets S7 thru S13 for repair identification numbers.

*PEORIA/TAZEWELL

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - RLM	REVISED -
	CHECKED - CSG	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -

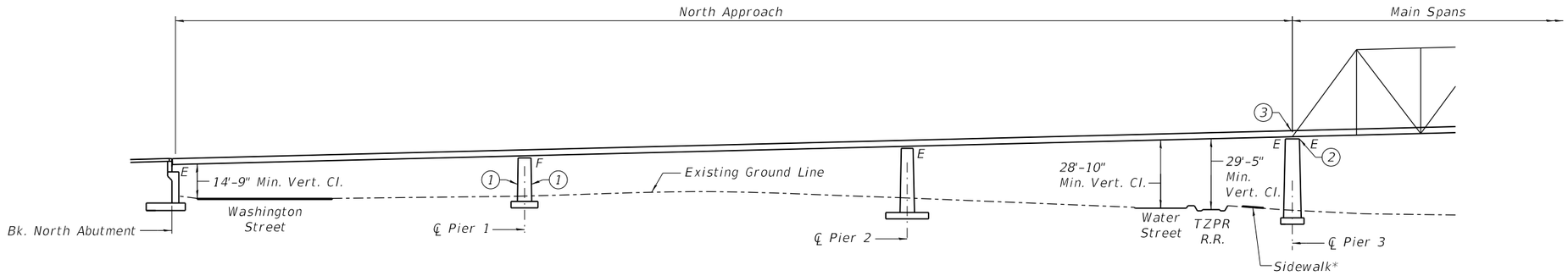
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

2018 NBIS REFERENCE TABLES - 2
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S6 OF S145 SHEETS

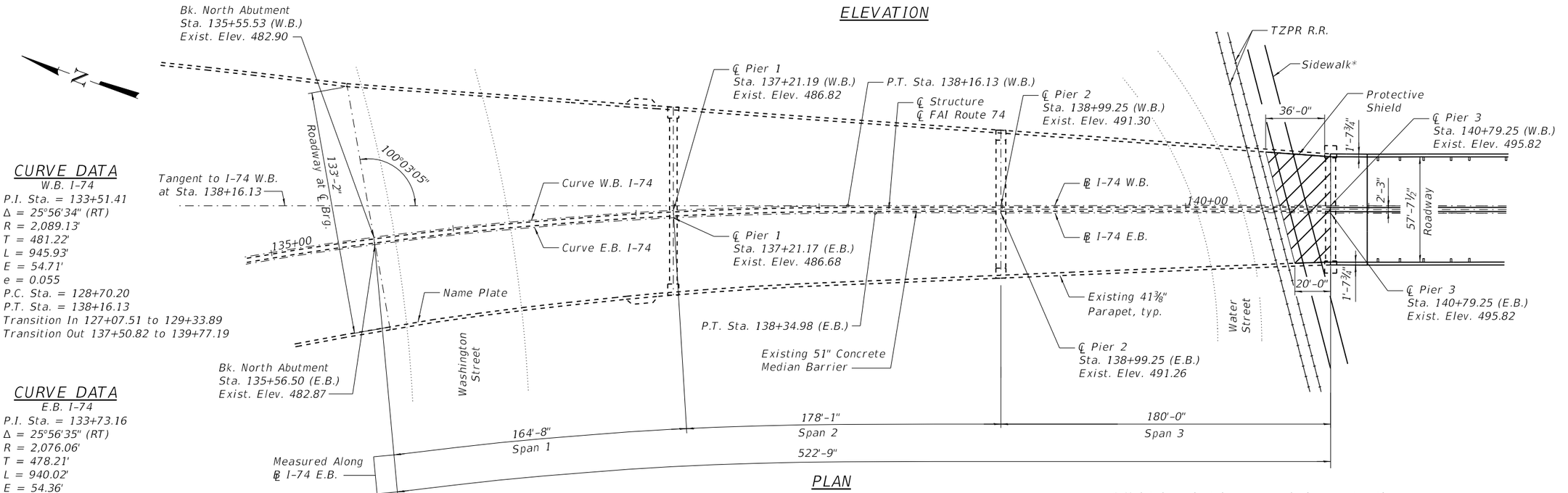
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	188
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-006-NBIS2.dgn

8/9/2019 11:28:51 AM



ELEVATION



PLAN

* Maintain pedestrian access during construction.

CURVE DATA
W.B. I-74

P.I. Sta. = 133+51.41
Δ = 25°56'34" (RT)
R = 2,089.13'
T = 481.22'
L = 945.93'
E = 54.71'
e = 0.055
P.C. Sta. = 128+70.20
P.T. Sta. = 138+16.13
Transition In 127+07.51 to 129+33.89
Transition Out 137+50.82 to 139+77.19

CURVE DATA
E.B. I-74

P.I. Sta. = 133+73.16
Δ = 25°56'35" (RT)
R = 2,076.06'
T = 478.21'
L = 940.02'
E = 54.36'
e = 0.055
P.C. Sta. = 128+94.96
P.T. Sta. = 138+34.98
Transition In 127+30.48 to 129+56.86
Transition Out 137+67.22 to 139+64.07

NORTH APPROACH REPAIR SCHEDULE

ID. NO.	Item	Location	Action
-	Bridge Deck Concrete Sealer	Entire Deck from North Abutment to Pier 3	Apply bridge deck concrete sealer to top of deck, parapets and median barrier
-	Concrete Sealer	North Abutment and Pier 3	Apply concrete sealer to abutment and pier caps under expansion joints
-	Structure Painting	Structural Steel near Expansion Joints at North Abutment and Pier 3	Clean and paint structural steel 5' from expansion joint at North Abutment; clean and paint structural steel 5' from expansion joint at Pier 3 on approach side
-	Drainage System	North Approach	Clean out drains and drainage system; Repair/replace broken pipes and hangers
1	Pier	Pier 1	Epoxy resin crack injection
2	Pier	Pier 3	Formed concrete repair
3	Joint	Pier 3	Replace missing bolts in finger plate trough; clean trough

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq. Yd.	200

Note:
For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\09000001-68C89-007-GP&ENAppr.dgn
8/9/2019 11:28:52 AM

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - CSG	REVISED -	
	CHECKED - RLM	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - NORTH APPROACH
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

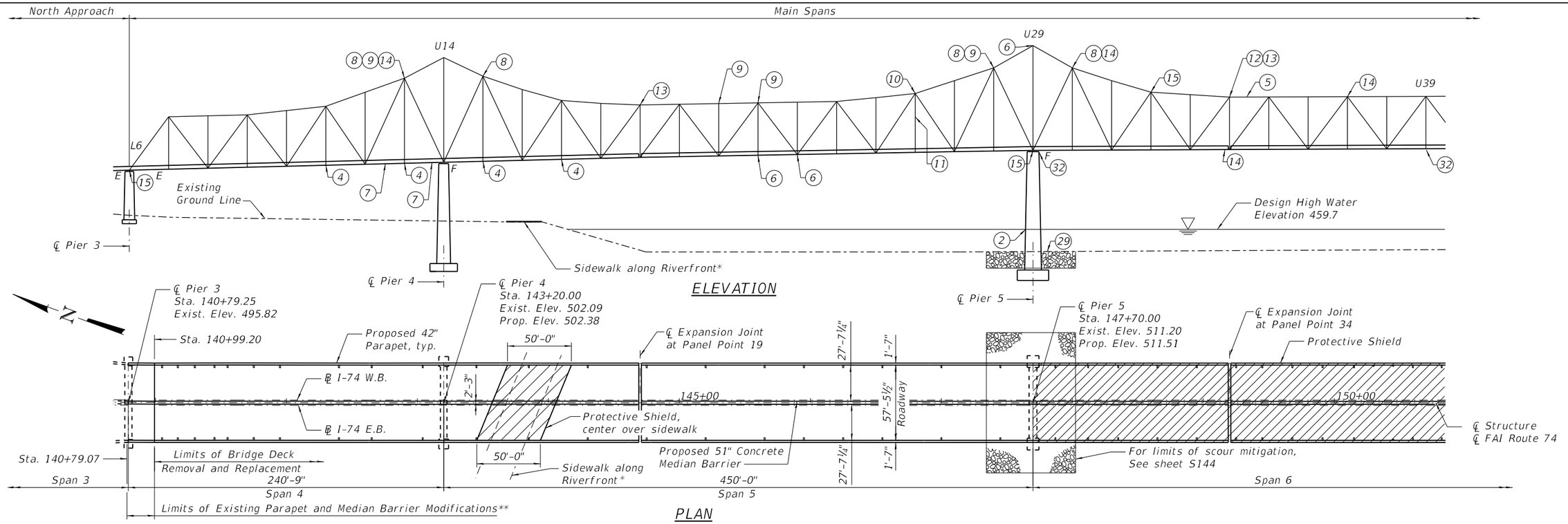
SHEET S7 OF S145 SHEETS

*PEORIA/TAZEWELL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	189

CONTRACT NO. 68C89

ILLINOIS | FED. AID PROJECT



MAIN SPAN REPAIR SCHEDULE - 1

ID. NO.	Item	Location	Action
-	Bridge Deck	Pier 3 to Pier 8	Modify parapets/median barrier and remove and replace bridge deck/parapets/median barrier to the limits shown. Install shear studs on existing stringers as part of this work.
-	Expansion Joints	Expansion Joints at Span 4, PP9 and PP12; Span 5, PP16, PP19, PP22, PP25 and PP28; and Span 6, PP31, PP34 and PP37	Replace expansion joints within limits of deck replacement
-	Protective Coat	Entire Deck from Pier 3 to Pier 8	Apply protective coat to top of deck, parapets and median barrier
-	Structure Painting	Floorsystem near Expansion Joints at Pier 3; Span 4, PP9, and PP12; Span 5, PP16, PP19, PP22, PP25 and PP28; Span 6, PP31, PP34 and PP37	Clean and paint floorsystem 10' from expansion joint at Pier 3 on main span side; clean and paint floorsystem 10' on each side of expansion joints at PP19 and PP34; clean and paint floorsystem 5' on each side of relief joints at PP9, PP12, PP16, PP22, PP25, PP28, PP31 and PP37
-	Structure Painting	Splash Zone	Clean and paint structure from bottom of lower chord to 22' above deck, including portal and sway bracing bottom struts; from outside face of lower chord to the second stringer; and, the interior surfaces of the box shaped members within this zone.
-	Drainage System	Main Spans	Clean out drains and drainage system within limits of existing deck to remain; install new drains within limits of deck replacement, replace portion of existing drainage system
-	Miscellaneous Fastener Repairs	Various Members, Various Locations	Replace defective or missing fasteners; fill misdrilled holes with bolts
2	Pier	Pier 5	Formed concrete repair
4	Hangers	L11W-U11W at L11W, L13E-U13E at L13E, L15E-U15E at L15E, L15W-U15W at L15W, L17E-U17E at L17E and L17W-U17W at L17W	Install repair plates
5	Upper Chord Cleaning and Painting	U34W-U35W, 4' from U34W	Spot clean and paint at location of deterioration
6	Gusset Plate Repair/Strengthening	L22E, 0.S.; L23E, 0.S. and I.S.; U29E, 0.S. and I.S.; U29W, 0.S. and I.S.	Install repair plates at location of deterioration; replace select rivets with high strength bolts at U29
7	Truss Member Strengthening	L12E-L14E, L12W-L14W	Install strengthening plates
8	Portal Bracing Strut	at U13W, at U13E, at U15E, Midpt. U15E-U15W, at U15W, at U28W, Midpt. U28E-U28W, at U28E, at U30W	Stay plate/lacing bar replacement
9	Upper Lateral Bracing	at U13E, at U21E, at U22E, at U22W, at U28E	Stay plate/lacing bar replacement
10	Sway Frame Strut	at U26E	Replace bent plate
11	Sway Frame Lower Strut	at U26W-L26W	Remove cracked weld and/or repair connection plate
12	Upper Chord	U34E-U35E 5' from U34E	Remove cracked welds
13	Guide Pins	at U19E, at U19W, at U34E, at U34W	Retrofit for wear grooves
14	Welds	Gusset Pl. at U13W, Gusset Pl. at U30E, L33W-L34W 6' from L34W, Gusset Pl. at U37E	Remove or repair cracked welds
15	Plug Welds	L6W-L7W at L6W, Gusset Pl. at L29W and U32E	Remove plug welds
29	Pier	Pier 5	Install filter mattress and riprap
32	Access Platform	at L29E, L29W, L39E, and L39W	Reconstruct navigation light access platforms

* Maintain pedestrian access during construction.

** Existing tapered parapets and median barrier shall be modified with a reinforced concrete extension to match the heights of the new parapets and median barrier on the deck replacement.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq. Yd.	2,358

Notes:

Existing bridge deck to be removed is non-composite. Replacement bridge deck will be composite.

For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.

Proposed elevations shown are final elevations after grinding.

MODEL: Default
FILE NAME: I:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-008-GP&ETrussSpans1.dgn
8/9/2019 11:28:53 AM

MODJESKI and MASTERS Experience great bridges.

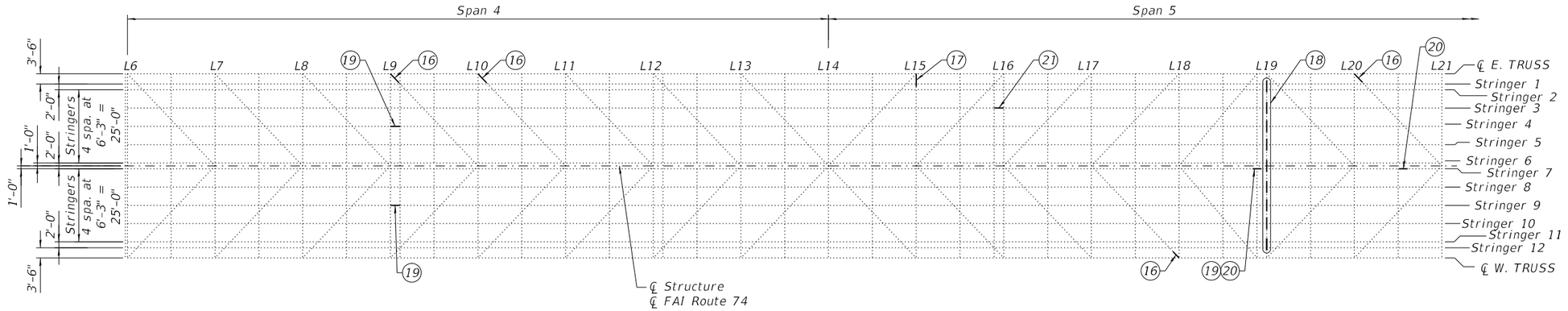
USER NAME =	DESIGNED - CSG	REVISED -	
	CHECKED - RLM	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -	

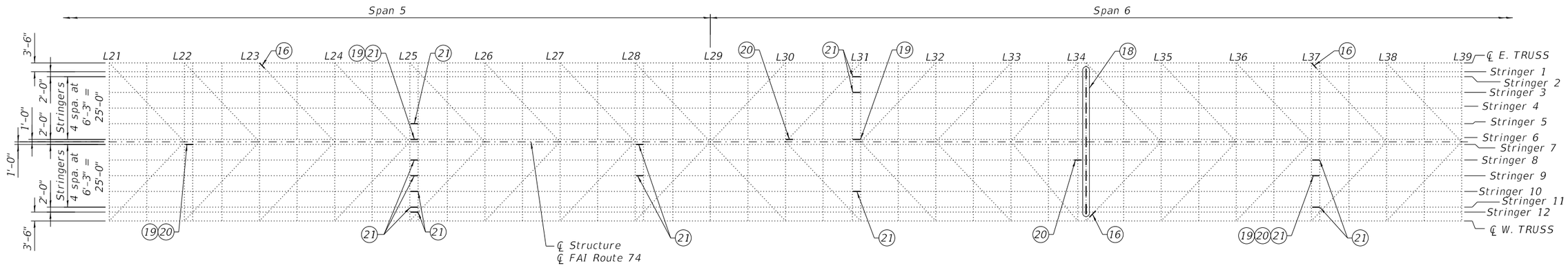
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - TRUSS SPANS - 1
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S8 OF S145 SHEETS

*PEORIA/TAZEWELL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	190
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			





FRAMING PLAN

MAIN SPAN REPAIR SCHEDULE - 2			
ID. NO.	Item	Location	Action
16	Lower Lateral Bracing	At L9E, at L10E, at L18W, at L20E, at L23E, at L34W, at L37E	Install repair plates and/or angles
17	Floorbeam	FB. 15, East End	Install bottom flange repair plates
18	Stringer Seat to Floorbeam Connection	All Stringer Seats in Panel 19 at FB. 19 and Panel 34 at FB. 34	Remove stringer seat to floorbeam web welds
19	Stringer Web	Str. 4 and Str. 9 at FB. 9, Pan. 10; Str. 7 at FB. 19, Pan. 19; Str. 7 at FB. 22, Pan. 23; Str. 6 at FB. 25, Pan. 26; Str. 6 at FB. 31, Pan. 31; Str. 9 at FB. 37, Pan. 38	Install web repair plates and/or angles
20	Stringer Flange	Str. 7 at FB. 19, Pan. 19; Str. 7, 11' from FB. 21, Pan. 21; Str. 7 at FB. 22, Pan. 23; Str. 6, 6' from FB. 30, Pan 31; Str. 8 at Strut, Pan. 34; Str. 9 at FB. 37, Pan. 38	Install flange repair plates and/or angles
21	Stringer Seat	Str. 3 at FB. 16, Pan 16; Str. 5, Str. 6, Str. 8, Str. 9, Str. 10, Str. 11 and Str. 12 at FB. 25, Pan. 26; Str. 7 and Str. 9 at FB. 28, Pan. 29; Str. 2, Str. 3 and Str. 10 at FB. 31, Pan. 31; Str. 8, Str. 9 and Str. 11 at FB. 37, Pan. 38	Replace stringer seat

Notes:
Truss joint and panel numbering coincide with original truss geometry prior to truss modifications made in 2005. Floorbeam numbering aligns with truss joint numbering shown in framing plan. Panel numbering starts with Panel 7 at the north end of Span 4.
For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-009-GP&ETrussSpans2.dgn
8/9/2019 11:28:53 AM

MODJESKI and MASTERS Experience great bridges.

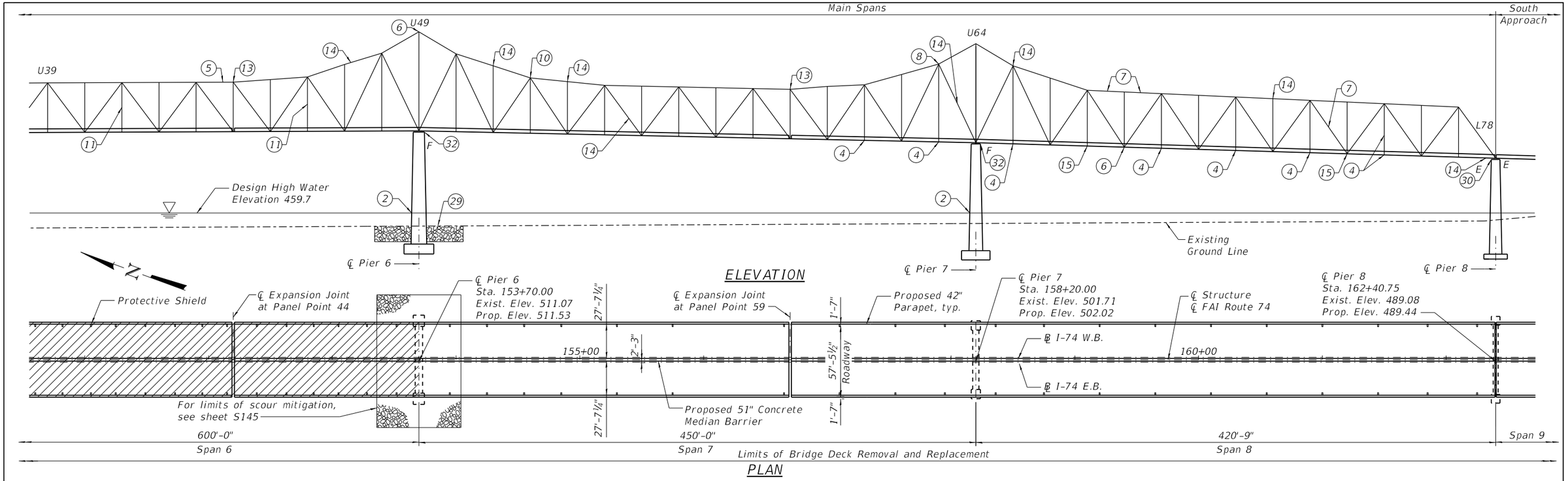
USER NAME =	DESIGNED - CSG	REVISED -	
	CHECKED - RLM	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - TRUSS SPANS - 2
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S9 OF S145 SHEETS

*PEORIA/TAZEWELL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	191
			CONTRACT NO. 68C89	
	ILLINOIS	FED. AID PROJECT		



MAIN SPAN REPAIR SCHEDULE - 3

ID. NO.	Item	Location	Action
-	Bridge Deck	Pier 3 to Pier 8	Modify parapets/median barrier and remove and replace bridge deck/parapets/median barrier to the limits shown. Install shear studs on existing stringers as part of this work.
-	Expansion Joints	Expansion Joints at Span 6, PP41, PP44 and PP47; Span 7, PP50, PP53, PP56, PP59 and PP62; Span 8, PP66, PP69, PP72 and PP75; and Pier 8	Replace expansion joints within limits of deck replacement
-	Protective Coat	Entire Deck from Pier 3 to Pier 8	Apply protective coat to top of deck, parapets and median barrier
-	Concrete Sealer	Pier 8	Apply concrete sealer to pier cap under expansion joint
-	Structure Painting	Floorsystem near Expansion Joints at Span 6, PP41, PP44 and PP47; Span 7, PP50, PP53, PP56, PP59 and PP62; Span 8, PP66, PP69, PP72 and PP75; and Pier 8	Clean and paint floorsystem 10' on each side of expansion joints at PP44 and PP59; clean and paint floorsystem 10' from expansion joint at Pier 8 on main span side, clean and paint floorsystem 5' on each side of relief joints at PP41, PP47, PP50, PP53, PP56, PP62, PP66, PP69, PP72, and PP75
-	Structure Painting	Splash Zone	Clean and paint structure from bottom of lower chord to 22" above deck, including portal and sway bracing bottom struts; from outside face of lower chord to the second stringer; and, the interior surfaces of the box shaped members within this zone
-	Drainage System	Main Spans	Install new drains within limits of deck replacement
-	Miscellaneous Fastener Repairs	Various Members, Various Locations	Replace defective or missing fasteners; fill misdrilled holes with bolts
2	Pier	Piers 6 and 7	Formed concrete repair
4	Hangers	L61W-U61W at L61W, L63E-U63E at L63E, L65W-U65W at L65W, L65E-U65E at L65E, L69W-U69W at L69W, L71W-U71W at L71W, L73W-U73W at L73W, L75E-U75E below Sway Brace Connection and at L75E	Install repair plates
5	Upper Chord Cleaning and Painting	U43W-U44W, 5' from U44W	Spot clean and paint at location of deterioration
6	Gusset Plate Repair/Strengthening	U49E, O.S. and I.S.; U49W, O.S. and I.S.; L68E, I.S.	Install repair plates at location of deterioration; replace select rivets with high strength bolts at U49
7	Truss Member Strengthening	U67E-U69E, U67W-U69W, U73E-L74E, U73W-L74W	Install strengthening plates
8	Portal Bracing Strut	at U63E and U63W	Stay plate/lacing bar replacement
10	Sway Frame Strut	at U52W	Replace bent plate
11	Sway Frame Lower Strut	at U41E-L41E and at U46W-L46W	Remove cracked weld and/or repair connection plate
13	Guide Pins	at U44E, at U44W, at U59E, at U59W	Retrofit for wear grooves
14	Welds	U47E-U48E 8' from U47E, Gusset Pl. at U51W, U52E-U53E at U53E, U54E-L55E 10' above deck, U63E-L64E at Portal Brace connection, Gusset Pl. at U65W, Gusset Pl. at U65E, L72E-U72E at U72E, L77W-L78W at L78W	Repair or remove cracked welds
15	Plug Welds	L66W-L67W 3' from L67W, L74E-U75E at L74E	Remove plug welds
29	Pier	Pier 6	Install filter mattress and riprap
30	Bearings	Truss Span Rocker Bearings at Pier 8	Replace bearings
32	Access Platforms	at L49E, L49W, L64E and L64W	Reconstruct navigation light access platforms

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq. Yd.	2,021

Notes:

Existing bridge deck to be removed is non-composite. Replacement bridge deck will be composite.

For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.

Proposed elevations shown are final elevations after grinding.

*PEORIA/TAZEWELL

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\IN 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-010-GP&ETrussSpans3.dgn

8/9/2019 11:28:54 AM

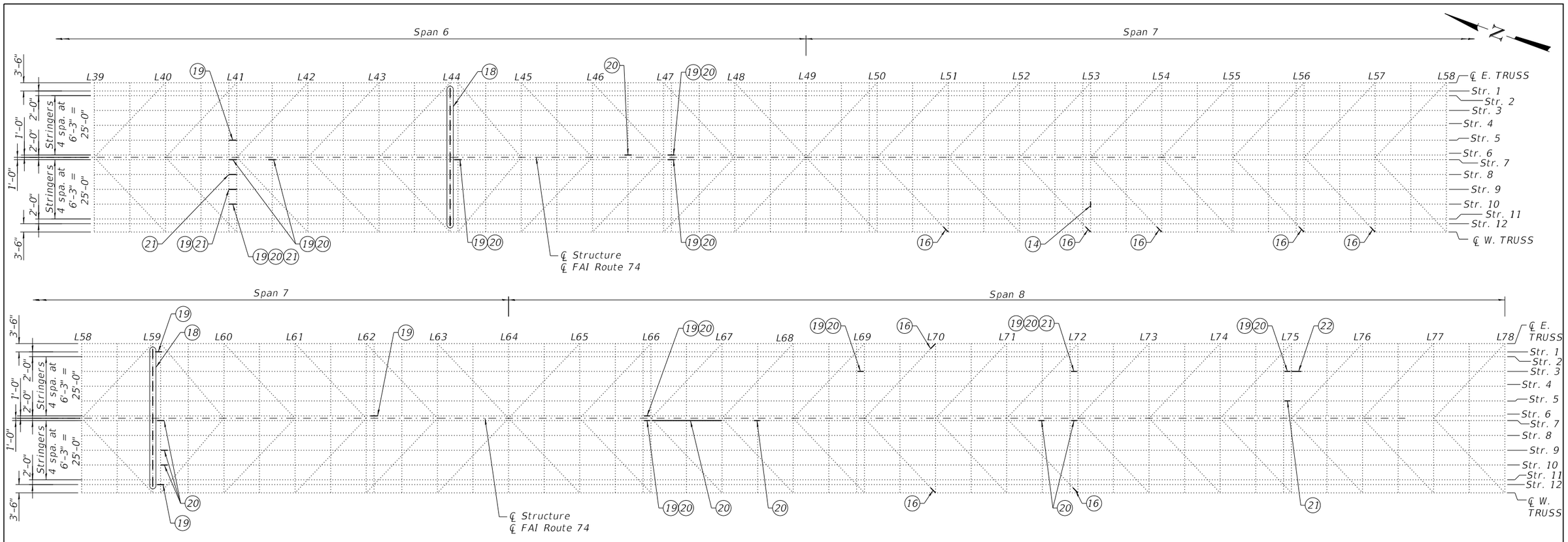
MODJESKI and MASTERS Experience great bridges.

USER NAME =	DESIGNED - CSG	REVISED -	
	CHECKED - RLM	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - TRUSS SPANS - 3
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S10 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	192
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			



FRAMING PLAN

MAIN SPAN REPAIR SCHEDULE - 4			
ID. NO.	Item	Location	Action
14	Welds	FB. 53 at Str. 10, Pan. 53	Remove cracked tack welds; Repair cracked welds
16	Lower Lateral Bracing	at L51W, at L53W, at L54W, at L56W, 3' from L57W, at L70W, at L70E and at L72W	Install repair plates and/or angles
18	Stringer Seat to Floorbeam Connection	All Stringer Seats in Panel 45 at FB. 44 and Panel 60 at FB. 59	Remove stringer seat to floorbeam web welds
19	Stringer Web	Str. 5, Str. 7, Str. 9 and Str. 10 at FB. 41, Pan. 41; Str. 7 at Midpanel, Pan. 42; Str. 7 at FB. 44, Pan. 45; Str. 6 and Str. 7 at FB. 47, Pan. 48; Str. 1 at FB. 59, Pan. 60: Str. 12 at FB. 59, Pan. 60; Str. 6 at FB. 62, Pan. 63; Str. 6 and Str. 7 at FB. 66, Pan. 66; Str. 3 at FB. 69, Pan. 69; Str. 3 at FB. 72, Pan. 72; Str. 3 at FB. 75, Pan. 75	Install web repair plates and/or angles
20	Stringer Flange	Str. 7 and Str. 10 at FB. 41, Pan. 41; Str. 7 at Midpanel, Pan. 42; Str. 7 at FB. 44, Pan. 45; Str. 6 at Midpanel, Pan. 47; Str. 6 and Str. 7 at FB. 47, Pan. 48; Str. 7 at FB. 59, Pan. 60; Str. 9 and Str. 10 at Strut, Pan. 60; Str. 6 and Str. 7 at FB. 66, Pan. 66; Str. 7, Full length, Pan. 67; Str. 7 at Midpanel, Pan. 68; Str. 3 at FB. 69, Pan. 69; Str. 7 at FB. 72 and Midpanel, Pan. 72; Str. 3 at FB. 72, Pan. 72; Str. 3 at FB. 75, Pan. 75	Install flange repair plates and/or angles
21	Stringer Seat	Str. 8, Str. 9 and Str. 10 at FB. 41, Pan. 41; Str. 3 at FB. 72, Pan. 72; Str. 5 at FB. 75, Pan. 75	Replace stringer seat
22	Stringer	Str. 3 at FB. 75, Pan. 76	Drill arrest hole at end of sawcut

Notes:
Floorbeam numbering coincides with truss joint numbering shown in the framing plan.
For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.

*PEORIA/TAZEWELL

MODJESKI and MASTERS Experience great bridges.

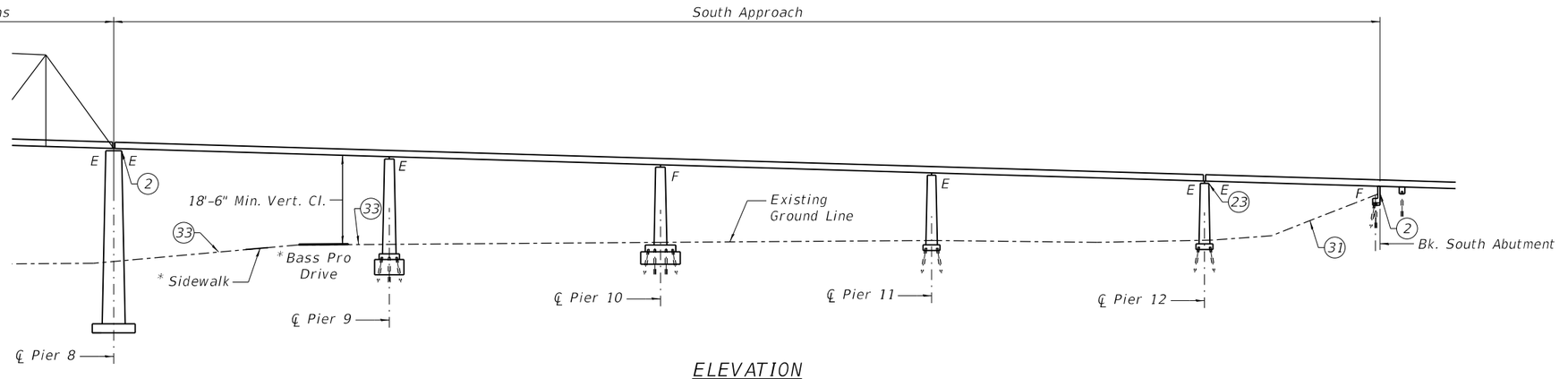
USER NAME =	DESIGNED - CSG	REVISED -
	CHECKED - RLM	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

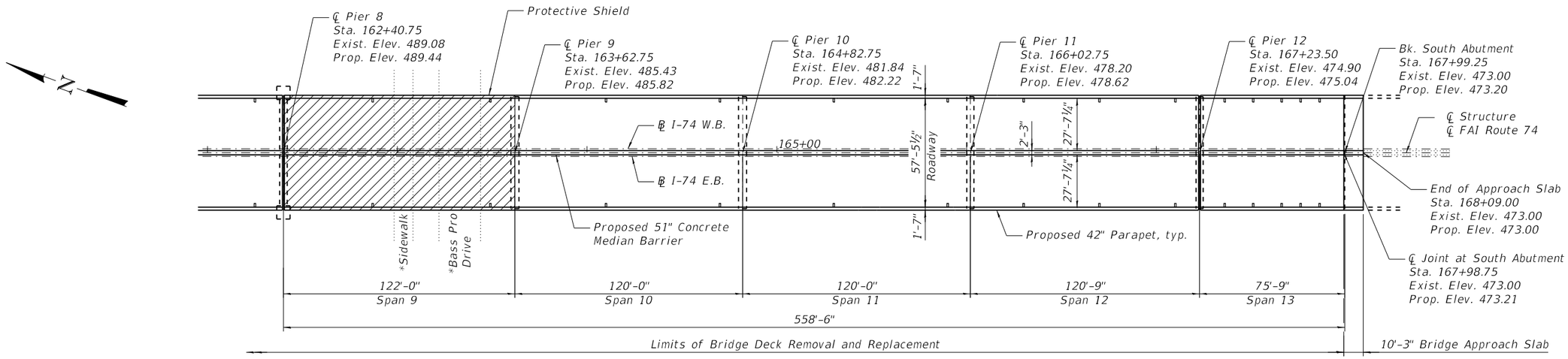
GENERAL PLAN AND ELEVATION - TRUSS SPANS - 4
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S11 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	193
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-011-GP&ETrussSpans4.dgn
8/9/2019 11:28:55 AM



ELEVATION



PLAN

SOUTH APPROACH REPAIR SCHEDULE - 1

ID. NO.	Item	Location	Action
-	Bridge Deck	Pier 8 to South Abutment	Remove and replace bridge deck/parapets/median barrier to the limits shown. Install shear studs on existing girders as part of this work.
-	Expansion Joints	Expansion Joint at Pier 12	Replace expansion joint within limits of deck replacement
-	Protective Coat	Entire Deck from Pier 8 to South Bridge Approach Slab	Apply protective coat to top of deck, parapets and median barrier
-	Concrete Sealer	Pier 12	Apply concrete sealer to pier cap under expansion joint
-	Structure Painting	Structural Steel near Expansion Joints at Pier 8 and Pier 12	Clean and paint structural steel 5' from expansion joint at Pier 8 on south approach side; clean and paint structural steel 5' on each side of expansion joint at Pier 12
-	Drainage System	South Approach	Install new drains within limits of deck replacement
-	Miscellaneous Fastener Repairs	Various Members, Various Locations	Replace defective or missing fasteners; fill misdrilled holes with bolts
-	Bridge Approach Slab	South End of Bridge	Remove and replace existing approach slab, parapets and median barrier.
2	Pier / Abutment	Pier 8 and South Abutment, East End	Formed concrete repair
23	Pier	Pier 12, Bearing Seat at Girders 2 and 7	Formed concrete repair; jacking required
31	Slope Protection	Ground beneath free fall drains in Span 13	Fill eroded slope and install slope protection
33	Concrete Splash Pad	Ground beneath free fall drains in Span 9	Construct concrete splash pads.

* Maintain pedestrian and vehicular access during construction.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq. Yd.	822

Notes:
Existing bridge deck to be removed is non-composite. Replacement bridge deck will be composite.
For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.
Proposed elevations shown are final elevations after grinding.

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\JN 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-012-GP&ESApprl.dgn
8/9/2019 11:28:55 AM

MODJESKI and MASTERS Experience great bridges.

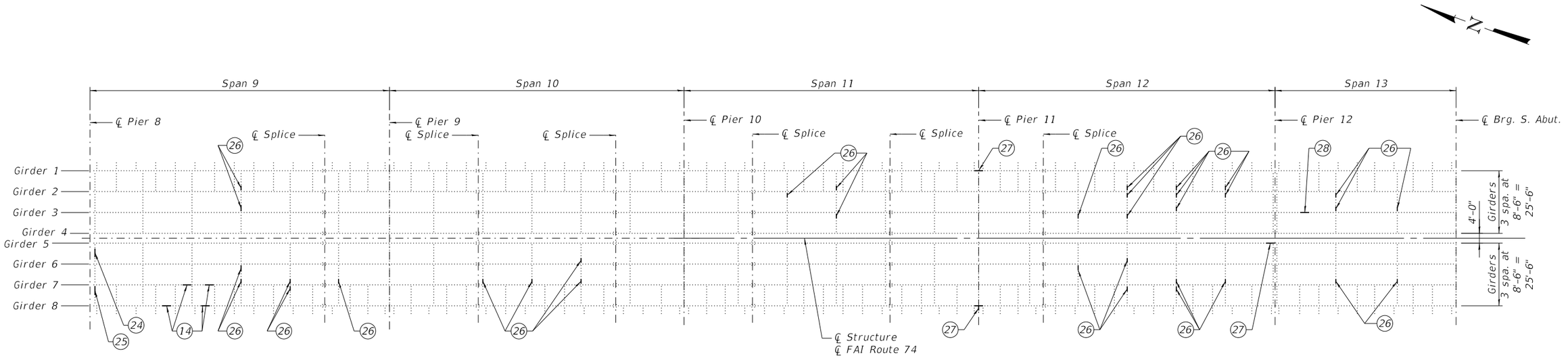
USER NAME =	DESIGNED - CSG	REVISED -	
	CHECKED - RLM	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - SOUTH APPROACH - 1
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S12 OF S145 SHEETS

*PEORIA/TAZEWELL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	194
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	



FRAMING PLAN

SOUTH APPROACH REPAIR SCHEDULE – 2			
ID. NO.	Item	Location	Action
14	Welds	Girder 7, Span 9, at 3rd Cross Frame from Pier 8 and between 3rd and 4th Cross Frames from Pier 8; Girder 8, Span 9, between 2nd and 3rd Cross Frames from Pier 8 and 8' S. of 3rd Cross Frame from Pier 8	Remove cracked tack welds
24	Cross Frame Bottom Strut	at Pier 8 between Girders 5 and 6	Replace angles
25	Cross Frame Diagonal Bracing	at Pier 8 between Girders 7 and 8	Replace angle
26	Cross Frame Connection Angle	Various Locations; Spans 9, 10, 11, 12 and 13	Retrofit cracked connection angles
27	Bearing Stiffeners	at Pier 11, Girders 1 and 8; at Pier 12, Girder 5	Repair stiffeners
28	Girder	Girder 3, Span 13, at 3rd stiffener from Pier 12	Remove miscellaneous welded steel

Notes:
For 2018 NBIS inspection deficiency item number and sheet reference, see sheets S5 and S6.
In reference to the cross frame numbering, the cross frame located at the pier shall be considered the first cross frame in that span.

*PEORIA/TAZEWELL

MODJESKI and MASTERS Experience great bridges.

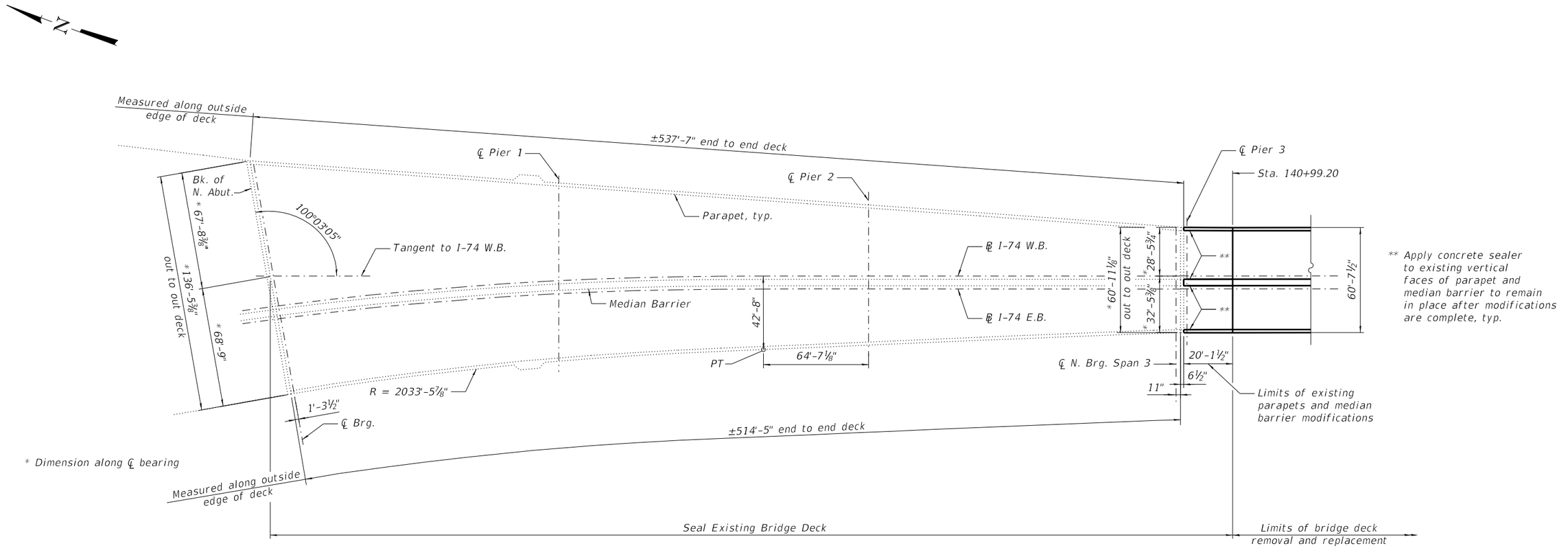
USER NAME =	DESIGNED - CSG	REVISED -	
	CHECKED - RLM	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - RLM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - SOUTH APPROACH - 2
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S13 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	195
		CONTRACT NO. 68C89		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: I:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\090001-68C89-013-GP&ESAppr2.dgn
8/9/2019 11:28:56 AM



** Apply concrete sealer to existing vertical faces of parapet and median barrier to remain in place after modifications are complete, typ.

* Dimension along ℄ bearing

PLAN

Note:
Concrete sealer shall be applied on top of slab, tops and inside vertical faces of parapets, and top and both vertical faces of median barrier as specified in the special provision for Bridge Concrete Sealer. Concrete sealer applied on Span 4 shall be performed after the existing parapets and median barrier modifications are completed.

BILL OF MATERIAL

Item	Unit	Total
Bridge Deck Concrete Sealer	Sq. Ft.	54,276

*PEORIA/TAZEWELL

MODJESKI and MASTERS Experience great bridges.

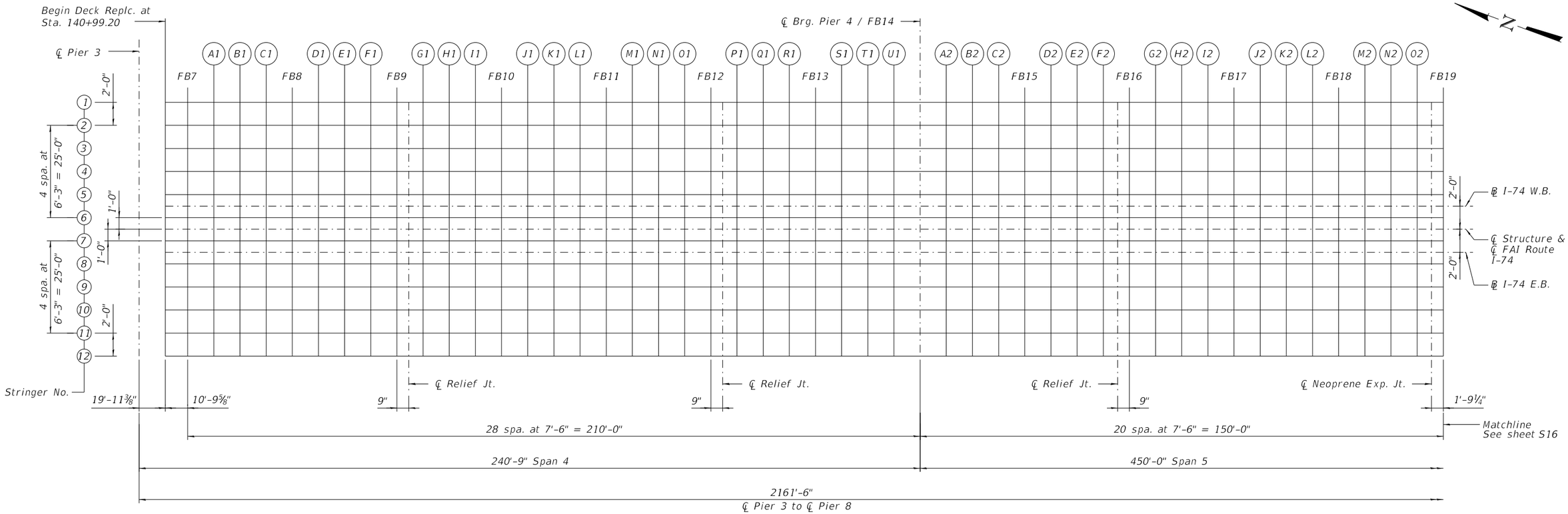
USER NAME =	DESIGNED - YSS	REVISED -	
	CHECKED - JAD	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE = 8/9/2019	CHECKED - YSS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

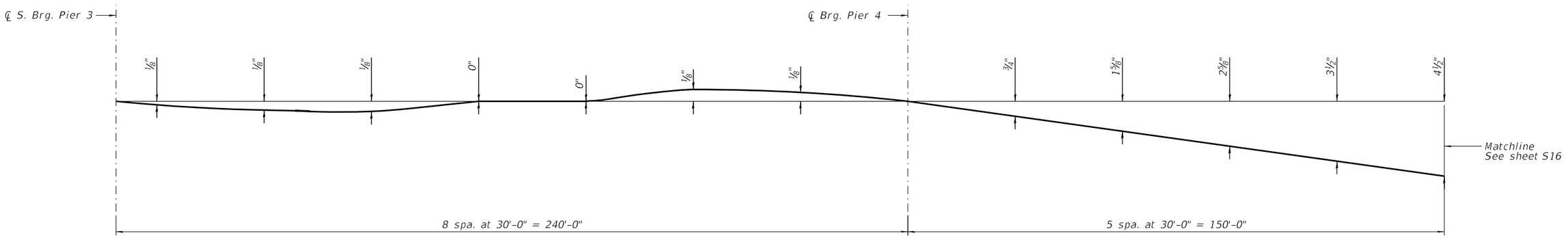
NORTH APPROACH CONCRETE SEALANT
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER
SHEET S14 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	196
			CONTRACT NO. 68C89	
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\IN 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-014-NApprConcSealant.dgn
8/9/2019 11:28:56 AM



PART PLAN - SPANS 4 AND 5



DEAD LOAD DEFLECTION DIAGRAM OF TRUSS

Includes weight of concrete only

Notes:

The dead load deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on sheets S23 thru S36.

The contractor is alerted that truss dead load deflection values shown were developed based on the concrete weight for the final in-service condition and are independent from the removal and replacement sequence shown on sheet S42.

FB indicates ℄ floorbeam.

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-015-TOS-01.dgn

8/9/2019 11:28:57 AM

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - YSS	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - ELK	REVISED -
PLOT DATE = 8/9/2019	CHECKED - YSS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - TRUSS SPANS - 1
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

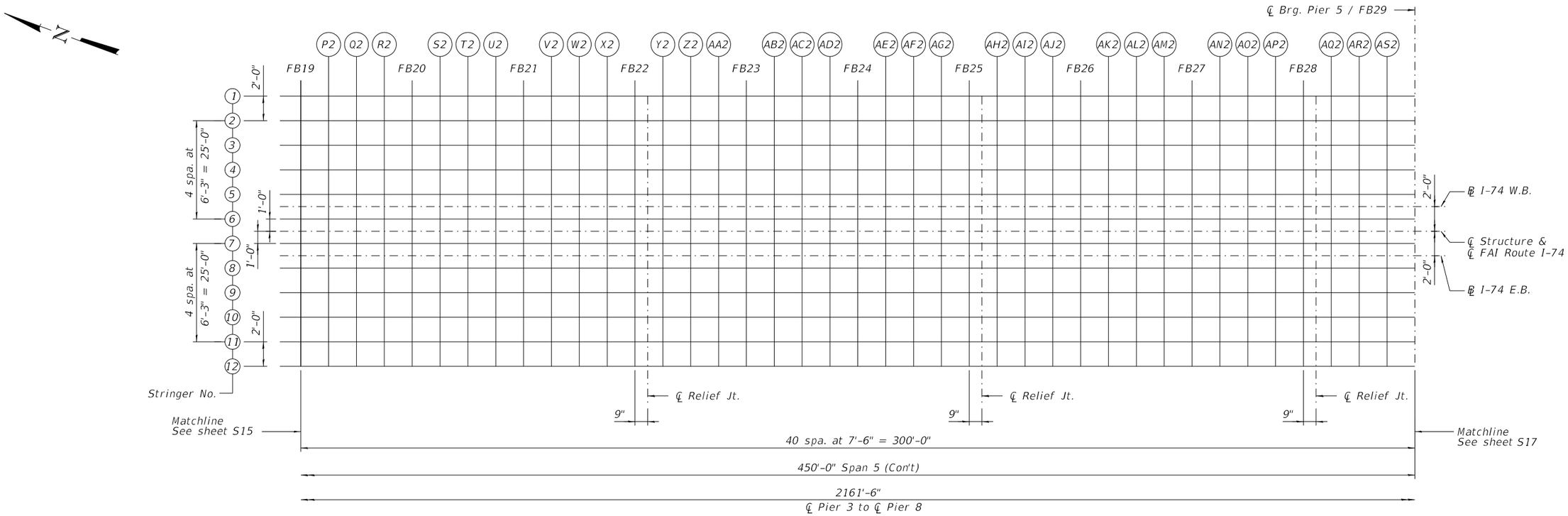
SHEET S15 OF S145 SHEETS

*PEORIA/TAZEWELL

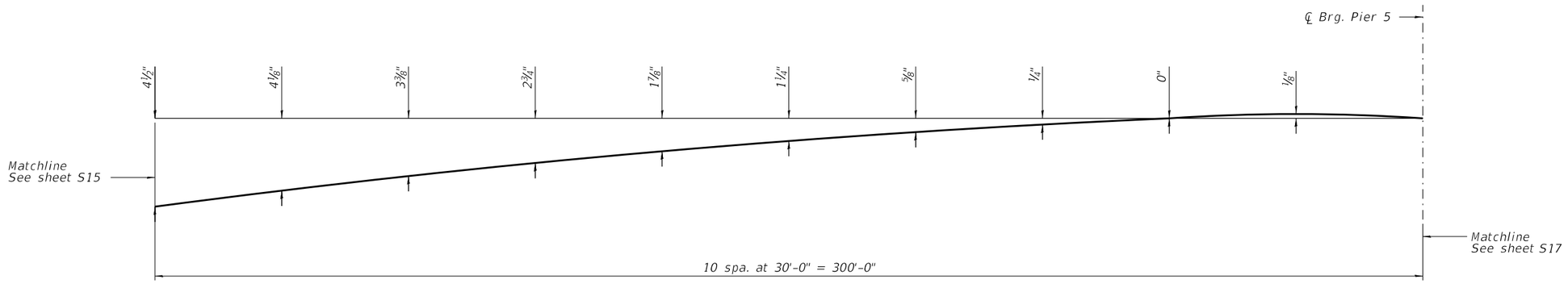
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	197

CONTRACT NO. 68C89

ILLINOIS | FED. AID PROJECT



PART PLAN - SPAN 5 (CON'T)



DEAD LOAD DEFLECTION DIAGRAM OF TRUSS

Includes weight of concrete only

Notes:

The dead load deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on sheets S23 thru S36.

The contractor is alerted that truss dead load deflection values shown were developed based on the concrete weight for the final in-service condition and are independent from the removal and replacement sequence shown on sheet S42.

FB indicates ℄ floorbeam.

MODEL: Default
FILE NAME: I:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\090001-68C89-016-TOS-02.dgn

8/9/2019 11:28:57 AM

*PEORIA/TAZEWELL

MODJESKI and MASTERS Experience great bridges.

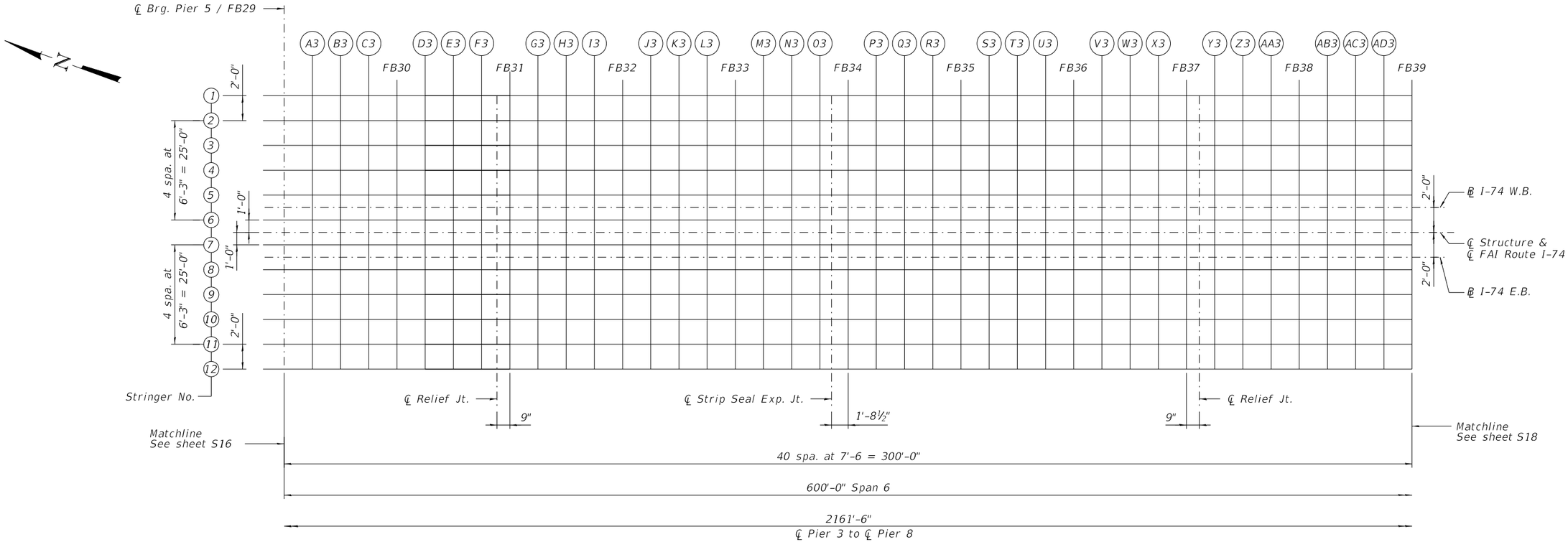
USER NAME =	DESIGNED - YSS	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - ELK	REVISED -
PLOT DATE = 8/9/2019	CHECKED - YSS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

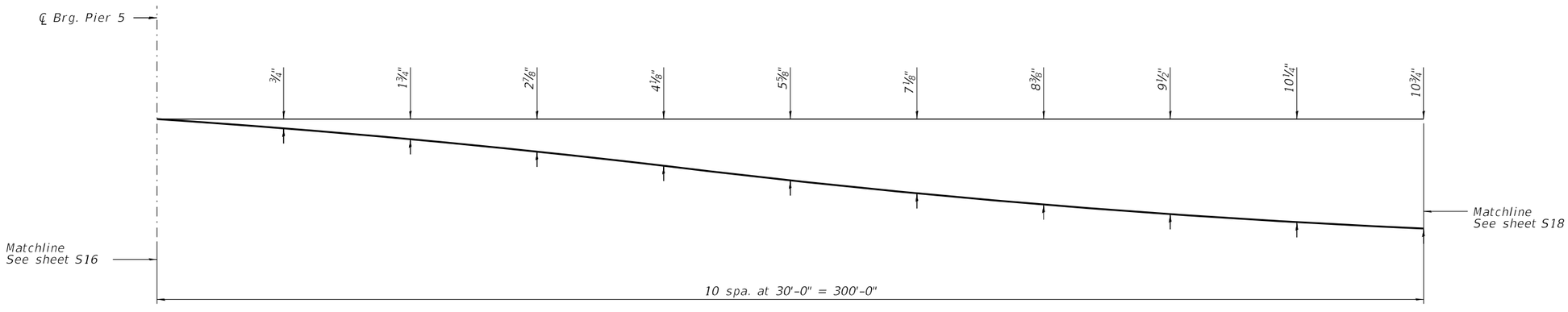
TOP OF SLAB ELEVATIONS - TRUSS SPANS - 2
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET S16 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	198
		CONTRACT NO. 68C89		
	ILLINOIS FED. AID PROJECT			



PART PLAN - SPAN 6



DEAD LOAD DEFLECTION DIAGRAM OF TRUSS

Includes weight of concrete only

Notes:

The dead load deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on sheets S23 thru S36.

The contractor is alerted that truss dead load deflection values shown were developed based on the concrete weight for the final in-service condition and are independent from the removal and replacement sequence shown on sheet S42.

FB indicates ℄ floorbeam.

*PEORIA/TAZEWELL

MODJESKI and MASTERS Experience great bridges.

USER NAME =	DESIGNED - YSS	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - ELK	REVISED -
PLOT DATE = 8/9/2019	CHECKED - YSS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

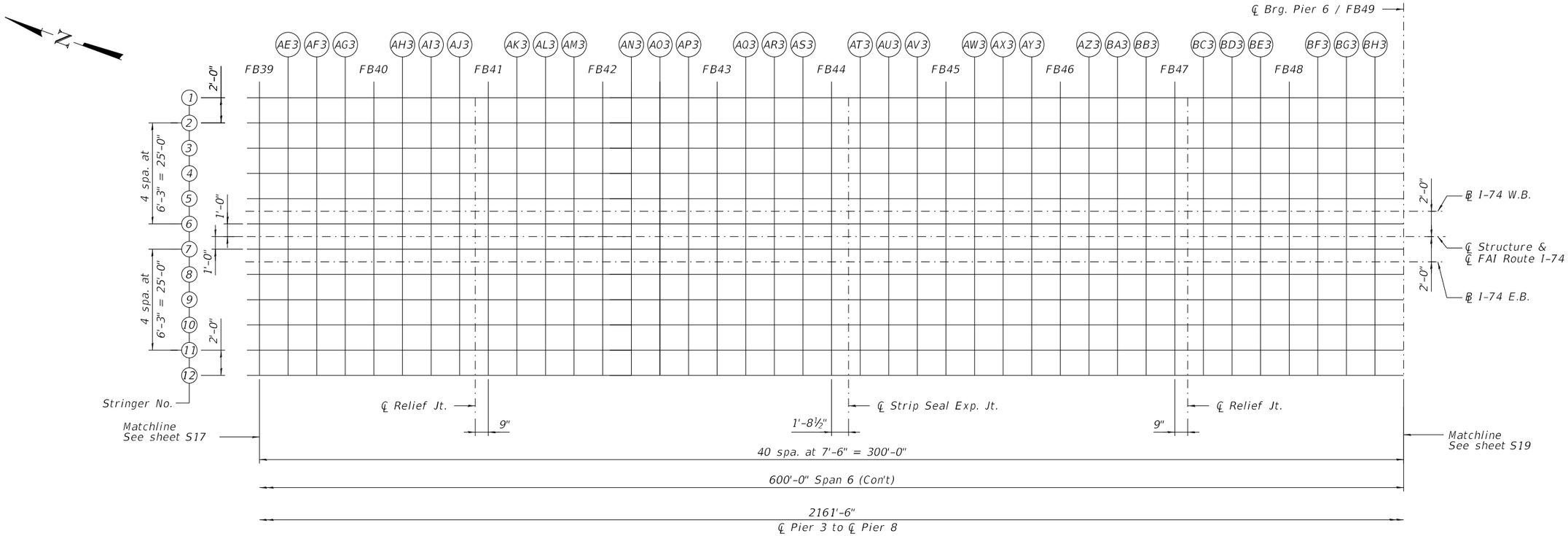
TOP OF SLAB ELEVATIONS - TRUSS SPANS - 3
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET S17 OF S145 SHEETS

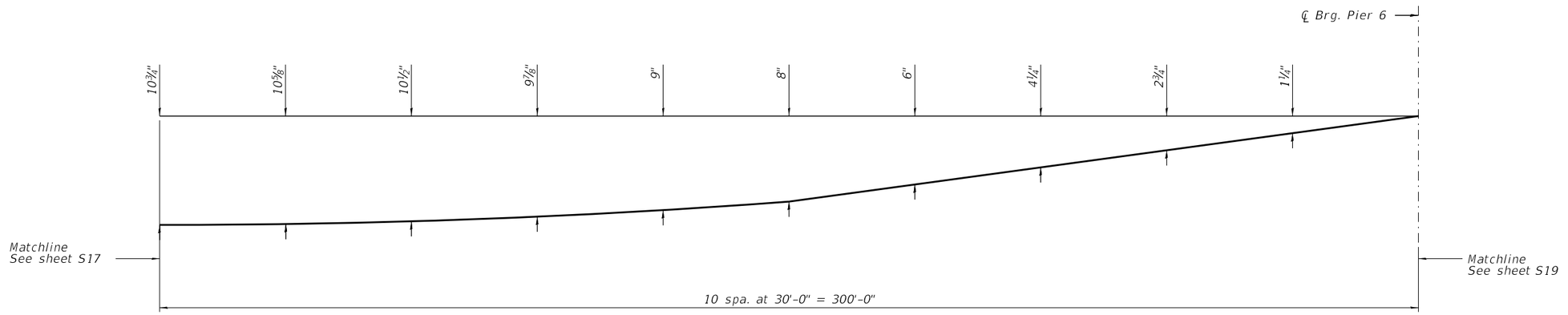
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	199
		CONTRACT NO. 68C89		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: I:\CADD Projects (Drawing Files)\IDOT\N 3808 - Murray Baker Rehabilitation\CADD\090001-68C89-017-TOS-03.dgn

8/9/2019 11:28:58 AM



PART PLAN - SPAN 6 (CON'T)



DEAD LOAD DEFLECTION DIAGRAM OF TRUSS

Includes weight of concrete only

Notes:

The dead load deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on sheets S23 thru S36.

The contractor is alerted that truss dead load deflection values shown were developed based on the concrete weight for the final in-service condition and are independent from the removal and replacement sequence shown on sheet S42.

FB indicates ℄ floorbeam.

*PEORIA/TAZEWELL

MODJESKI and MASTERS Experience great bridges.

USER NAME =	DESIGNED - YSS	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - ELK	REVISED -
PLOT DATE = 8/9/2019	CHECKED - YSS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - TRUSS SPANS - 4
MURRAY BAKER BRIDGE OVER ILLINOIS RIVER

SHEET S18 OF S145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90(10D-1)BRR	*	329	200
			CONTRACT NO. 68C89	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: T:\CADD Projects (Drawing Files)\IDOT\JN 3808 - Murray Baker Rehabilitation\CADD\0900001-68C89-018-TOS-04.dgn

8/9/2019 11:28:58 AM