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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. [SHEET 1 OF 17 SHEETS] STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	8
			CONTRACT NO. 68F38	
(ILLINOIS) FED. AID PROJECT * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	<div style="border: 1px dashed black; padding: 2px; display: inline-block;"> TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122 PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40 </div>				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	52		44	8				
		20101000	TEMPORARY FENCE	FOOT	150		150					
		20101400	NITROGEN FERTILIZER NUTRIENT	POUND	55		27	28				
		20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	55		27	28				
		20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	55		27	28				
		20200100	EARTH EXCAVATION	CU YD	4,660		3,380	1,280				
		20400800	FURNISHED EXCAVATION	CU YD	83	49	19	15				
		20800150	TRENCH BACKFILL	CU YD	1,343		727	610	6			
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	499		499					
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2,915		1,440	1,475				
		25000210	SEEDING, CLASS 2A	ACRE	1.0		0.5	0.5				
		25100630	EROSION CONTROL BLANKET	SQ YD	2,915		1,440	1,475				
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	61		30	31				
		28000400	PERIMETER EROSION BARRIER	FOOT	1,366		602	764				
		28000510	INLET FILTERS	EACH	77		39	38				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	9
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT) * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	<div style="display: flex; justify-content: space-between; font-size: 8px;"> <div style="width: 15%;">TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122</div> <div style="width: 15%;">PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN</div> <div style="width: 15%;">TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN</div> <div style="width: 15%;">TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40</div> </div>				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
		28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	2,915		1,440	1,475				
		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	6,342		4,932	1,410				
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	499		499					
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	935		935					
		40604090	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5L, MIX "C", N30	TON	70		70					
		42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SO YD	4,565		4,565					
		42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SO YD	1,410			1,410				
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	7,341		2,855	4,486				
*		42400800	DETECTABLE WARNINGS	SO FT	478		297	181				
		44000100	PAVEMENT REMOVAL	SO YD	6,486		4,756	1,730				
		44000500	COMBINATION CURB AND GUTTER REMOVAL	F00T	3,221		1,298	1,923				
		44000600	SIDEWALK REMOVAL	SO FT	10,285		7,299	2,986				
		44001980	CONCRETE BARRIER REMOVAL	F00T	2,265	2,265						
		44003100	MEDIAN REMOVAL	SO FT	8,828		5,517	3,311				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	10
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40			
*		50102400	CONCRETE REMOVAL	CU YD	499.2	499.2						
*		50157300	PROTECTIVE SHIELD	SQ YD	4,780	4,780						
*		50200100	STRUCTURE EXCAVATION	CU YD	68	68						
*		50300100	FLOOR DRAINS	EACH	3	3						
*		50300225	CONCRETE STRUCTURES	CU YD	103.9	103.9						
*		50300255	CONCRETE SUPERSTRUCTURE	CU YD	1,972.4	1,972.4						
*		50300260	BRIDGE DECK GROOVING	SQ YD	14,440	14,440						
*		50300300	PROTECTIVE COAT	SQ YD	30,140	30,140						
*		50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	278.2	278.2						
*		50400735	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BULB T-BEAMS 63"	FOOT	690	690						
*		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	508,190	508,190						
*		50800515	BAR SPLICERS	EACH	1,448	1,448						
*		50901750	PARAPET RAILING	FOOT	2,839	2,422	297	120				
*		51201600	FURNISHING STEEL PILES HP12X53	FOOT	135	135						

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 4 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	11
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT) * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	<div style="border: 1px dashed black; padding: 2px;"> TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122 PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40 PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH </div>				
	*	51202100	FURNISHING STEEL PILES HP14X117	FOOT	55	55				
	*	51202305	DRIVING PILES	FOOT	190	190				
	*	51203600	TEST PILE STEEL HP12X53	EACH	1	1				
	*	51204650	PILE SHOES	EACH	5	5				
	*	51500100	NAME PLATES	EACH	1	1				
	*	52000110	PREFORMED JOINT STRIP SEAL	FOOT	275	275				
	*	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	1	1				
	*	52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	7	7				
	*	52100510	ANCHOR BOLTS, 3/4"	EACH	2	2				
	*	52100530	ANCHOR BOLTS, 1 1/4"	EACH	26	26				
		52318802	DRAINAGE SYSTEM FOR STRUCTURES	L SUM	1	1				
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	678		418	260		
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	588		294	294		
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	207		64	143		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	12
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT)				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 1L 40 & ADAMS	PEORIA CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 1L 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & 1L 40			
		55100500	STORM SEWER REMOVAL 12"	FOOT	287		85	202				
		55100700	STORM SEWER REMOVAL 15"	FOOT	582		312	270				
		55100900	STORM SEWER REMOVAL 18"	FOOT	25			25				
		58700300	CONCRETE SEALER	SQ FT	2,252	2,252						
		60200205	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1					
		60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4		4					
		60203905	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			2				
		60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1					
		60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			2				
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	11		6	5				
		60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1		1					
		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2		2					
		60500040	REMOVING MANHOLES	EACH	6			6				
		60500050	REMOVING CATCH BASINS	EACH	1			1				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	13
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	<div style="border: 1px dashed black; padding: 2px;"> TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122 PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40 </div>				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
		60500060	REMOVING INLETS	EACH	19		13	6				
		60600605	CONCRETE CURB, TYPE B	FOOT	7		7					
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	416			416				
		60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	4,031		2,156	1,875				
		60620000	CONCRETE MEDIAN, TYPE SB-6.24	SO FT	1,647			1,647				
	*	64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2		1	1				
		66400505	CHAIN LINK FENCE, 8'	FOOT	371			371				
		66409800	CHAIN LINK GATES, 8' X 20' DOUBLE	EACH	1			1				
	*	66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1						
	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,140		570	570				
	*	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GAL	200		100	100				
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	5		3	2				
	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		0.5	0.5				
	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		0.5	0.5				

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SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & ADAMS	PEORIA CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & ADAMS	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
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*		66901006	REGULATED SUBSTANCES MONITORING	CAL DA	90		45	45				
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18						
		67000600	ENGINEER'S LABORATORY	CAL MO	18	18						
		67100100	MOBILIZATION	L SUM	1	1						
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	40	40						
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,812.5	2,812.5						
*		72000100	SIGN PANEL - TYPE 1	SQ FT	144		73	40		24	7	
*		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	11		4	7				
*		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3		2	1				
*		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3		2	1				
*		72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		1					
*		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	198		151	47				
*		78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	8,000			8,000				
*		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	585	140	164	281				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	*	286	14
CONTRACT NO. 68F38				
ILLINOIS FED. AID PROJECT				

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DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	15
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT) * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	<div style="border: 1px dashed black; padding: 2px;"> TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122 PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40 PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH </div>					
*		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14,620	6,049	6,298	2,273			
*		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2,874	830	1,390	654			
*		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	4,074	731	1,830	1,513			
*		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1,784	212	1,138	434			
*		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	717	67	436	214			
*		78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	789	191	213	385			
*		78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	14,193	6,049	5,871	2,273			
*		78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	2,874	830	1,390	654			
*		78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	4,074	731	1,830	1,513			
*		78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,449	212	802	435			
*		78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	717	102	334	281			
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	5,459		2,107	3,352			
*		80400100	ELECTRIC SERVICE INSTALLATION	EACH	2			1	1		
*		81028180	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/4" DIA.	FOOT	60			60			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	16
CONTRACT NO. 68F38				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 1L 40 & ADAMS	TAEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 1L 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & 1L 40			
*		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	158				158			
*		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	180				180			
*		81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	14						14	
*		81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	440				45			395
*		81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2,369	45			2,149	56	119	
*		81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	624					361	263	
*		81100400	CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL	FOOT	10				10			
*		81100454	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	75				75			
*		81100455	CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., STAINLESS STEEL	FOOT	25				25			
*		81104580	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	523	125			398			
*		81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	7,812	2,664			5,148			
*		81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	4				4			
*		81300730	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	1				1			
*		81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	1				1			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	17
			CONTRACT NO. 68F38	
ILLINOIS I. FED. AID PROJECT				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 1L 40 & ADAMS	TAEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 1L 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & 1L 40			
*		81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2				2			
*		81301290	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 12" X 12" X 6"	EACH	4				4			
*		81301370	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	6	6						
*		81400300	DOUBLE HANDHOLE	EACH	2				2			
*		81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2						2	
*		81400710	HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2						2	
*		81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1							1
*		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	11,706	8,881			929			1,896
*		81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	30,915				28,238	2,147	530	
*		81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	138				138			
*		81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	2,695	2,595			100			
*		81800450	AERIAL CABLE, 4-1/C NO. 8 WITH MESSENGER WIRE	FOOT	2,259				2,259			
*		82110003	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION C	EACH	24				24			
*		82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	24				24			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 11 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	18
			CONTRACT NO. 68F38	
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40	PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 ILL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 ILL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
*	*	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	24				16			8
*	*	82200606	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PARAPET MOUNTED	EACH	4	4						
*	*	82200607	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 360 DEGREE GREEN, PARAPET MOUNTED	EACH	2	2						
*		82500320	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 60AMP	EACH	1				1			
*		83004600	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	8				8			
*		83057345	LIGHT POLE, WOOD, 60 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2				2			
*		83060220	LIGHT POLE, GALVANIZED STEEL, 35 FT. M.H., 8 FT. MAST ARM	EACH	1				1			
*		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	31							31
*		83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	116				116			
*		83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	8				8			
		84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	27				27			
		84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	14				13			1
		84200804	REMOVAL OF POLE FOUNDATION	EACH	2				1			1
		84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1				1			
		84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1				1			
		85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	1					1		

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 12 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	19
			CONTRACT NO. 68F38	
ILLINOIS FED. AID PROJECT * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	 TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122 PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
*		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,238					875	1,363	
		85100800	PAINT NEW COMBINATION MA5T ARM AND POLE, UNDER 40 FOOT	EACH	1					1		
*		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,360					1,913	1,447	
		85100901	PAINT NEW COMBINATION MA5T ARM AND POLE, 40 FOOT AND OVER	EACH	1					1		
*		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,519					871	648	
*		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	895					895		
*		87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	4					1	3	
*		87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	4					3	1	
*		87702930	STEEL COMBINATION MA5T ARM ASSEMBLY AND POLE 40 FT.	EACH	1					1		
*		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15					3	12	
*		87702985	STEEL COMBINATION MA5T ARM ASSEMBLY AND POLE 52 FT.	EACH	1					1		
*		87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	27						27	
*		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28					28		
*		87900200	DRILL EXISTING HANDHOLE	EACH	5				1	2	2	
*		88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MA5T-ARM MOUNTED	EACH	5					5		
*	*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2					2		
*		88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1					1		
*	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10					6	4	
*		88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MA5T ARM MOUNTED	EACH	1					1		
		89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2					1	1	
*		88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9					9		
		89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	6						6	
		89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3						3	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	20
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT) * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122				PEORIA CO 80% FED 10% STATE OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40				
*		89501300	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	1						1	
*	*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1						1	
*	*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2					1	1	
		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	23,763	7,893			15,870			
		89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,890				666			1,224
	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2					1	1	
		89502380	REMOVE EXISTING HANDHOLE	EACH	3				1	1	1	
*		89502376	REBUILD EXISTING HANDHOLE	EACH	2					2		
		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8					3	5	
	*	Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	4	4						
	*	Z0004552	APPROACH SLAB REMOVAL	SQ YD	643	643						
	*	Z0012142	BRIDGE DECK SCARIFICATION 2 1/4"	SQ YD	19,861	19,861						
	*	Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	20,436	20,436						
	*	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	44	44						
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	400		400					

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	21
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT)				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40			
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
	*	Z0016702	DETOUR SIGNING	L SUM	1	1						
	*	Z0018000	DRAINAGE SCUPPERS (SPECIAL)	EACH	21	21						
	*	Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	35	35						
	*	Z0018004	DRAINAGE SCUPPERS, DS-12	EACH	2	2						
	*	Z0018005	DRAINAGE SCUPPERS, DS-12M10	EACH	16	16						
	*	Z0022800	FENCE REMOVAL	FOOT	272			272				
	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	10				10			
	*	Z0034393	MODULAR EXPANSION JOINT 9"	FOOT	78	78						
	*	Z0034396	MODULAR EXPANSION JOINT 12"	FOOT	154	154						
	*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
	*	X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1					1		
	*	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	3			1	2			
	*	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	5			3	2			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	22
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT) * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	TAXES				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 1L 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 1L 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & 1L 40			
	*	X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	17		7	10				
	*	X0323371	VIDEO VEHICLE DETECTION, 1 CAMERA	EACH	1						1	
	*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	260						260	
		X0326225	PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	3					3		
	*	X0326502	FIBER OPTIC SPLICE	L SUM	1				1			
	*	X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	5							5
	*	X0326812	CAT 5 ETHERNET CABLE	FOOT	654					276	378	
	*	X0327485	MAST ARM, STREET LIGHTING, 15'	EACH	1			1				
	*	X0327586	REMOVE AND REPLACE FUSE KIT	EACH	1			1				
	*	X0328019	REMOVE, STORE, & RE-ERECT MSE PANELS	SQ FT	75	75						
	*	X1400115	TEMPORARY WATERWAY OBSTRUCTION WARNING LIGHTING SYSTEM	L SUM	1			1				
	*	X1400210	LIGHT POLE, SPECIAL, 12'	EACH	25			25				
	*	X1400268	REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	11			11				
		X1400368	RELOCATED EXISTING PTZ CAMERA	EACH	1					1		
	*	X1700003	SIDEWALK REMOVAL (SPECIAL) WITH PARAPET WALL	CU YD	1,016.8	1,016.8						
	*	X1700122	MOMENT SLAB REMOVAL	CU YD	241.6	241.6						

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 16 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	23
			CONTRACT NO. 68F38	
(ILLINOIS FED. AID PROJECT * PEORIA / TAZEWELL				

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	1				PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 1L 40 & TRACTOR/RIVER	PEORIA CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 1L 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
						TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & 1L 40			
*		X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	1,367		435	932				
*		X5091730	BRIDGE FENCE RAILING (SPECIAL)	FOOT	2,702	2,702						
*		X6020054	JUNCTION BOX REMOVED	EACH	2			2				
*		X6020082	INLETS, TYPE G-1	EACH	7		4	3				
*		X6020210	CATCH BASINS, TYPE G-1	EACH	2			2				
*		X6020502	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 22 FRAME AND GRATE (SPECIAL)	EACH	4		4					
*		X6021814	INLET-MANHOLE, TYPE G-1, 4' DIAMETER	EACH	4		1	3				
*		X6021815	INLET-MANHOLE, TYPE G-1, 5' DIAMETER	EACH	1		1					
*		X6021816	INLET-MANHOLE, TYPE G-1, 6' DIAMETER	EACH	3		1	2				
*		X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	3,133		856	2,277				
*		X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	417		297	120				
*		X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2		1	1				
*		X6640210	TEMPORARY CHAIN LINK FENCE (PORTABLE)	FOOT	6,286	6,286						
*		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
*		X8100863	INTERCEPT EXISTING COUNDUIT	EACH	1					1		

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	TOTAL	TAZEWELL CO 80% FED 20% STATE BRIDGE 0047 SN 090-0122	PEORIA CO 80% FED 20% STATE ROADWAY 0004 URBAN	TAZEWELL CO 80% FED 20% STATE ROADWAY 0006 URBAN	TAZEWELL CO 80% FED 20% STATE HWY LIGHT 0021 SN 090-0122 & IL 40	PEORIA CO 80% FED 10% STATE 10% CITY OF PEORIA SIGNALS 0021 IL 40 & ADAMS	TAZEWELL CO 80% FED 10% STATE 10% CITY OF E. PEORIA SIGNALS 0021 IL 40 & TRACTOR/RIVER	PEORIA CO 100% CITY (PEORIA) PED LIGHTING 0021 SHARED USE PATH
*	*	X8300001	LIGHT POLE, SPECIAL	EACH	4				4			
	*	X8420120	REMOVAL OF EXISTING NAVIGATION LIGHTING UNIT, NO SALVAGE	EACH	6	6						
	*	X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	459				459			
	*	X8440102	RELOCATE EXISTING LUMINAIRE	EACH	3				3			
	*	X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	EACH	2,860				2,860			
	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	20					10	10	
	*	X8951011	REMOVE AERIAL CABLE	FOOT	4,953	2,595			2,358			
	*	83060516	LIGHT POLE, GALVANIZED STEEL, 50FT.M.H., 6FT.DAVIT ARM, TWIN	EACH	12				12			
∅		Z0076600	TRAINEES	HOUR	2,000		2,000					
	*	X1400450	REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	1						1	
∅		Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	2,000		2,000					

∅ 0042

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	DRAWN - JPM	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BOB MICHEL BRIDGE REHABILITATION
 SUMMARY OF QUANTITIES

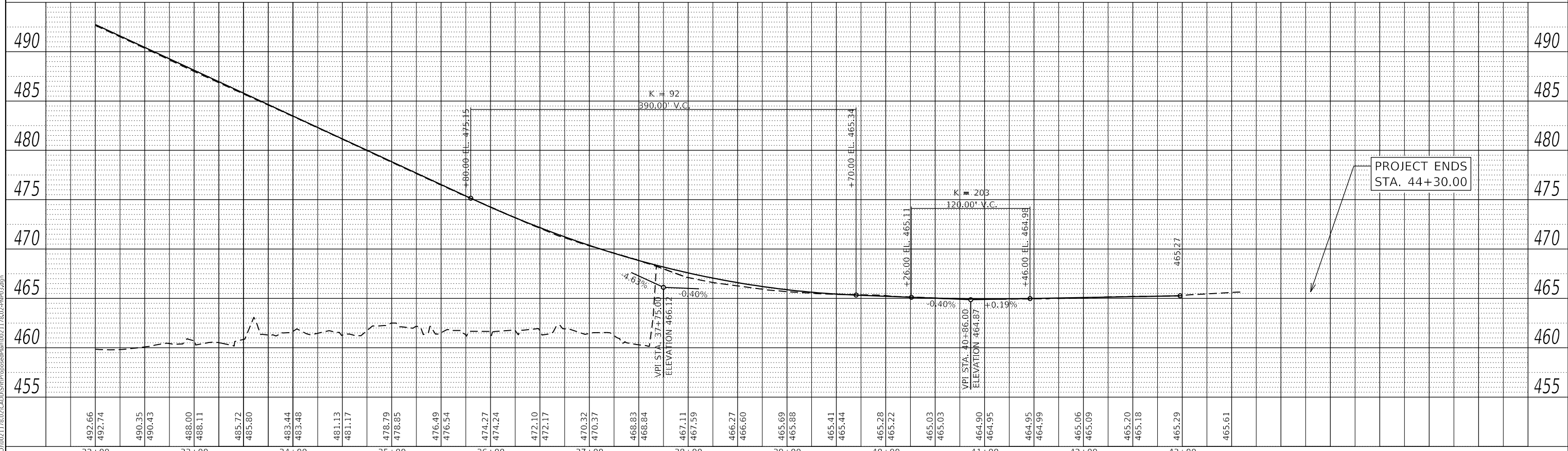
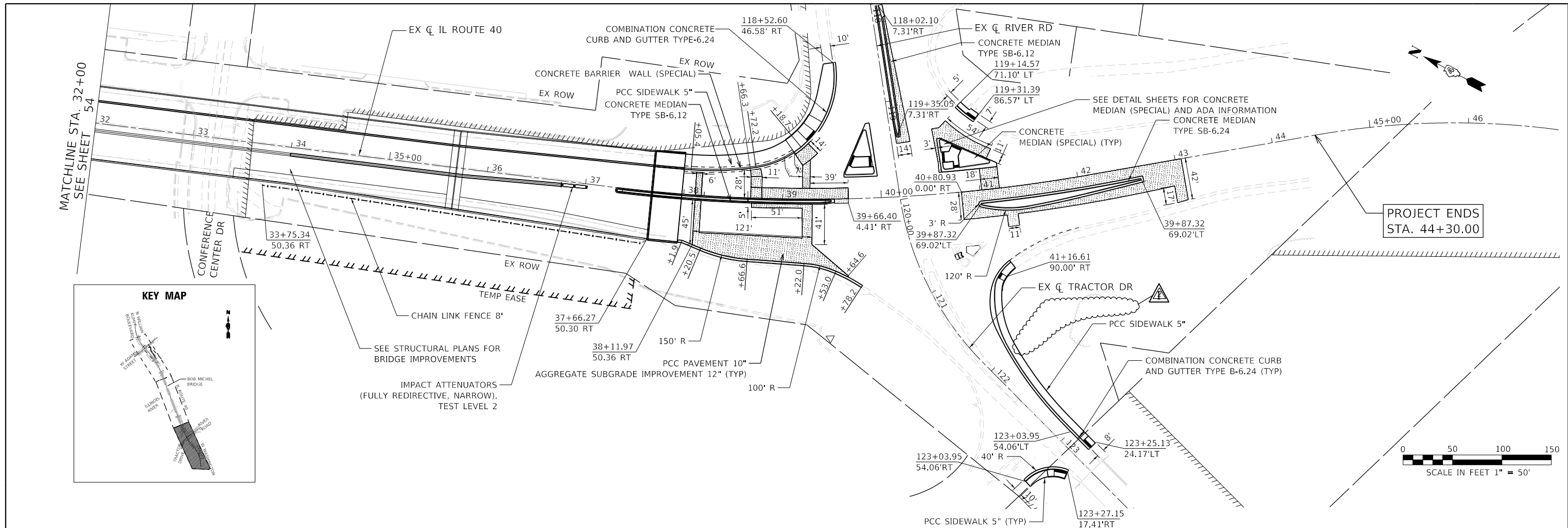
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	24
CONTRACT NO. 68F38				
[ILLINOIS] FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	
	BY	

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 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = Roadway DESIGNED - JPM DRAWN - JPM CHECKED - JPA DATE - 8/24/2022	REVISED 11/2/22 EPS REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOB MICHEL BRIDGE REHABILITATION PLAN AND PROFILE - IL ROUTE 40	F.A.P. RTE. 404 SECTION 50 (BDR, BJR, BRR, L) COUNTY * TOTAL SHEETS 286 SHEET NO. 55 CONTRACT NO. 68F38	SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 32+00 TO STA. 44+00	ILLINOIS FED. AID PROJECT
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BENCHMARK:

BM # 904 - Chiseled square cut on southern most point of the westerly parapet wall of the Bob Michel Bridge.
Sta. 37+85.7, Offset 49.7' Rt., El = 470.877.

EXISTING STRUCTURE:

S.N. 090-0122 (Bob Michel Bridge) carrying IL 40 over the Illinois River was originally constructed in 1993 under contract 88221 as Section 50. The structure consists of a 8" (8 1/2" for the river spans) reinforced concrete deck on continuous prestressed concrete (PPC) Bulb-T beams in the east (8 spans) and west (6 spans) approach spans and continuous composite steel plate girders in the river spans (3 spans). The total length of the structure is approximately 2,365'-0" from the back of the West Abutment to back of the East Abutment and the out-to-out width varies from 100'-11 1/4" to 76'-3" at the west approach, from 76'-3" to 91'-8 3/8" at the east and is constant at 76'-3" in the river bridge.

The existing substructure consists of two reinforced concrete abutments on HP-piles, 3 reinforced concrete dual-column piers (river piers) on concrete shafts, 12 reinforced concrete multicolumn piers on HP-piles and one solid wall pier. The Bridge will be closed to traffic during the rehabilitation, but pedestrian access will be maintained.

LOADING HS20-44

No Allowance for Future Wearing Surface

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th Edition (Bridge Deck Widening)
2020 AASHTO LRFD Bridge Design Specifications - 9th Edition (Moment Slab, Approach Slab)

SEISMIC DATA

Seismic Performance Category: A

Horizontal Bedrock Acceleration (A) = .045
Site Coefficient (S) = 2.0

SCOPE OF WORK

1. Remove sidewalk, median barrier and parapets on both sides of the bridge, scarify deck and construct microsilica overlay. Construct new traffic barriers, median and Multi-use path. The cross slope will be revised to accommodate the new traffic lanes configuration and the multi-use path. The new traffic and median barriers will be constant slope, 39" TL-4 barriers.
2. Widen superstructure at Spans 14, 15, 16 and 17, extend Piers 15 & 16
3. Remove and replace expansion joints.
4. Perform substructure repairs.
5. Replace drainage scuppers.
6. Replace North and South moment slab along MSE walls at West Abutment.
7. Replace Approach Slabs.

EXIST. Q IL 40

CURVE #1

P.C. Sta. 11+50.101
P.T. Sta. 19+37.206
P.I. Sta. 15+48.326
Δ = 21° 28' 30" (R)
R = 2100.00'
L = 787.105'
D = 2° 43' 42"
T = 398.225'
E = 37.425'
S.E. = 0.25'/FT
Super Runoff
Sta. 10+94.00 to 12+17.00
Tangent Runout
Sta. 10+17.00 to 10+94.00
Super Runoff
Sta. 18+70.00 to 19+93.00
Tangent Runout
Sta. 19+93.00 to 20+70.00

DESIGN STRESSES

Field Units- Existing Construction

Cast in Place Concrete:
f'c = 3,500 psi
fy = 60,000 psi

Prestressed Concrete:
f'c = 6,000 psi
f'ci = 4,800 psi
f's = 270,000 psi
f'si = 201,960 psi

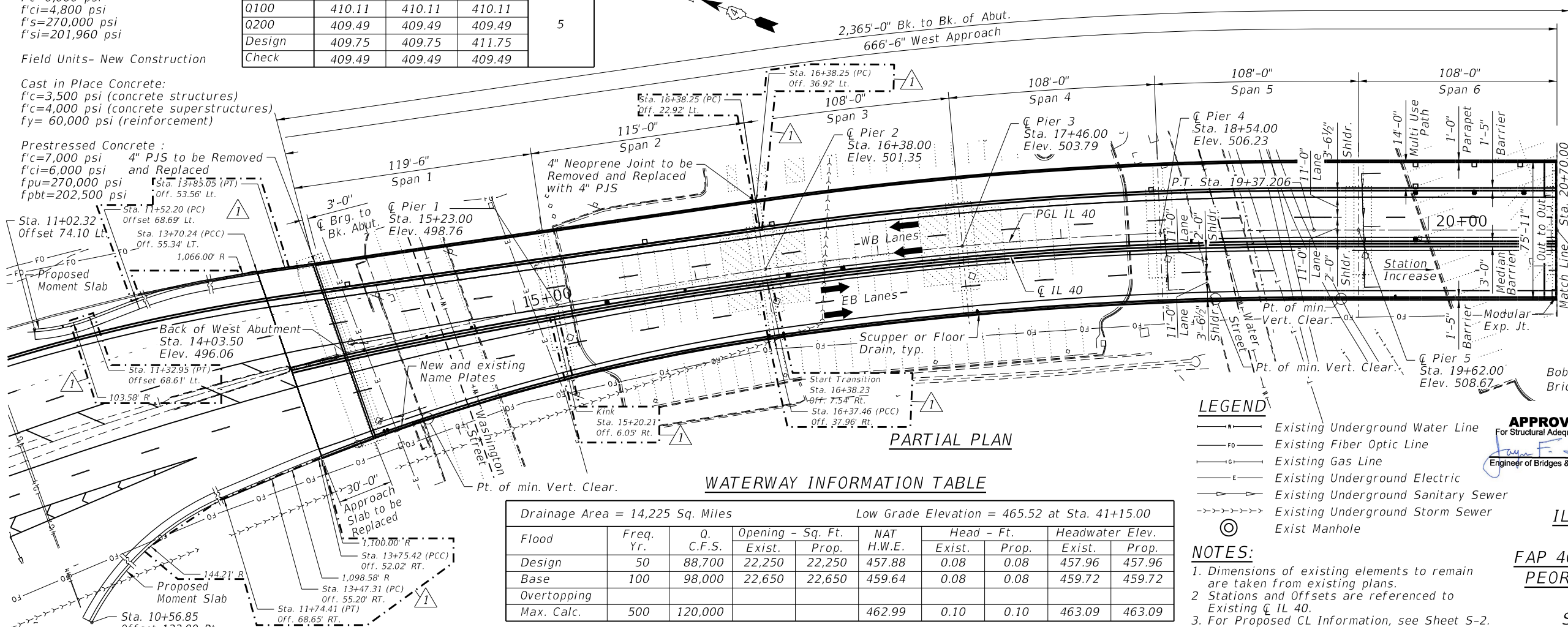
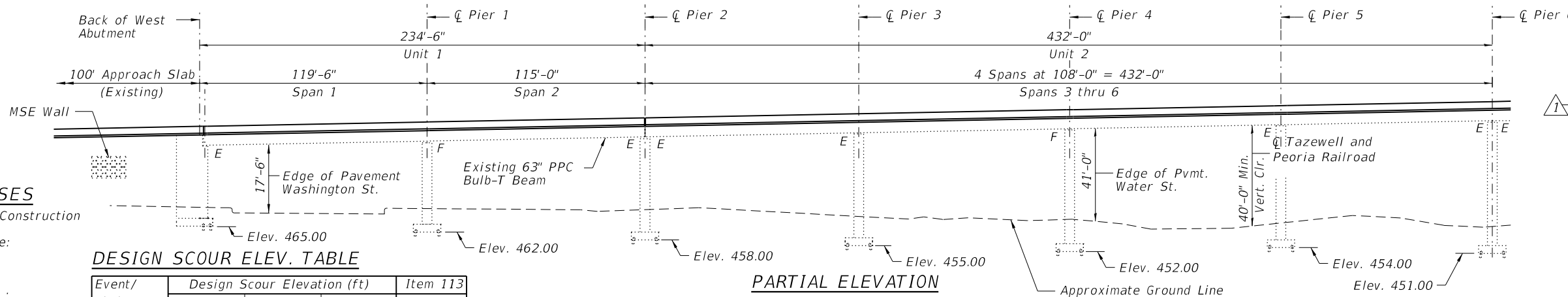
Field Units- New Construction

Cast in Place Concrete:
f'c = 3,500 psi (concrete structures)
f'c = 4,000 psi (concrete superstructures)
fy = 60,000 psi (reinforcement)

Prestressed Concrete:
f'c = 7,000 psi 4" PJS to be Removed
f'ci = 6,000 psi and Replaced
f'pu = 270,000 psi
f'pbt = 202,500 psi

DESIGN SCOUR ELEV. TABLE

Event/ Limit State	Design Scour Elevation (ft)			Item 113
	Pier 7	Pier 8	Pier 9	
Q100	410.11	410.11	410.11	5
Q200	409.49	409.49	409.49	
Design	409.75	409.75	411.75	
Check	409.49	409.49	409.49	



WATERWAY INFORMATION TABLE

Drainage Area = 14,225 Sq. Miles Low Grade Elevation = 465.52 at Sta. 41+15.00

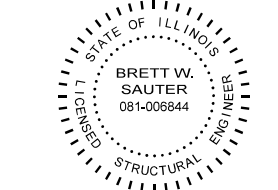
Flood	Freq. Yr.	Q. C.F.S.	Opening - Sq. Ft.		NAT H.W.E.	Head - Ft.		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	88,700	22,250	22,250	457.88	0.08	0.08	457.96	457.96
Base	100	98,000	22,650	22,650	459.64	0.08	0.08	459.72	459.72
Overtopping									
Max. Calc.	500	120,000			462.99	0.10	0.10	463.09	463.09

LEGEND

- Existing Underground Water Line
- Existing Fiber Optic Line
- Existing Gas Line
- Existing Underground Electric
- Existing Underground Sanitary Sewer
- Existing Underground Storm Sewer
- Exist Manhole

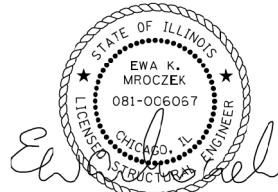
NOTES:

1. Dimensions of existing elements to remain are taken from existing plans.
2. Stations and Offsets are referenced to Existing Q IL 40.
3. For Proposed CL Information, see Sheet S-2.

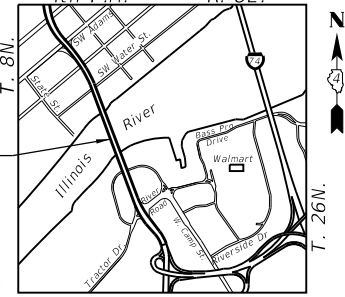


DATE: 11/2/2022
SEAL EXPIRES: 11/30/2022

Applies to Sheets S-1 to S-79 and S-86 to S-122



COLLINS ENGINEERS, INC.
EWA MROCZEK, S.E., P.E.
NO. 081-006067
EXP: 11/30/2022
Applies to Sheets S-80 to S-85 and S-86 to S-122
Q Pier 6, Sta. 20+70.00, Elev. 511.10
4th P.M. R. 8E.



GENERAL PLAN (1 OF 3)
IL 40 OVER ILLINOIS RIVER
(PUBLIC WATERS)

FAP 404 SEC. 50 (BDR, BJR, BRR, L)
PEORIA AND TAZEWELL COUNTIES
STATION 25+20
STRUCTURE NO. 090-0122



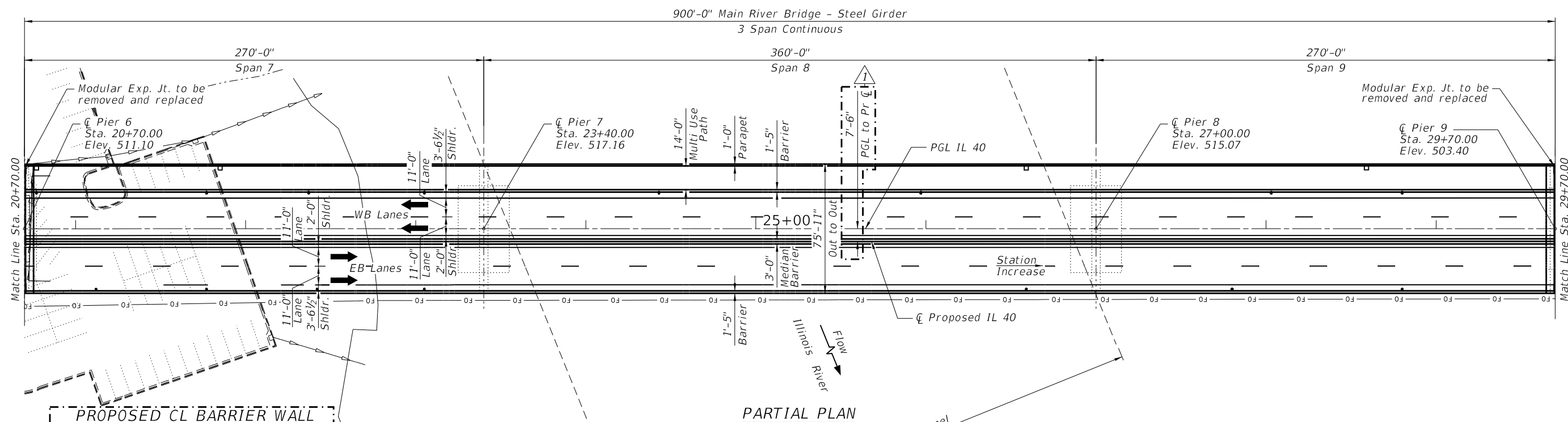
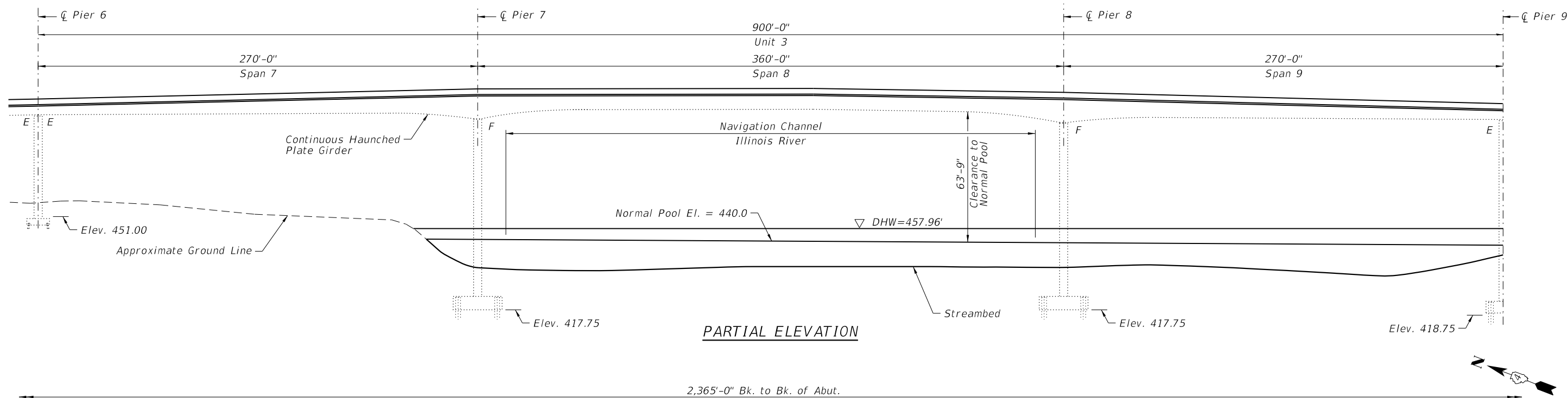
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PLOT DATE = 11/2/2022	DATE - 11/2/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION I
STRUCTURE NO. 090-0122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)		286	132
CONTRACT NO. 68F38				

SHEET S-1 OF S-122 SHEETS



PROPOSED CL BARRIER WALL

Location	Station	Offset
End Approach	13+74.02	1.35' Rt.
End Deck	14+05.48	2.41' Rt.
Kink	15+20.21	6.05' Rt.
Start Transition	16+38.23	7.54' Rt.
End Transition	19+37.21	7.50' Rt.

Offset is constant at 7.50' from Sta. 19+37.21 to Sta. 35+75.76

PROPOSED CL BARRIER WALL

Location	Station	Offset
Start Transition	35+75.76	7.50' Rt.
End Wall/Transition	36+75.81	4.16' Rt.

NOTE:
1. Dimensions of existing elements to remain are taken from existing plans.

GENERAL PLAN (2 OF 3)
IL 40 OVER ILLINOIS RIVER
(PUBLIC WATERS)
FAP 404 SEC. 50 (BDR, BJR, BRR, L)
PEORIA AND TAZEWELL COUNTIES
STATION 25+20
STRUCTURE NO. 090-0122

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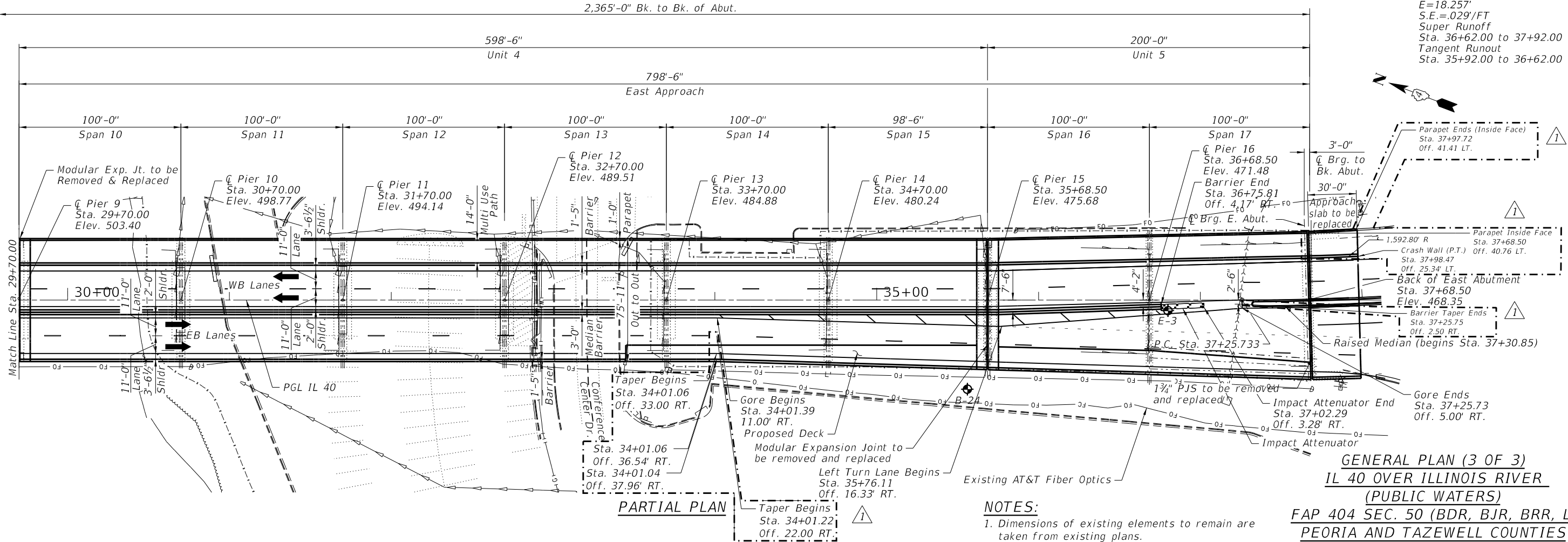
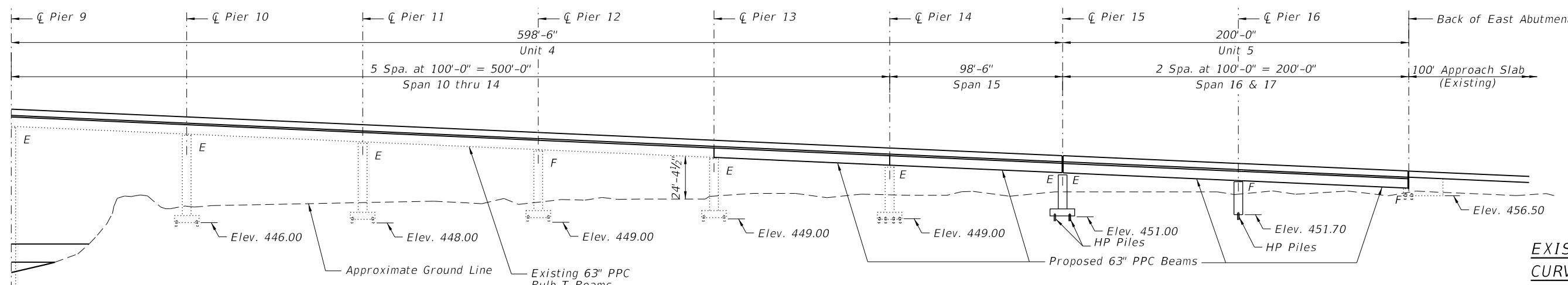
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION II
STRUCTURE NO. 090-0122

SHEET 5-2 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	133
CONTRACT NO. 68F38				
ILLINOIS FED. AID PROJECT				

REV. 11/5/22



NOTES:
 1. Dimensions of existing elements to remain are taken from existing plans.
 2. For Proposed CL Information, see Sheet S-2.

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	DATE - 11/2/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION III
 STRUCTURE NO. 090-0122

SHEET S-3 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	134
CONTRACT NO. 68F38				

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- S-4 Index of Sheet and Bill of Material
- S-5 General Notes
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- S-7 Concrete Removal Superstructure II
- S-8 Concrete Removal Superstructure III
- S-9 Concrete Removal Superstructure IV
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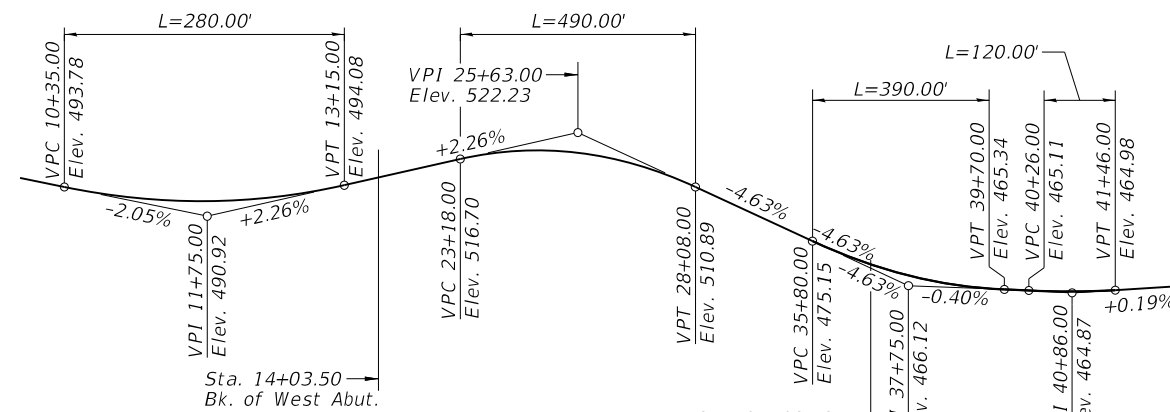
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- S-122 Concrete Parapet Slip Forming Option

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SUB	SUPER	TOTAL
Concrete Barrier Removal	Foot		2,265	2,265
Concrete Removal	Cu Yd		499.2	499.2
Protective Shield	Sq Yd		4,780	4,780
Structure Excavation	Cu Yd	68		68
Floor Drains	Each		3	3
Concrete Structures	Cu Yd	103.9		103.9
Concrete Superstructure	Cu Yd		1,972.4	1,972.4
Bridge Deck Grooving	Sq Yd		14,440	14,440
Protective Coat	Sq Yd		30,140	30,140
Concrete Superstructure (Approach Slab)	Cu Yd		278.2	278.2
Furnishing And Erecting Precast Prestressed Concrete Bulb T-Beams 63"	Foot		690	690
Reinforcement Bars, Epoxy Coated	Pound	6,500	501,690	508,190
Bar Splicers	Each	68	1,380	1,448
Parapet Railing	Foot		2,422	2,422
Furnishing Steel Piles Hp12X53	Foot	135		135
Furnishing Steel Piles Hp14X117	Foot	55		55
Driving Piles	Foot	190		190
Test Pile Steel Hp12X53	Each	1		1
Pile Shoes	Each	5		5
Name Plates	Each		1	1
Preformed Joint Strip Seal	Foot		275	275
Elastomeric Bearing Assembly, Type I	Each		1	1
Elastomeric Bearing Assembly, Type II	Each		7	7
Anchor Bolts, 3/4"	Each		2	2
Anchor Bolts, 1 1/4"	Each		26	26
Drainage System For Structures	L Sum		1	1
Concrete Sealer	Sq Ft	2,252		2,252
Removal Of Existing Concrete I-Beam	Each		4	4
Bridge Deck Scarification 2 1/4"	Sq Yd		19,861	19,861
Bridge Deck Microsilica Concrete Overlay 2 1/4"	Sq Yd		20,436	20,436
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	44		44
Drainage Scuppers (Special)	Each		21	21
Drainage Scuppers, DS-11	Each		35	35
Drainage Scuppers, DS-12	Each		2	2
Drainage Scuppers, DS-12M10	Each		16	16
Modular Expansion Joint 9"	Foot		78	78
Modular Expansion Joint 12"	Foot		154	154
Remove, Store, & Re-Erect Mse Panels	Sq Ft	75		75
Sidewalk Removal (Special) With Parapet Wall	Cu Yd		1,016.8	1,016.8
Moment Slab Removal	Cu Yd		241.6	241.6
Bridge Fence Railing (Special)	Foot		2,702	2,702

1



PROFILE GRADE
(Along Exist. \bar{c} Roadway)

STATION 25+20.00
RE-BUILT 202_ BY
STATE OF ILLINOIS
F.A.P. RT. 404 SEC. 50 (BDR, BJR, BRR, L)
LOADING HS20-44
STRUCTURE NO. 099-0122

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

NAME PLATE
See Std. 515001

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	DATE - 11/02/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEET AND BILL OF MATERIAL
STRUCTURE NO. 099-0122

SHEET 5-4 OF S-122 SHEETS

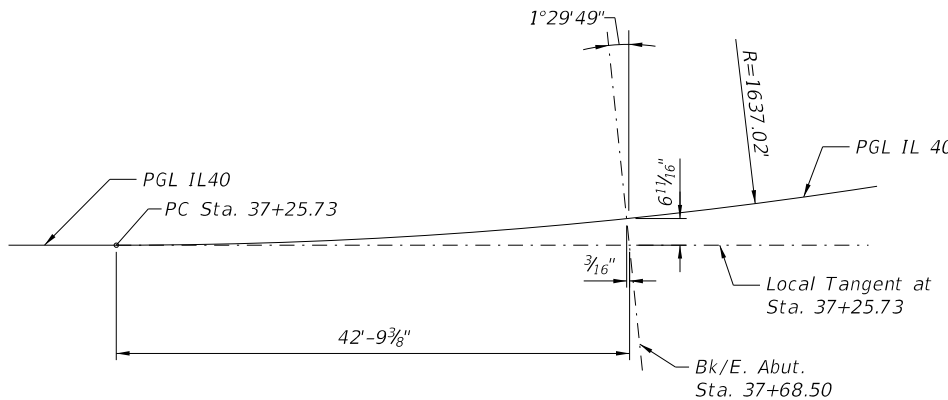
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	135
CONTRACT NO.			286	135
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

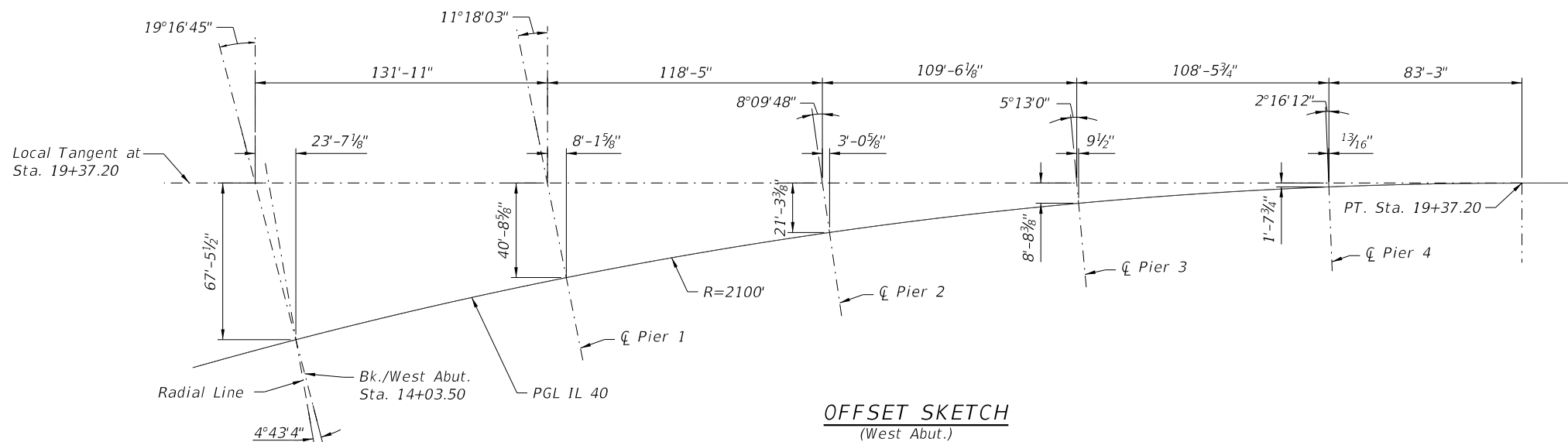
1. Reinforcement bars designated (E) shall be epoxy coated.
2. All structural steel shall be AASHTO M270 Grade 50.
3. Concrete Sealer shall be applied to the abutment bearing seats and backwalls (including the abutment hatch block on backwalls) and top of pier caps above expansion joints.
4. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor 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.
5. Demolition and construction activities shall be conducted in such a way that no debris fall into the River. Activities shall also be coordinated with the United States Coast Guard (USCG) and the Tazewell and Peoria Railroad (TPRR). No additional compensation or time will be allowed for USCG or TPRR coordination.
6. Parapets, Median and sidewalk removal debris shall not be left on the bridge deck but shall be removed as they are produced.
7. 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.
8. 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. Cost included with "Concrete Removal".
9. If the contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
10. 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.
11. No field welding is permitted except as specified in the contract documents.
12. Parapet slipforming allowed where indicated in the table on this sheet.

SLIPFORM ALLOWANCE

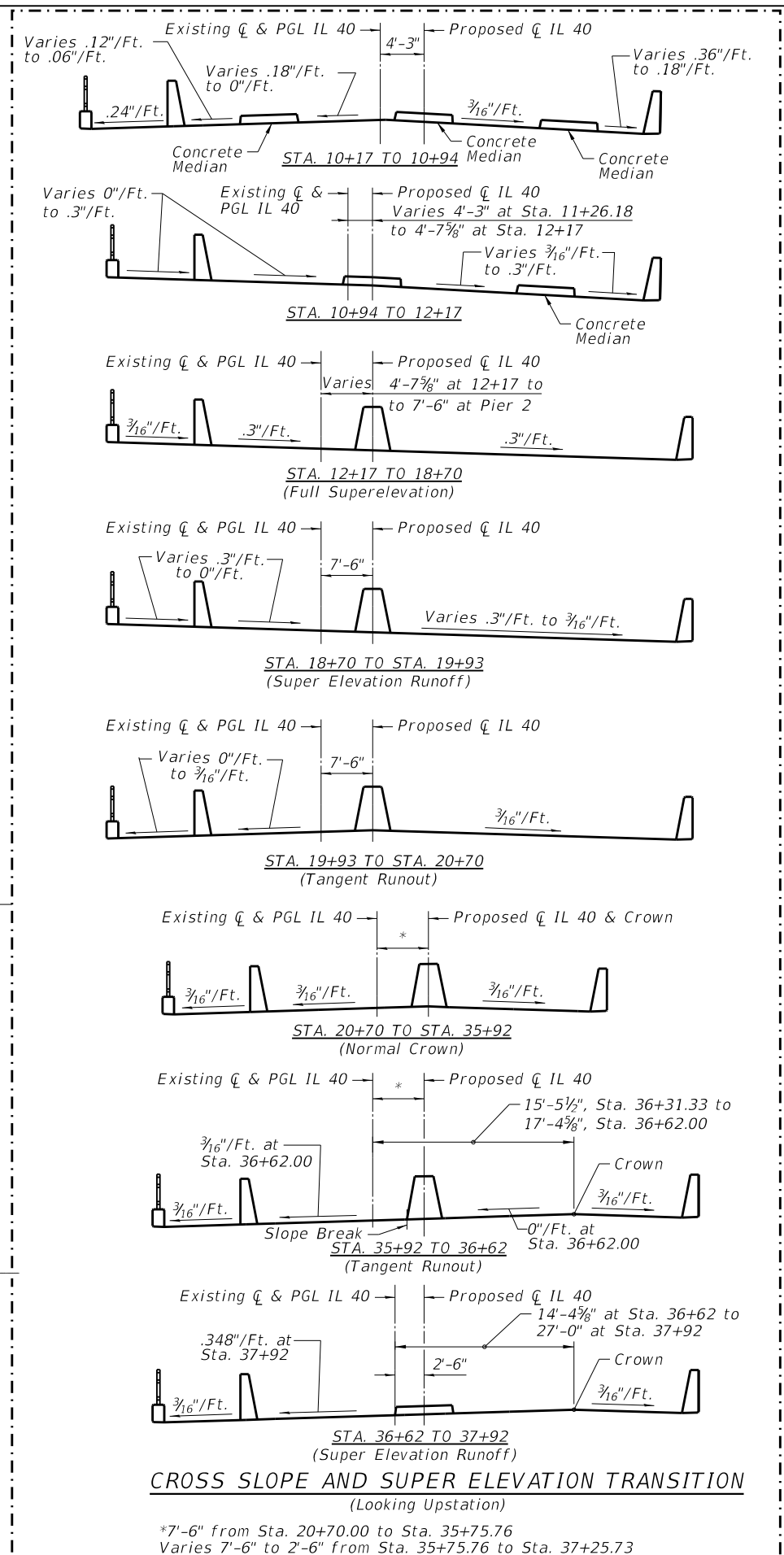
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14+03.50 - 16+38.00	Allowed	Not Allowed	Allowed
16+38.00 - 30+70.00	Allowed	Allowed	Allowed
30+70.00 - 35+68.50	Allowed	Not Allowed	Allowed
35+68.50 - 37+68.50	Allowed	Allowed	Not Allowed



OFFSET SKETCH
(East Abut.)



OFFSET SKETCH
(West Abut.)



CROSS SLOPE AND SUPER ELEVATION TRANSITION
(Looking Upstation)

*7'-6" from Sta. 20+70.00 to Sta. 35+75.76
Varies 7'-6" to 2'-6" from Sta. 35+75.76 to Sta. 37+25.73

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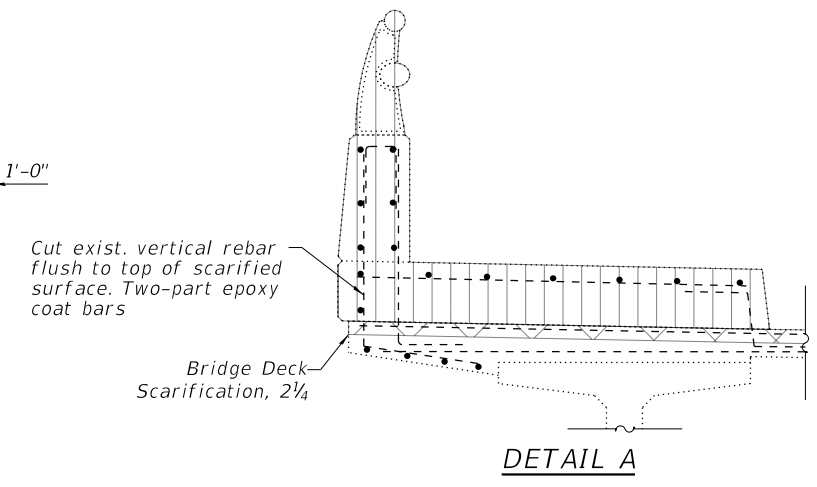
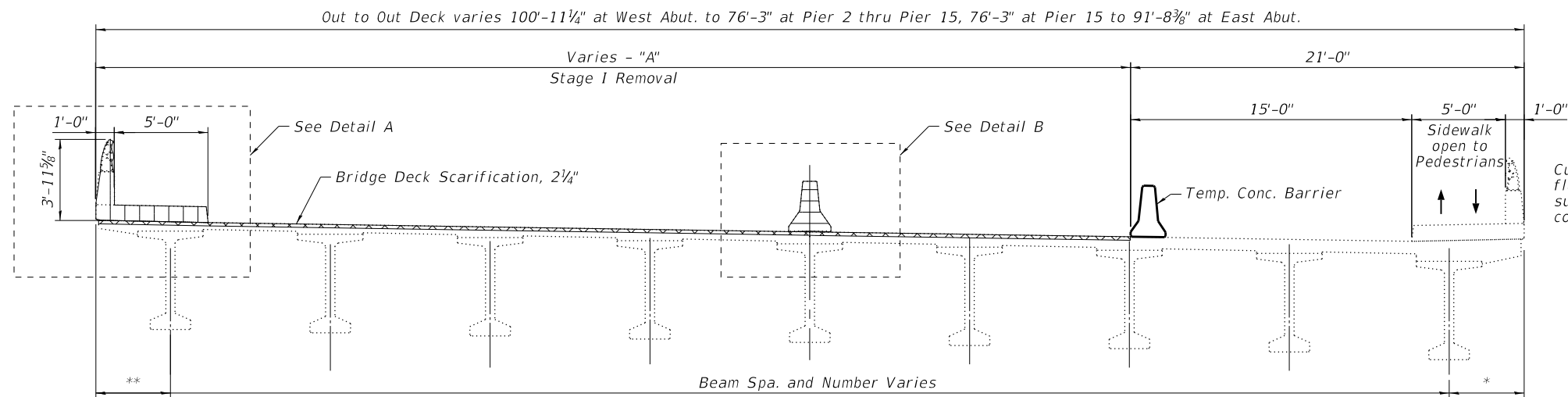
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

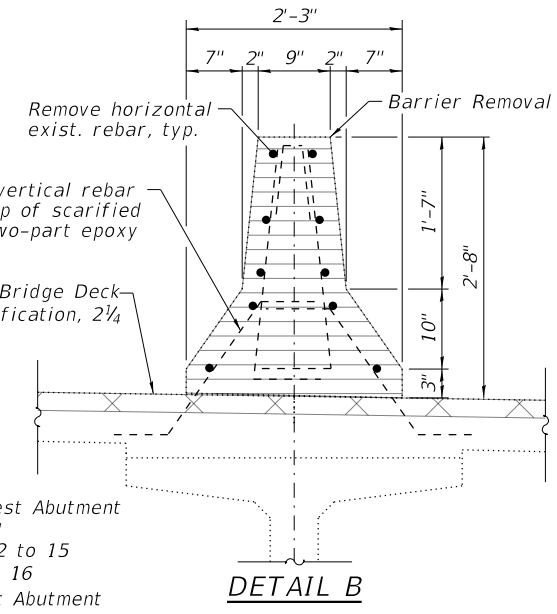
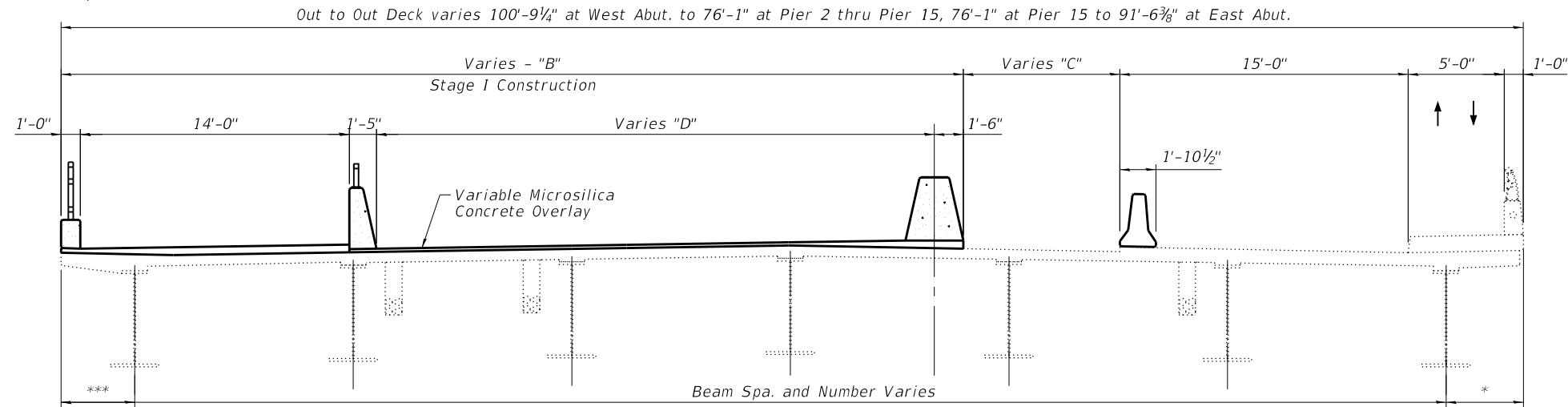
GENERAL NOTES
STRUCTURE NO. 090-0122

SHEET 5-5 OF S-122 SHEETS

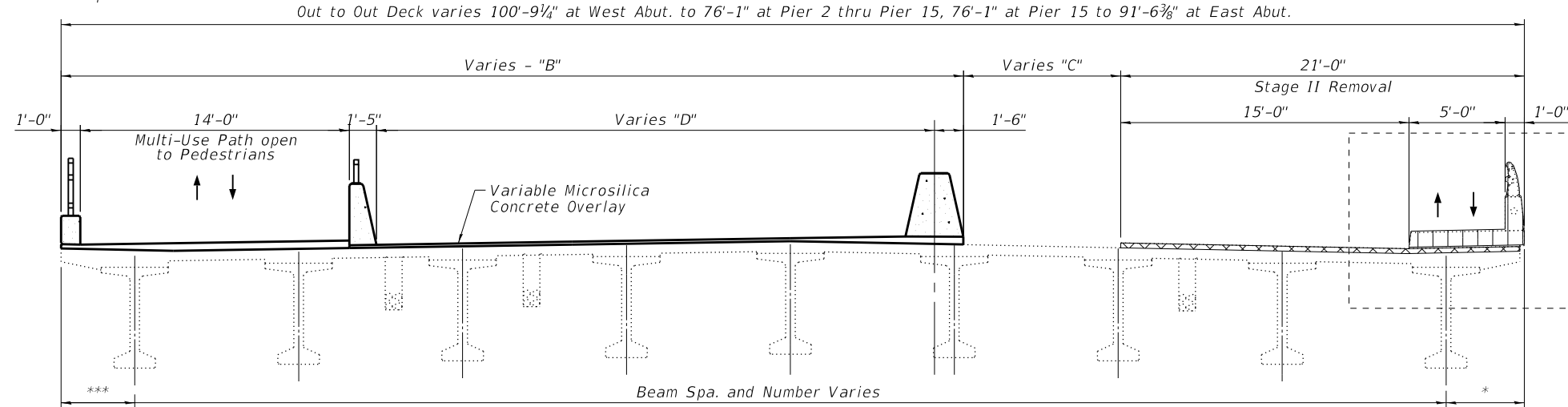
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404	50 (BDR, BJR, BRR, L)		286	136
CONTRACT NO. 68F38				



STAGE I REMOVAL SPANS 1-17
(Looking East - Showing Spans 1-6)



STAGE I CONSTRUCTION SPANS 1-17
(Looking East - Showing Spans 7-9)



- "A" = 79'-11 1/4" at West Abutment
61'-2" at Pier 1
55'-3" at Pier 2 to 15
56'-3 1/4" at Pier 16
70'-8 3/8" at East Abutment
- "B" = 55'-9" at West Abutment
48'-9" at Pier 1
46'-11 1/2" at Piers 2 to 15
46'-1" at Pier 16; 45'-9" at East Abutment
- "C" = 24'-0 1/4" at West Abutment
12'-3" at Pier 1
8'-1 1/2" at Pier 2 to 15
10'-0 1/4" at Pier 16
24'-9 3/8" at East Abutment
- "D" = 37'-10" at West Abutment
30'-10" at Pier 1
29'-0 1/2" at Pier 2 to 15
28'-2" at Pier 16
27'-10" at East Abutment

LEGEND

- Concrete Removal
- Bridge Deck Scarification, 2 1/4"
- Removal of Existing Concrete I-Beam
- Concrete Barrier Removal
- Sidewalk Removal (Special) with Parapet Wall

NOTE:
Cost of rail removal is included in Sidewalk Removal (Special) with Parapet Wall

STAGE II REMOVAL SPANS 1-13 (UP TO STA 33+45.00)
(Looking East - Showing Spans 10-12)

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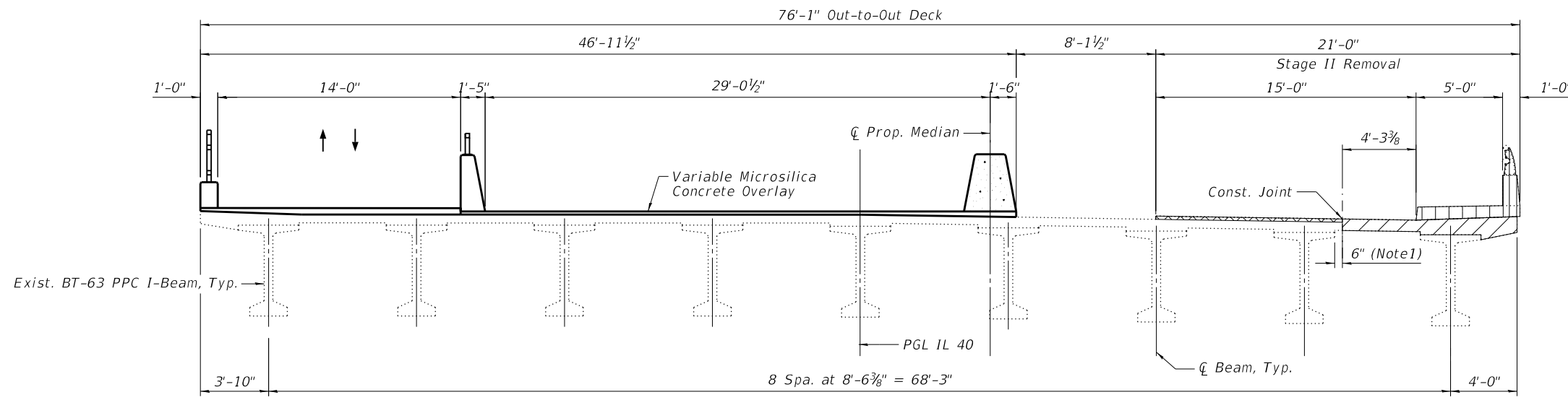
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

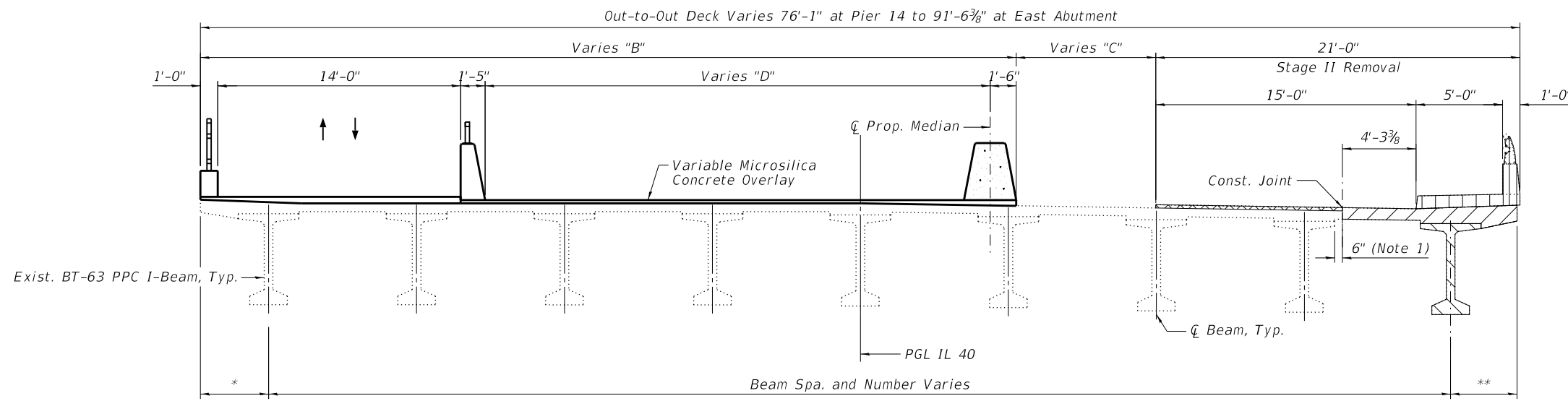
CONCRETE REMOVAL SUPERSTRUCTURE III
STRUCTURE NO. 090-0122

SHEET S-8 OF S-122 SHEETS

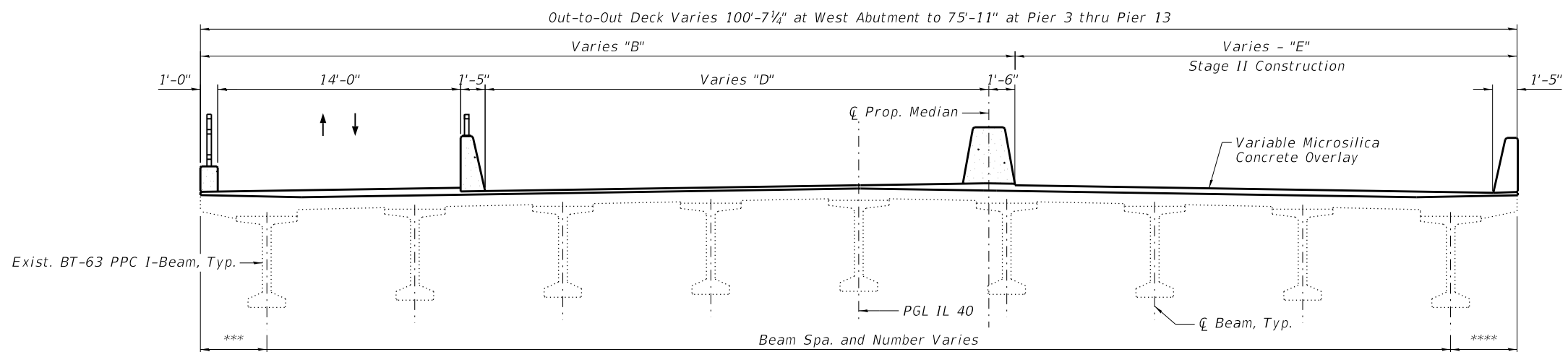
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	139
CONTRACT NO. 68F38				



STAGE II REMOVAL STA 33+45.00 TO PIER 13
(Looking East)



STAGE II REMOVAL SPANS 14 - 17
(Looking East - Showing Span 14)



STAGE II CONSTRUCTION SPANS 1-13 (UP TO STA 33+45.00)
(Looking East - Showing Spans 10-13)

SUGGESTED CONSTRUCTION SEQUENCE

1. Remove North sidewalk, parapet wall and median. South sidewalk will be open to pedestrian traffic.
2. Scarify deck 2 1/4" and remove deck at expansion joints locations to the limits indicated in Stage I Removal.
3. Reconstruct deck at expansion joint locations and install overlay to the limits indicated in Stage I Construction; install concrete curb with fence, parapet with handrail and median.
4. Shift pedestrian traffic to completed North Multi Use Path:
5. a. For Spans 1 to Span 13, up to Sta 33+45: Remove South sidewalk and parapet wall.
b. For Spans 13, from Sta 33+45, to Pier 13 and Spans 14-17: remove South side of the deck to the limits indicated in Stage II removal. Remove exterior beam at span 14 thru 17.
6. a. For Spans 1 to Span 13, up to Sta 33+45: Scarify deck 2 1/4" and remove deck at expansion joint to the limits indicated in Stage II Removal.
b. For Spans 13, from Sta 33+45, to Pier 13 and Spans 14-17: Scarify deck 2 1/4" and remove deck at expansion joint to the limits indicated in Stage II Removal.
7. a. For Spans 1 to Span 13, up to Sta 33+45: Reconstruct deck at expansion joint locations and install overlay to the limits indicated in Stage II construction; install south parapet.
b. For Spans 13, from Sta 33+45, to Pier 13 and Spans 14-17: construct new deck with parapet; install overlay to the limits indicated in Stage II construction.

NOTES:

1. The Contractor shall field locate the first interior beam and translate its location to the top of the existing bridge deck. The removal limits for the existing bridge deck are offset 6" from the edge of the existing beam flange as detailed in this sheet. Stations and offsets have been provided for this removal line but shall be verified by the Contractor prior to removal operations.
2. A 3/4" saw cut shall be made along the limits of deck to be removed prior to removal of any concrete.
3. Existing transverse bars in the bridge deck shall be cleaned and incorporated into the new construction, minimum extension 3'-6". Cost included with "Concrete Removal".
4. For proposed cross sections see Sheet S-10.
5. The cost of rail removal is included with "Sidewalk Removal (Special) with Parapet wall." No Salvage.

"B" = 55'-9" at West Abutment
48'-9" at Pier 1
46'-11 1/2" at Pier 2 to 16
46'-1" at Pier 16
45'-9" at East Abutment

"C" = 24'-0 1/4" at West Abutment
12'-3" at Pier 1
8'-1 1/2" at Pier 2 to 16
10'-0 1/4" at Pier 16
24'-9 3/8" at East Abutment

"D" = 37'-10" at West Abutment
30'-10" at Pier 1
29'-0 1/2" at Pier 2 to 16
28'-2" at Pier 16
27'-10" at East Abutment

"E" = 44'-10" at West Abutment
33'-1" at Pier 1
28'-11 1/2" at Pier 2 to 13

LEGEND

- Concrete Removal
- Bridge Deck Scarification, 2 1/4"
- Removal of Existing Concrete I-Beam
- Concrete Barrier Removal
- Sidewalk Removal (Special) with Parapet Wall

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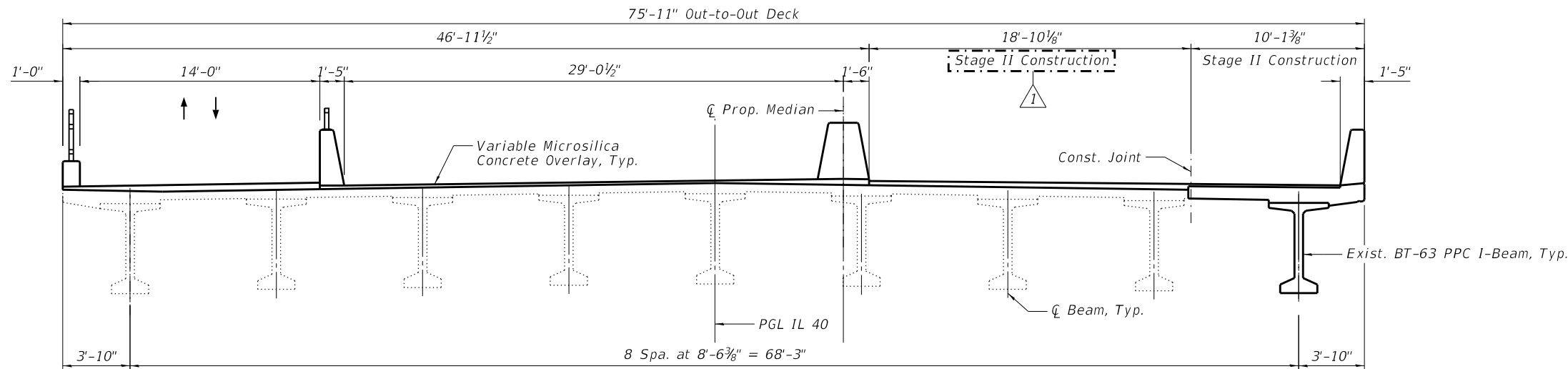
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE REMOVAL SUPERSTRUCTURE IV
STRUCTURE NO. 090-0122**

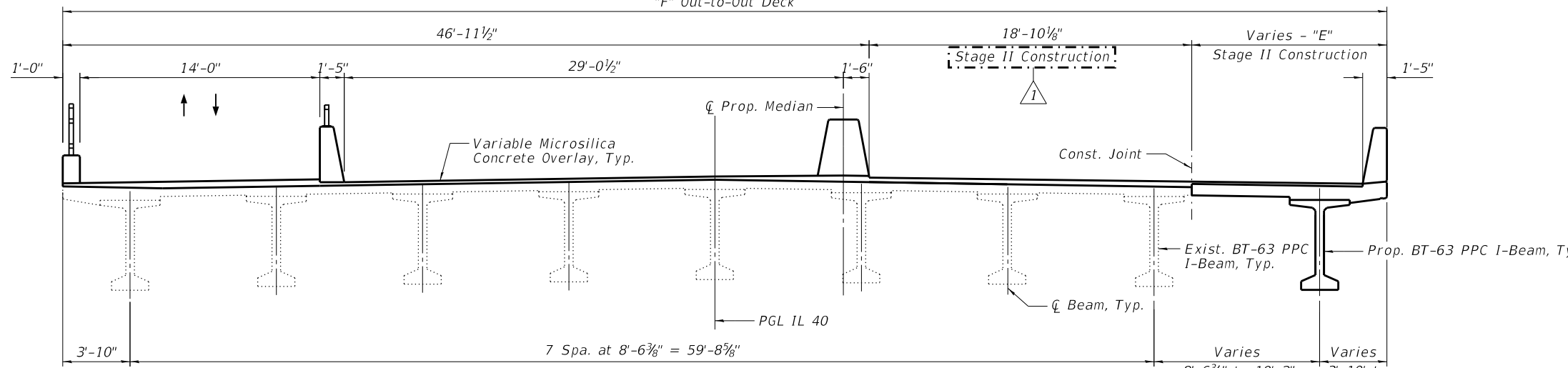
SHEET 5-9 OF S-122 SHEETS

F.A.P. RTE. 404	SECTION 50 (BDR, BJR, BRR, L)	COUNTY -	TOTAL SHEETS 286	SHEET NO. 140
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F38	



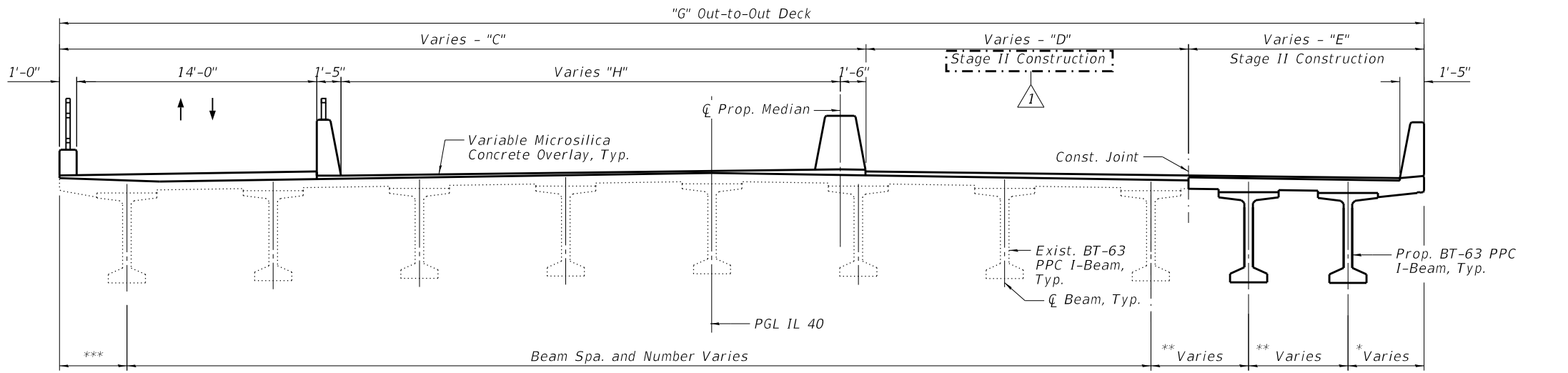
STAGE II CONSTRUCTION SPAN 13

(Looking East - Showing Sta. 33+45.00 to Pier 13)
"F" Out-to-Out Deck



STAGE II CONSTRUCTION SPAN 14

(Looking East)



STAGE II CONSTRUCTION SPANS 15-17

(Looking East - Showing Span 15)
(Spans 16 and 17 have 9 existing beams, see Sheet S-70)

- "C" = 46'-11½" at Pier 14
46'-11½" at Pier 15
46'-1" at Pier 16
45'-9" at East Abutment
- "D" = 18'-10⅛" at Pier 14
19'-0⅞" at Pier 15, Span 15
19'-8½" at Pier 15, Span 16
25'-2½" at Pier 16
34'-11⅞" at East Abutment
- "E" = 10'-1⅜" at Pier 13
12'-2⅞" at Pier 14
14'-11⅞" at Span 15, Pier 15 Expansion Joint
14'-4" at Span 16, Pier 15 Expansion Joint
14'-10½" at Pier 16
10'-11¼" at East Abutment Expansion Joint
- "F" = 75'-11" at Pier 13
78'-0" at Pier 14
- "G" = 80'-11⅞" at Pier 15
91'-4⅞" at East Abutment
- "H" = 29'-0½" at Pier 15
28'-2" at Pier 16
27'-10" at East Abutment
* 4'-3" at Span 15
3'-10" Spans 16 and 17
- ** 5'-1⅜" to 6'-6¾" (Span 15)
6'-6⅞" to 6'-9⅞" (Span 16)
6'-10" to 4'-8½" (Span 17)

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	321.1
Concrete Barrier Removal	Foot	2,265
Sidewalk Removal (Special) with Parapet Wall	Cu. Yd.	1,016.8
Protective Shield	Sq. Yd.	4,780
Bridge Deck Scarification 2¼"	Sq. Yd.	19,861
Bridge Deck Grooving	Sq. Yd.	13,934
Bridge Deck Microsilica Concrete Overlay, 2¼"	Sq. Yd.	20,436
Removal of Existing Concrete I-Beam	Each	4

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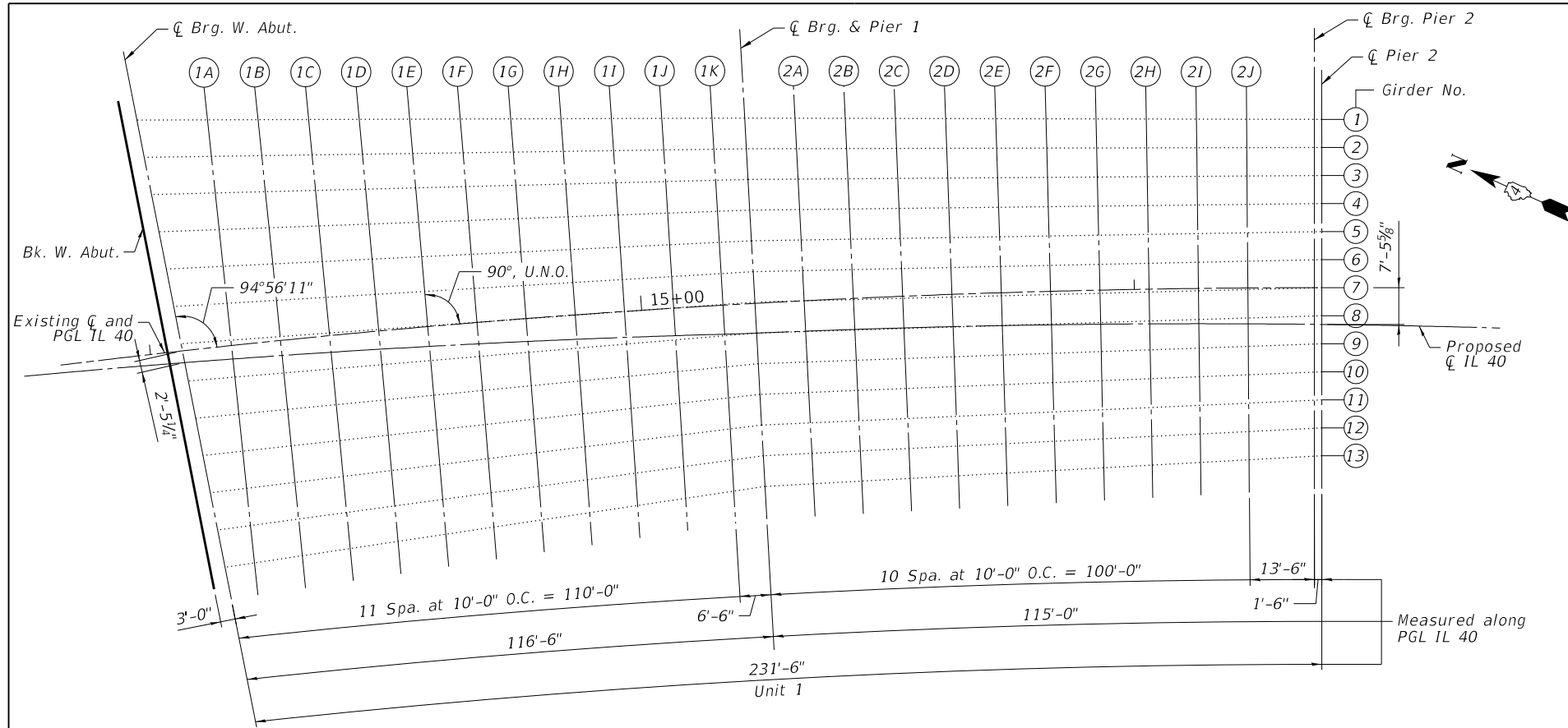
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

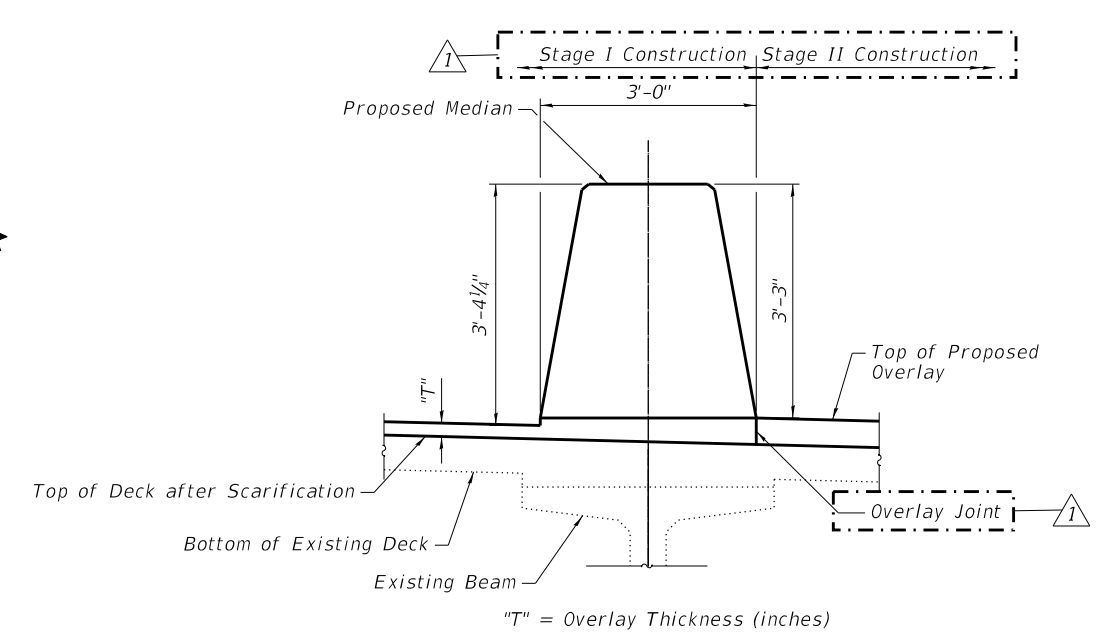
**CONCRETE REMOVAL SUPERSTRUCTURE V
STRUCTURE NO. 090-0122**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO.	68F38

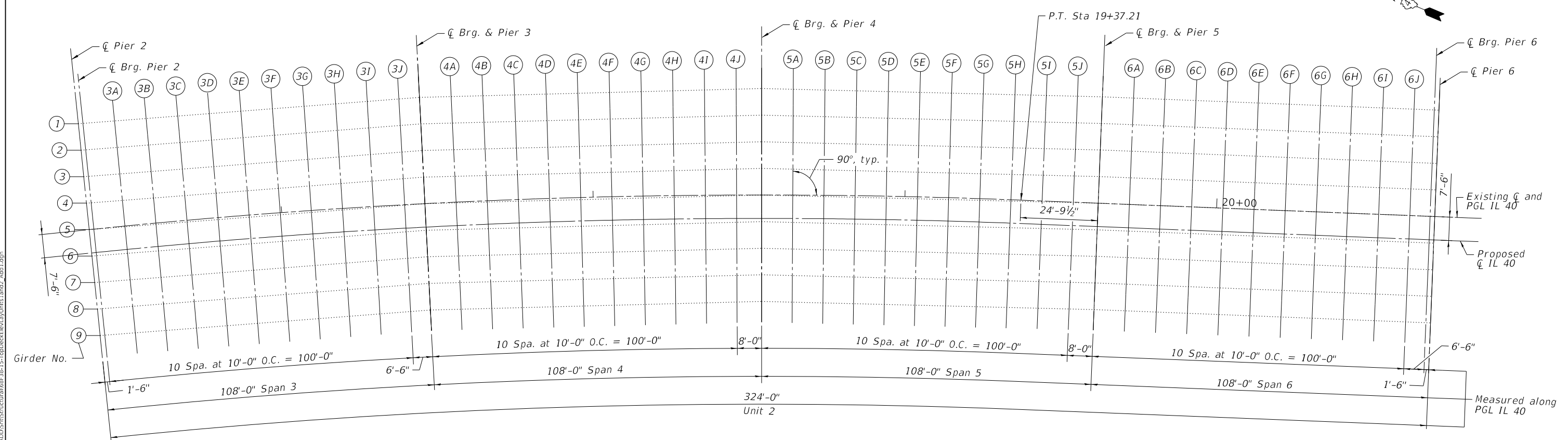
SHEET 5-10 OF S-122 SHEETS



PLAN - UNIT 1



MEDIAN DETAIL AT UNIT 1
(The Overlay is in Transition in Unit 2)



PLAN - UNIT 2

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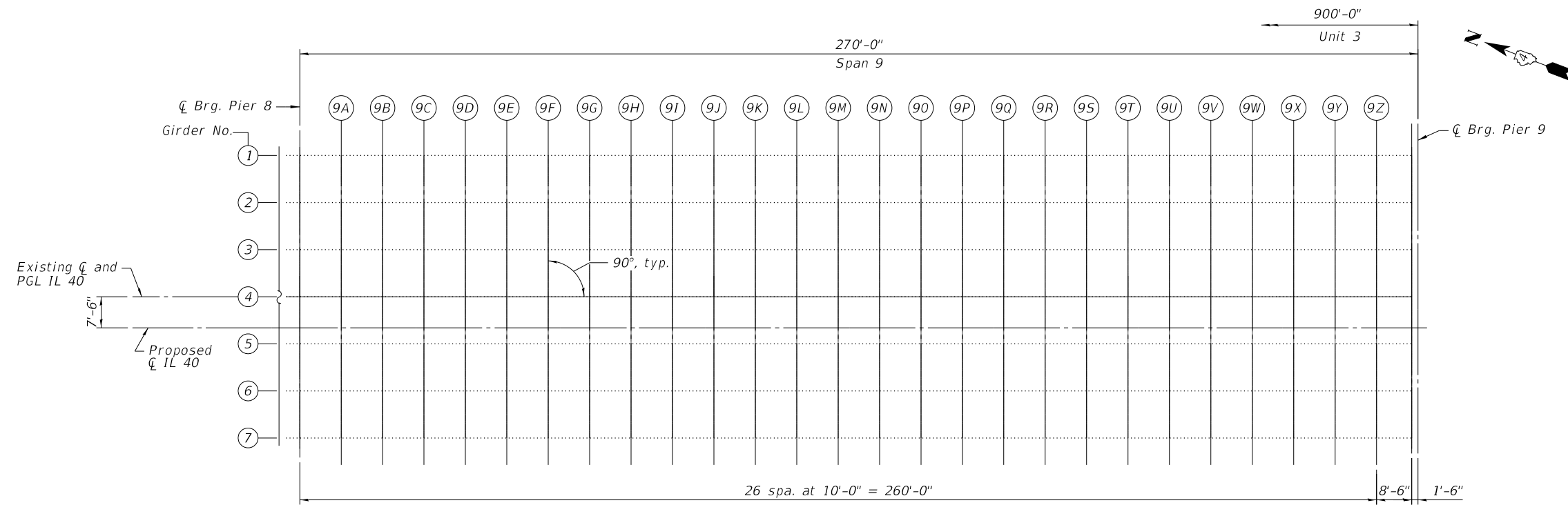
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

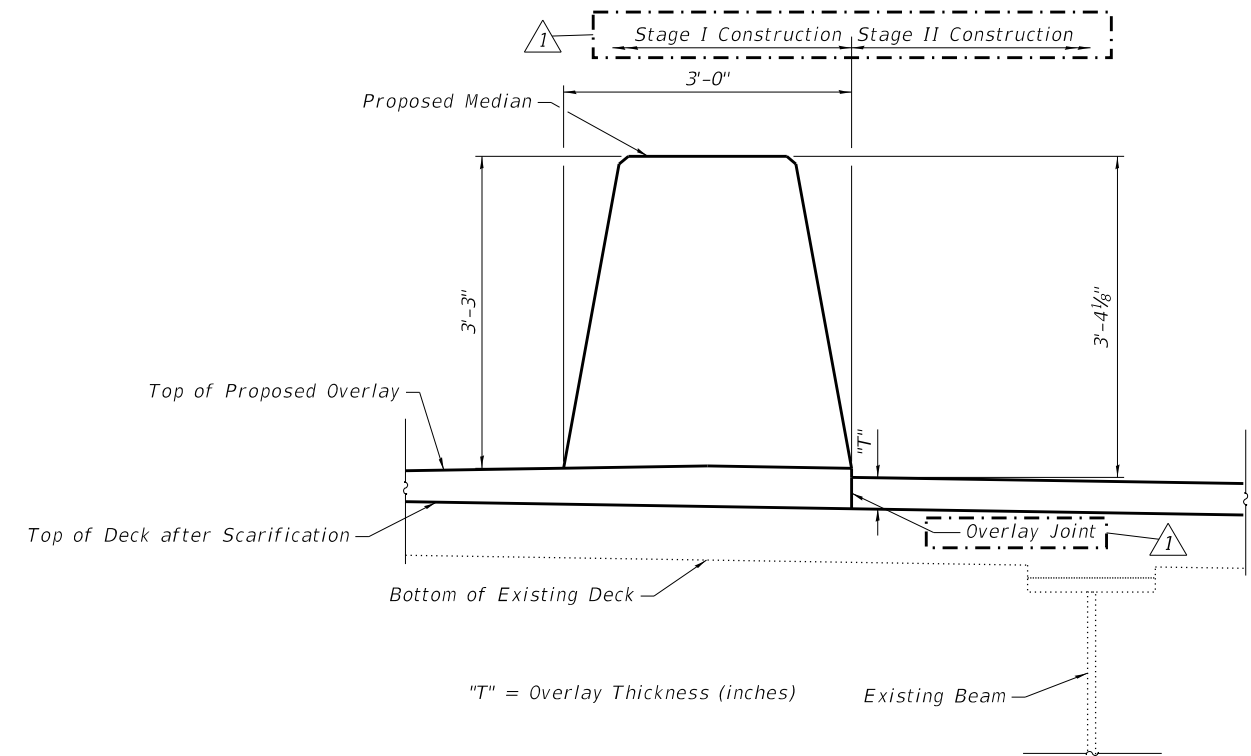
TOP OF DECK SLAB ELEVATION LAYOUT - UNITS 1 AND 2
STRUCTURE NO. 090-0122

F.A.P. RTE. 404	SECTION 50 (BDR, BJR, BRR, L)	COUNTY -	TOTAL SHEETS 286	SHEET NO. 147
CONTRACT NO. 68F38			ILLINOIS FED. AID PROJECT	

SHEET 5-16 OF S-122 SHEETS



PARTIAL PLAN - UNIT 3



MEDIAN DETAIL AT UNITS 2 THROUGH 5
(Showing Median at Span 9)

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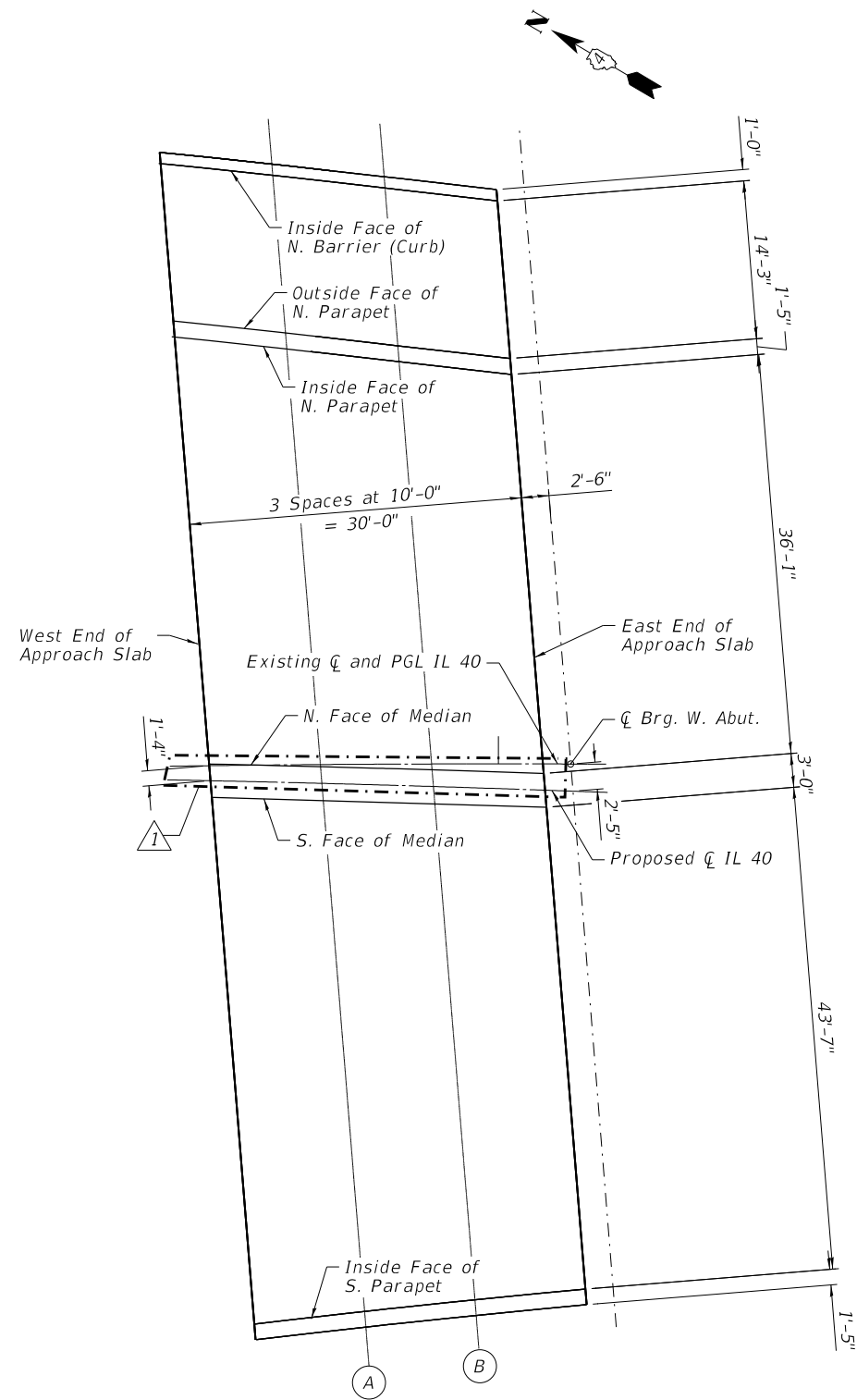
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION LAYOUT II - UNIT 3
STRUCTURE NO. 090-0122

SHEET 5-27 OF 5-122 SHEETS

F.A.P. RTE. 404	SECTION 50 (BDR, BJR, BRR, L)	COUNTY -	TOTAL SHEETS 286	SHEET NO. 158
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F38	



INSIDE FACE OF N. BARRIER (CURB)

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+70.30	-54.32	496.73
A	13+80.16	-53.15	496.92
B	13+90.03	-51.94	497.12
E. End of W. App. Slab	13+99.91	-50.76	497.31

N. FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+73.91	-0.15	495.41
A	13+83.96	0.19	495.63
B	13+94.02	0.53	495.85
E. End of W. App. Slab	14+04.08	0.86	496.07

OUTSIDE FACE OF N. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+71.23	-40.39	496.54
A	13+81.15	-38.93	496.72
B	13+91.09	-37.71	496.92
E. End of W. App. Slab	14+01.04	-36.54	497.11

PROPOSED CL IL 40

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+74.02	1.44	495.47
A	13+84.07	1.69	495.69
B	13+94.14	2.03	495.91
E. End of W. App. Slab	14+04.21	2.37	496.12

INSIDE FACE OF N. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+71.03	-38.72	496.31
A	13+81.25	-37.49	496.51
B	13+91.20	-36.27	496.71
E. End of W. App. Slab	14+01.15	-35.10	496.90

S. FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+74.12	2.88	495.52
A	13+84.19	3.25	495.74
B	13+94.25	3.54	495.96
E. End of W. App. Slab	14+04.33	3.90	496.18

EXISTING CL AND PGL IL 40

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+73.92	0.00	495.41
A	13+83.95	0.00	495.64
B	13+93.98	0.00	495.86
E. End of W. App. Slab	14+04.01	0.00	496.09

INSIDE FACE OF S. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. App. Slab	13+77.45	50.38	494.41
A	13+87.64	49.32	494.67
B	13+97.83	48.30	494.92
E. End of W. App. Slab	14+08.02	47.32	495.18

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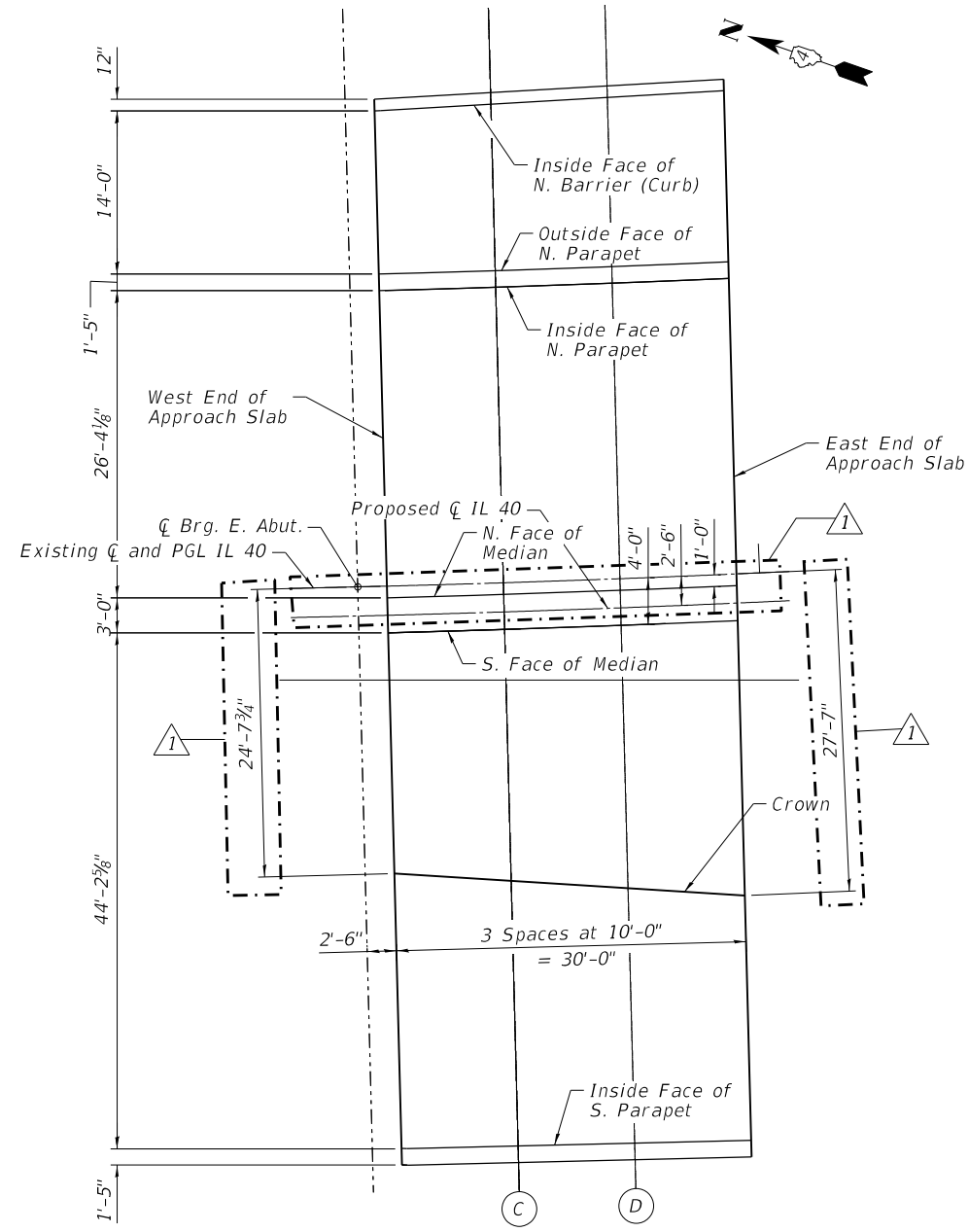
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF APPROACH SLAB ELEVATIONS I
STRUCTURE NO. 090-0122**

SHEET 5-46 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	177
CONTRACT NO.			68F38	
ILLINOIS		FED. AID PROJECT		



INSIDE FACE OF N. BARRIER (CURB)

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+67.99	-40.75	467.68
C	37+78.84	-41.03	467.32
D	37+88.50	-41.26	467.01
E. End of E. App. Slab	37+98.77	-41.42	466.74

PROPOSED CL IL 40

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+68.00	2.50	468.49
C	37+77.95	2.50	468.24
D	37+87.90	2.50	468.01
E. End of E. App. Slab	37+97.84	2.50	467.78

OUTSIDE FACE OF N. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+67.99	-26.76	467.90
C	37+78.16	-26.76	467.56
D	37+88.32	-26.76	467.23
E. End of E. App. Slab	37+98.49	-26.76	466.97

S. FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+67.99	4.00	468.59
C	37+77.98	4.00	468.35
D	37+87.95	4.00	468.12
E. End of E. App. Slab	37+97.93	4.00	467.89

INSIDE FACE OF N. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+67.99	-25.34	467.76
C	37+78.15	-25.34	467.45
D	37+88.31	-25.34	467.14
E. End of E. App. Slab	37+98.47	-25.34	466.89

CROWN (CROSS SLOPE BREAK)

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+68.01	24.65	469.08
C	37+77.85	25.57	468.91
D	37+87.69	26.55	468.75
E. End of E. App. Slab	37+97.51	27.59	468.58

EXISTING CL AND PGL IL 40

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+68.00	0.00	468.36
C	37+78.00	0.00	468.11
D	37+88.00	0.00	467.86
E. End of E. App. Slab	37+98.00	0.00	467.63

INSIDE FACE OF S. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+68.01	48.13	468.72
C	37+77.73	48.30	468.56
D	37+87.44	48.40	468.42
E. End of E. App. Slab	37+97.15	48.57	468.26

N. FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. App. Slab	37+68.00	1.00	468.34
C	37+77.99	1.00	468.08
D	37+87.99	1.00	467.84
E. End of E. App. Slab	37+97.98	1.00	467.61

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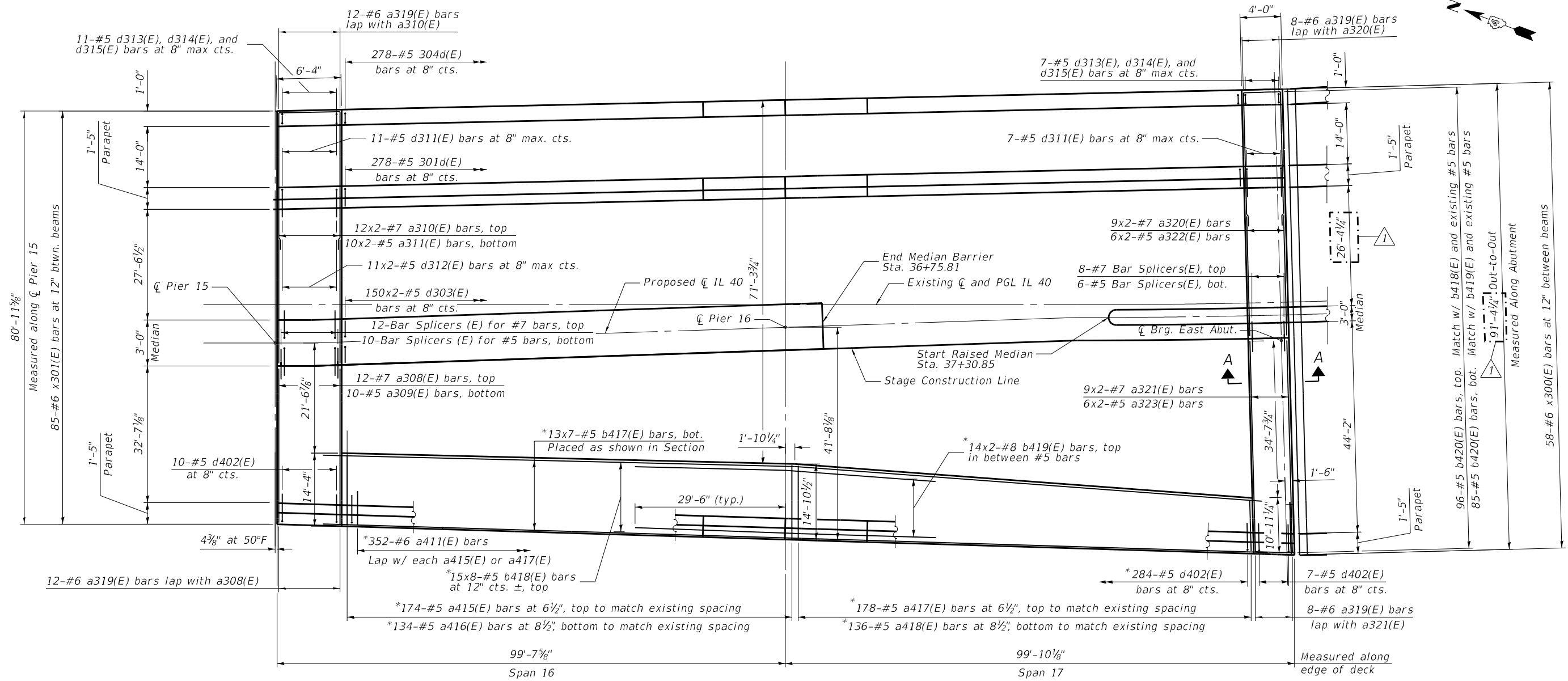
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

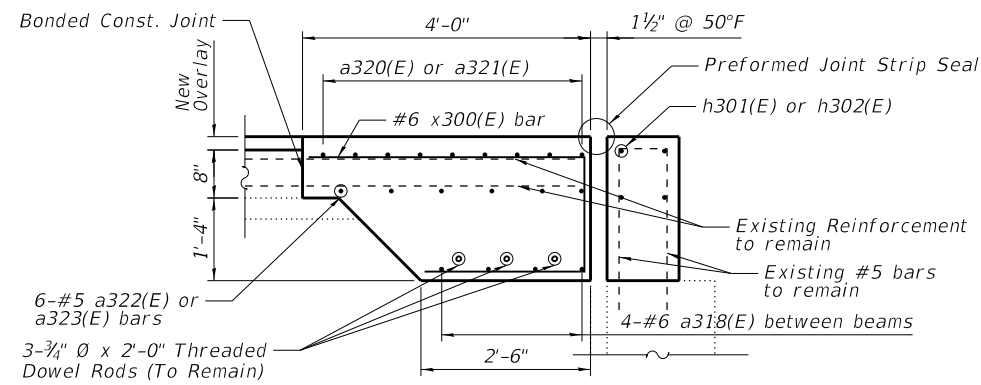
**TOP OF APPROACH SLAB ELEVATIONS II
STRUCTURE NO. 090-0122**

SHEET 5-47 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	178
CONTRACT NO.			68F38	



PLAN - SPANS 16 & 17



SECTION A-A

- MIN LAP:**
- #5 Bar = 2'-5"
 - #6 Bar = 2'-11"
 - #7 Bar = 3'-8"
 - #8 Bar = 4'-11"

NOTES:

1. Bar indicated thus 4 x 6 - #4 etc. indicates 4 lines of bars with 6 lengths per line.
2. For Modular Expansion Joint Detail and sections through the joints, see Sheets S-105 through S-110.
3. For expansion joint details see Sheet S-111.
4. Existing reinforcement bars and dowel rods are to be cleaned and incorporated into new construction.
5. For Bill of Materials and Bar bend details, see Sheets S-73 through S-75.
6. For scupper details and related reinforcement, see Sheets S-95 through S-104.

* Billed with the deck widening, see sheet S-71.

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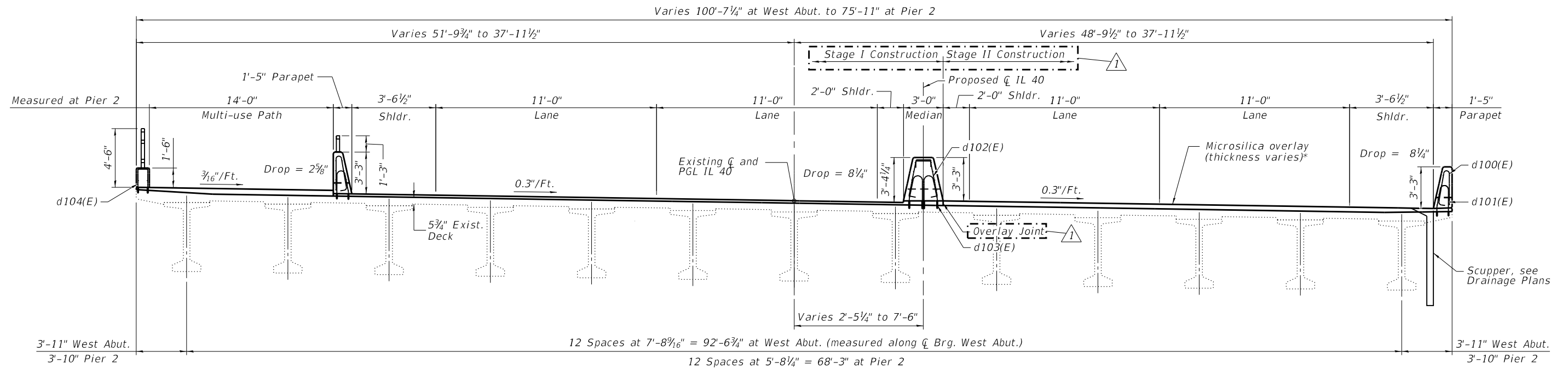
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN - SPANS 16 AND 17
STRUCTURE NO. 090-0122

SHEET S-54 OF S-122 SHEETS

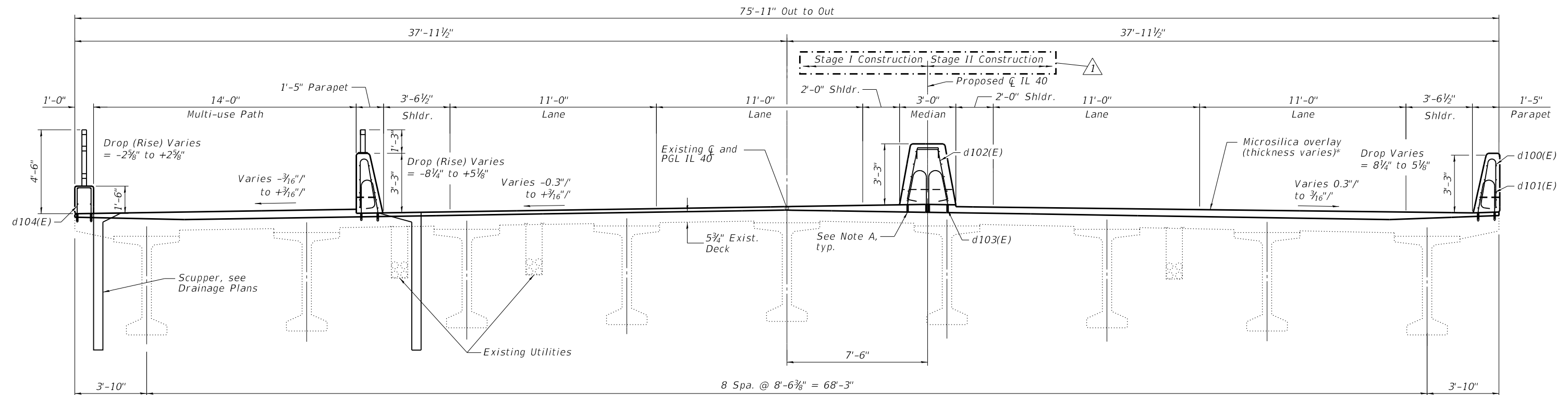
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CONTRACT NO. 68F38				

ILLINOIS FED. AID PROJECT PEORIA / TAZEVELL



CROSS SECTION - SPANS 1-2
(Looking East)

Note A:
Core and Set d101(E), d103(E), and d104(E) bars according to Article 584 of the Standard Specifications. Cored holes shall be roughened or scored per manufactures recommendations. Maximum depth of hole shall not exceed 6". The location of the existing reinforcement shall be determined by the CONTRACTOR using non-destructive methods. If existing reinforcement is encountered during the drilling operation, the holes shall be relocated and the uncompleted holes shall be filled with a chemical adhesive resin system.



CROSS SECTION - SPANS 3-6
(Looking East)

*See screed sheets for overlay thicknesses.

NOTES:

- See Sheets S-55 through S-66 for Elevation of Parapet and Median Barriers.

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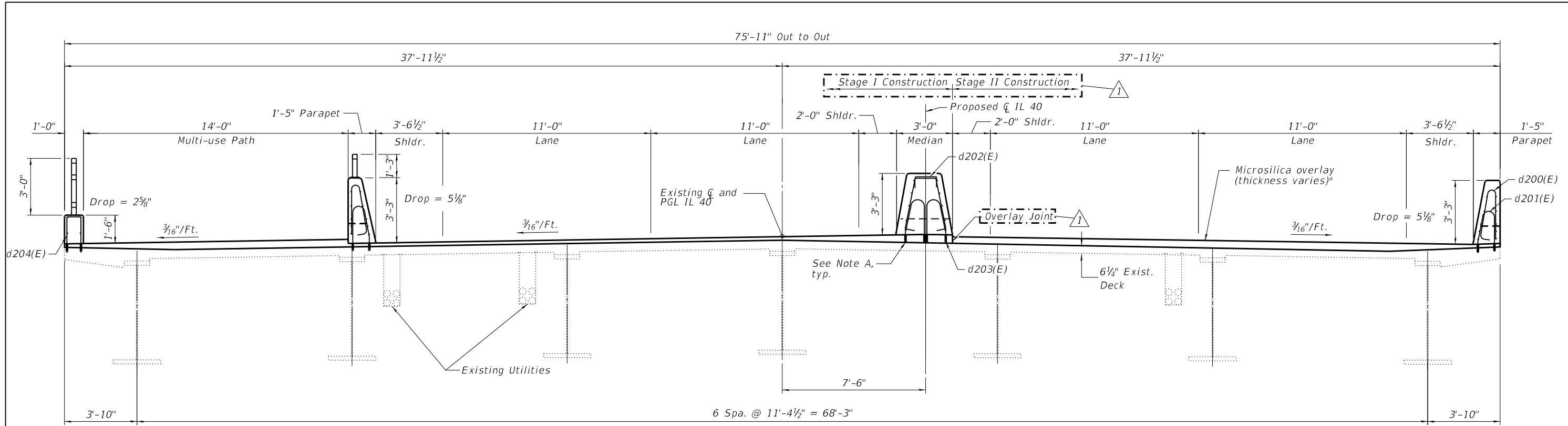
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE CROSS SECTIONS I
STRUCTURE NO. 090-0122

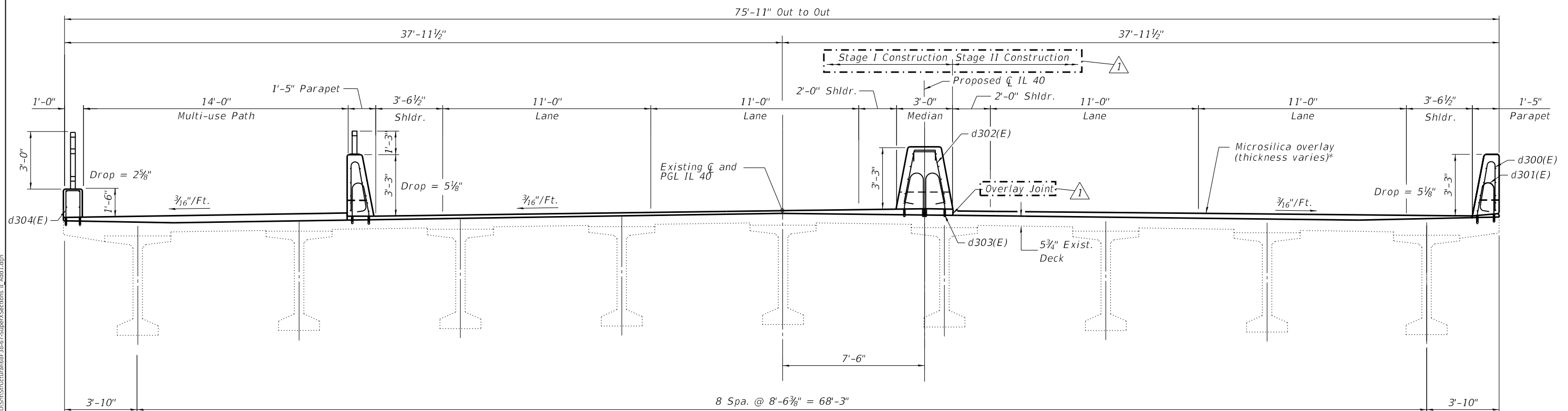
SHEET S-57 OF S-122 SHEETS

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CONTRACT NO.			68F38	
ILLINOIS FED. AID PROJECT				



Note A:
 Core and Set d301(E), d303(E), and d304(E) bars according to Article 584 of the Standard Specifications. Cored holes shall be roughened or scored per manufactures recommendations. Maximum depth of hole shall not exceed 6".
 The location of the existing reinforcement shall be determined by the CONTRACTOR using non-destructive methods. If existing reinforcement is encountered during the drilling operation, the holes shall be relocated and the uncompleted holes shall be filled with a chemical adhesive resin system.

CROSS SECTION - SPANS 7-9
 (Looking East)



*See screed sheets for overlay thicknesses.

CROSS SECTION - SPANS 10-13 (TO STA. 33+45)
 (Looking East)

NOTES:
 1. See Sheets S-55 through S-66 for Elevation of Parapet and Median Barriers.

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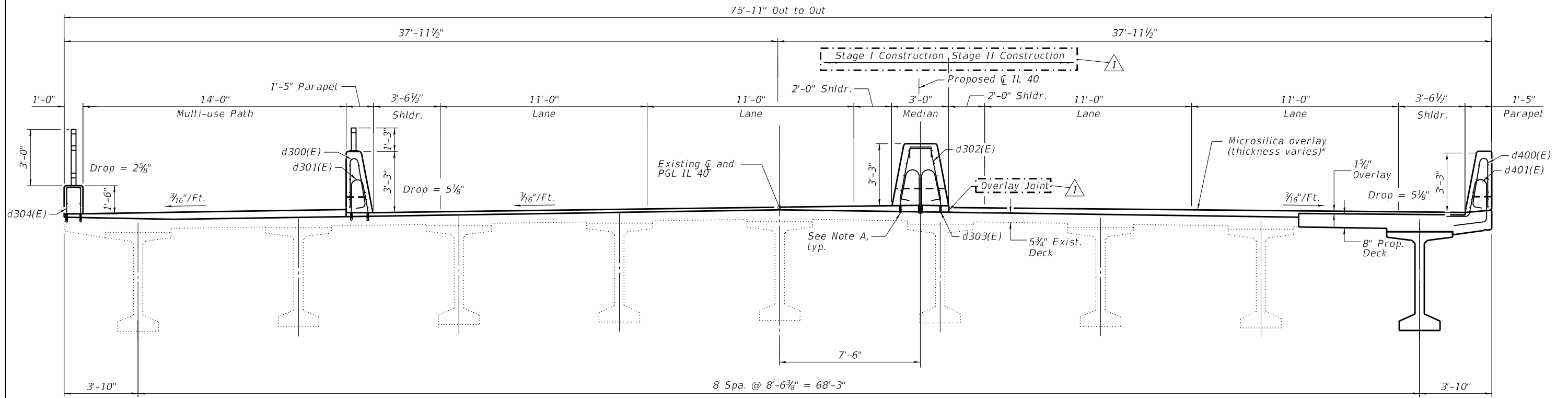
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE CROSS SECTIONS II
STRUCTURE NO. 090-0122

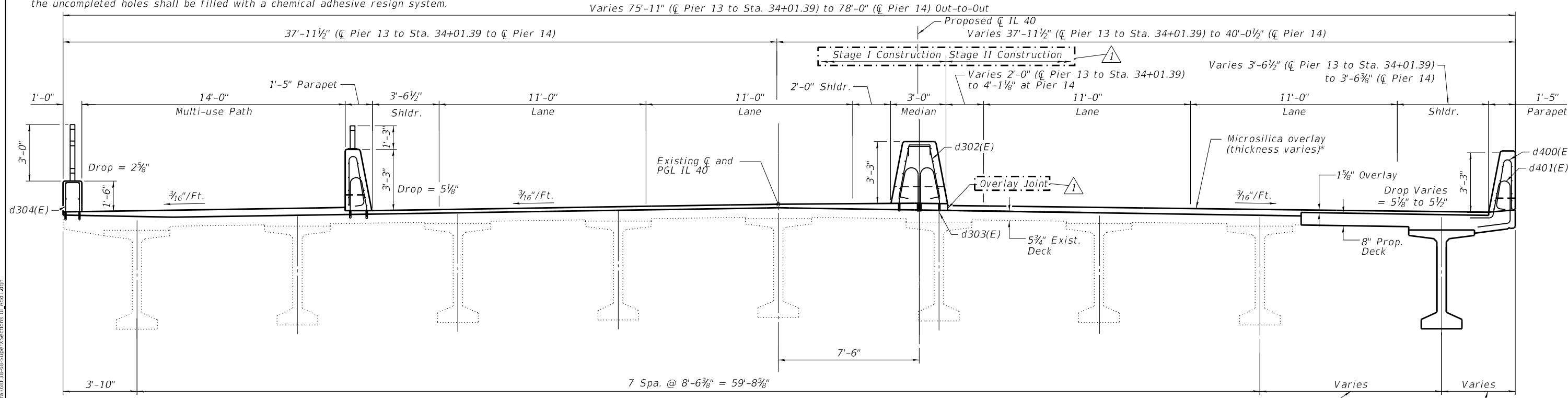
SHEET 5-68 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	199
CONTRACT NO.			68F38	



CROSS SECTION - SPAN 13 AT STA. 33+45 TO PIER 13
(Looking East)

Note A:
Core and Set d301(E), d303(E), and d304(E) bars according to Article 584 of the Standard Specifications. Cored holes shall be roughened or scored per manufactures recommendations. Maximum depth of hole shall not exceed 6". The location of the existing reinforcement shall be determined by the CONTRACTOR using non-destructive methods. If existing reinforcement is encountered during the drilling operation, the holes shall be relocated and the uncompleted holes shall be filled with a chemical adhesive resin system.



CROSS SECTION - SPAN 14
(Looking East)

*See screed sheets for overlay thicknesses.

NOTES:
1. See Sheets S-55 through S-66 for Elevation of Parapet and Median Barriers.

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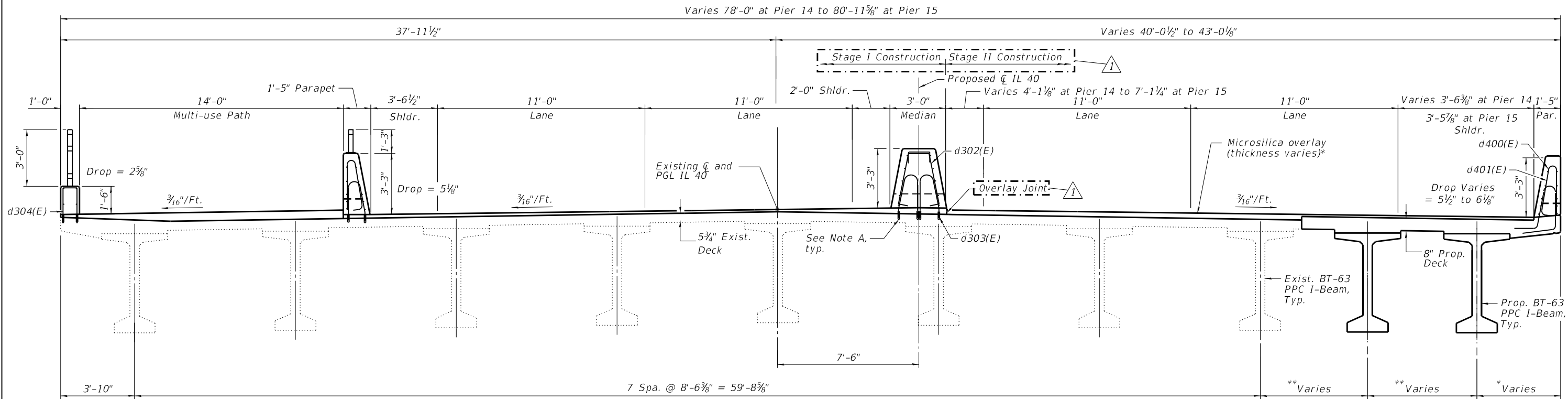
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE CROSS SECTIONS III
STRUCTURE NO. 090-0122

SHEET 5-69 OF 5-122 SHEETS

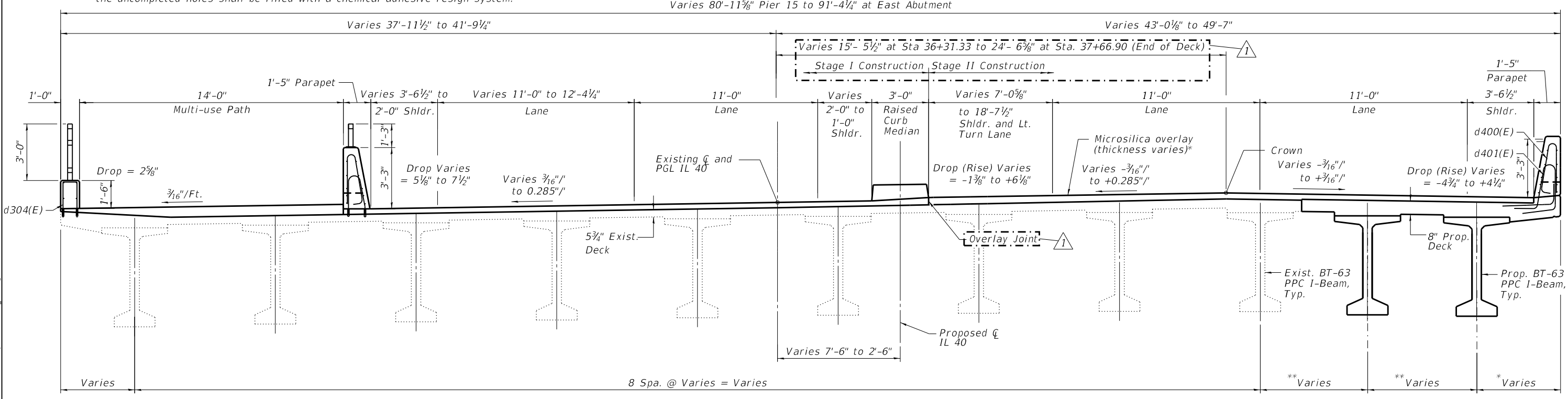
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CONTRACT NO. 68F38			ILLINOIS FED. AID PROJECT	



CROSS SECTION - SPAN 15
(Looking East)

Note A:
Core and Set d301(E), d303(E), and d304(E) bars according to Article 584 of the Standard Specifications. Cored holes shall be roughened or scored per manufactures recommendations. Maximum depth of hole shall not exceed 6". The location of the existing reinforcement shall be determined by the CONTRACTOR using non-destructive methods. If existing reinforcement is encountered during the drilling operation, the holes shall be relocated and the uncompleted holes shall be filled with a chemical adhesive resin system.

* 4'-3" at Span 15
3'-10" Spans 16 and 17
** 5'-1 3/8" to 6'-6 3/4" (Span 15)
6'-6 1/8" to 6'-9 5/8" (Span 16)
6'-10" to 4'-8 1/2" (Span 17)



CROSS SECTION - SPANS 16 & 17
(Looking East)

*See screed sheets for overlay thicknesses.

NOTES:
1. See Sheets S-55 through S-66 for Elevation of Parapet and Median Barriers.

* 4'-3" at Span 15
3'-10" Spans 16 and 17
** 5'-1 3/8" to 6'-6 3/4" (Span 15)
6'-6 1/8" to 6'-9 5/8" (Span 16)
6'-10" to 4'-8 1/2" (Span 17)

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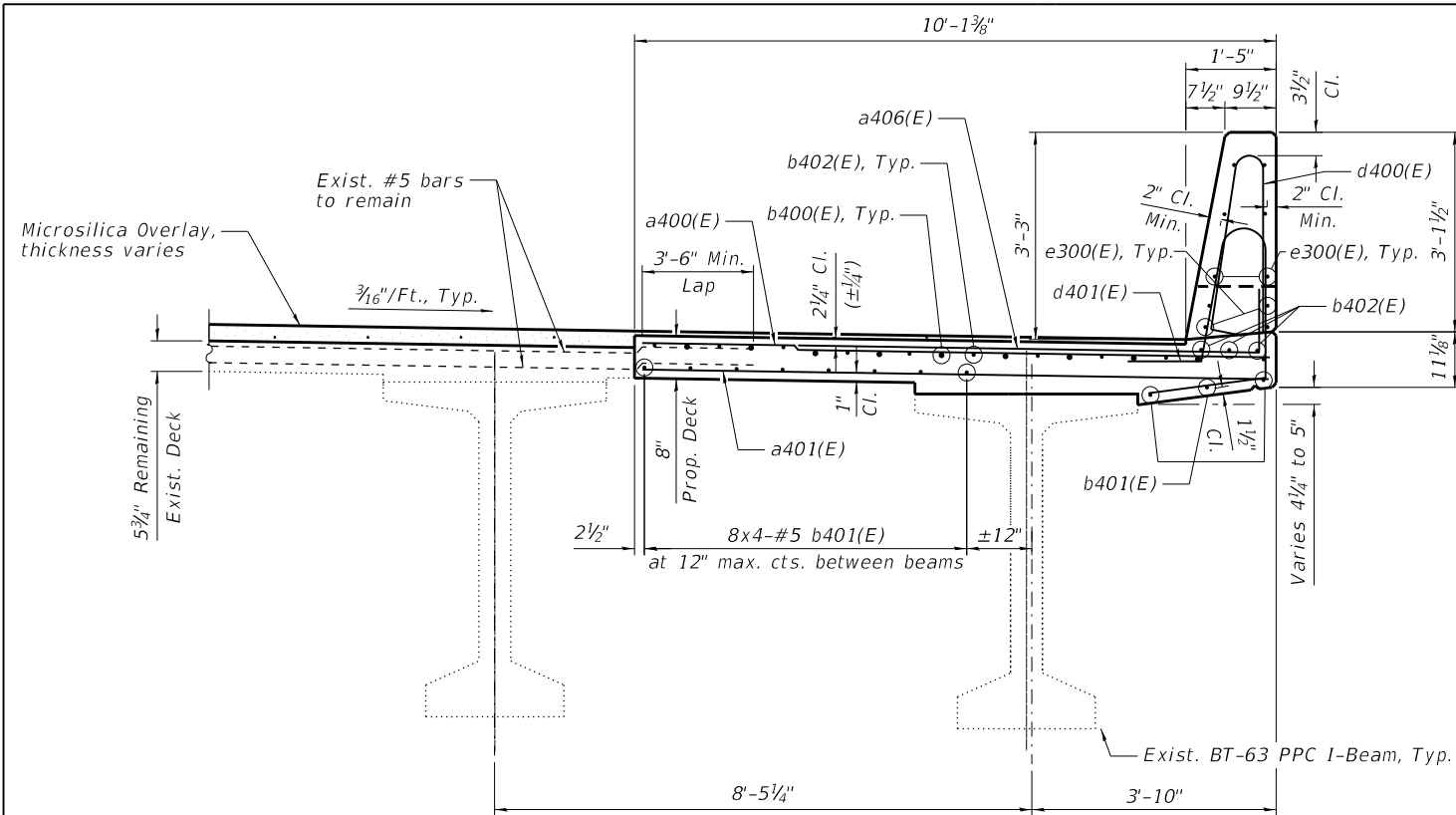
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

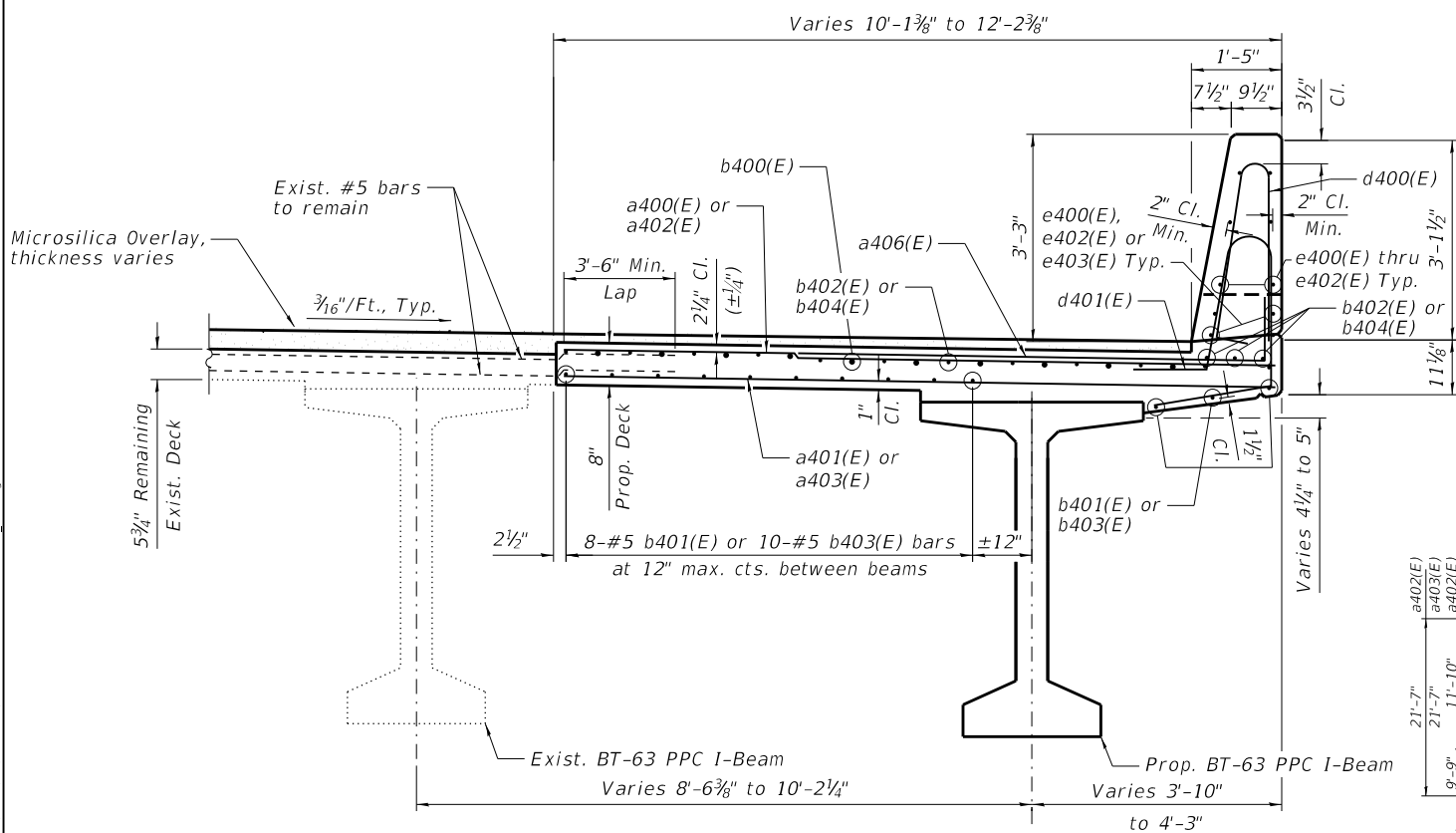
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STRUCTURE NO. 090-0122**

SHEET 5-70 OF S-122 SHEETS

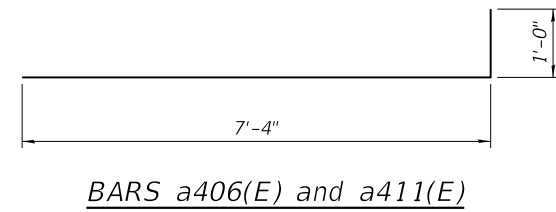
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CONTRACT NO. 68F38			ILLINOIS FED. AID PROJECT	



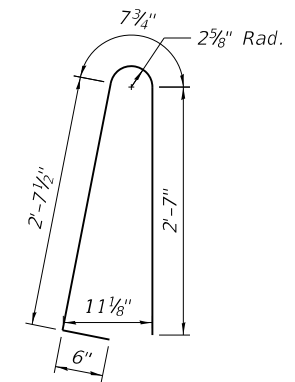
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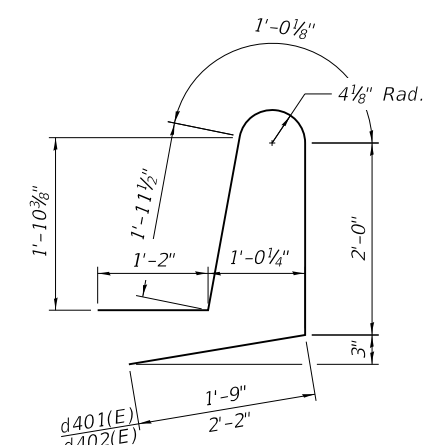
SECTION THRU WIDENED DECK, UNIT 4 - SPAN 14



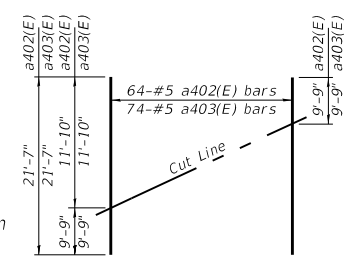
BARS a406(E) and a411(E)



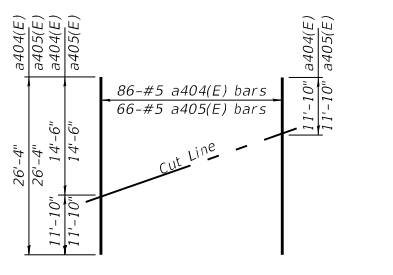
BAR d400(E)



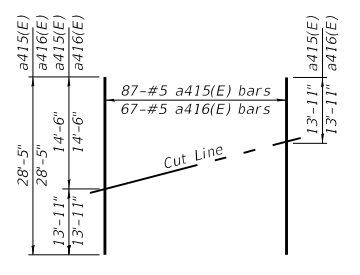
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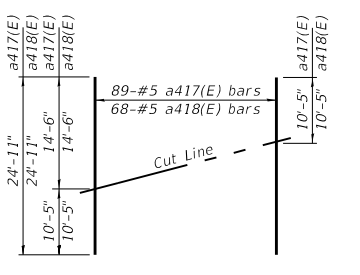
FIELD CUTTING DIAGRAM
Order a402(E) and a403(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.



FIELD CUTTING DIAGRAM
Order a404(E) and a405(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.



FIELD CUTTING DIAGRAM
Order a415(E) and a416(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.



FIELD CUTTING DIAGRAM
Order a417(E) and a418(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a400(E)	104	#5	9'-9"	—
a401(E)	80	#5	9'-9"	—
a402(E)	64	#5	21'-7"	—
a403(E)	74	#5	21'-7"	—
a404(E)	86	#5	26'-4"	—
a405(E)	66	#5	26'-4"	—
a406(E)	404	#6	8'-4"	—
a411(E)	352	#6	8'-4"	—
a415(E)	87	#5	28'-5"	—
a416(E)	67	#5	28'-5"	—
a417(E)	89	#5	24'-11"	—
a418(E)	68	#5	24'-11"	—
b400(E)	44	#8	27'-5"	—
b401(E)	44	#5	21'-7"	—
b402(E)	33	#6	27'-6"	—
b403(E)	39	#5	26'-10"	—
b404(E)	52	#6	30'-11"	—
b405(E)	60	#5	21'-9"	—
b406(E)	45	#6	27'-1"	—
b417(E)	91	#5	31'-3"	—
b418(E)	120	#5	26'-0"	—
b419(E)	28	#8	32'-3"	—
d400(E)	638	#5	6'-5"	—
d401(E)	188	#5	7'-11"	—
d402(E)	450	#5	8'-4"	—
e400(E)	86	#4	19'-8"	—
e401(E)	18	#4	15'-11"	—
e402(E)	10	#4	10'-8"	—
e403(E)	8	#4	25'-9"	—
e404(E)	18	#4	19'-2"	—
e405(E)	12	#4	27'-7"	—
e406(E)	12	#4	19'-4"	—
e407(E)	24	#4	28'-1"	—
Reinforcement Bars, Epoxy Coated	Pound		60,490	
Concrete Superstructure	Cu Yd		173.9	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SECTION AT WIDENING I
STRUCTURE NO. 090-0122

SHEET 5-71 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	202
CONTRACT NO.			68F38	

SUPERSTRUCTURE SPANS 1-2 BOM

Table with 5 columns: Bar, No., Size, Length, Shape. Lists bars a100(E) through x100(E) and summary rows for Reinforcement Bars, Concrete Superstructure, and Protective Coat.

SUPERSTRUCTURE SPANS 3-6 BOM

Table with 5 columns: Bar, No., Size, Length, Shape. Lists bars a105(E) through x101(E) and summary rows for Reinforcement Bars, Concrete Superstructure, and Protective Coat.

SUPERSTRUCTURE SPANS 7-9 BOM

Table with 5 columns: Bar, No., Size, Length, Shape. Lists bars a200(E) through x201(E) and summary rows for Reinforcement Bars, Concrete Superstructure, and Protective Coat.

SUPERSTRUCTURE SPANS 10-15 BOM

Table with 5 columns: Bar, No., Size, Length, Shape. Lists bars a300(E) through x301(E) and summary rows for Reinforcement Bars, Concrete Superstructure, and Protective Coat.

SUPERSTRUCTURE SPANS 16-17 BOM

Table with 5 columns: Bar, No., Size, Length, Shape. Lists bars a308(E) through x301(E) and summary rows for Reinforcement Bars, Concrete Superstructure, and Protective Coat.

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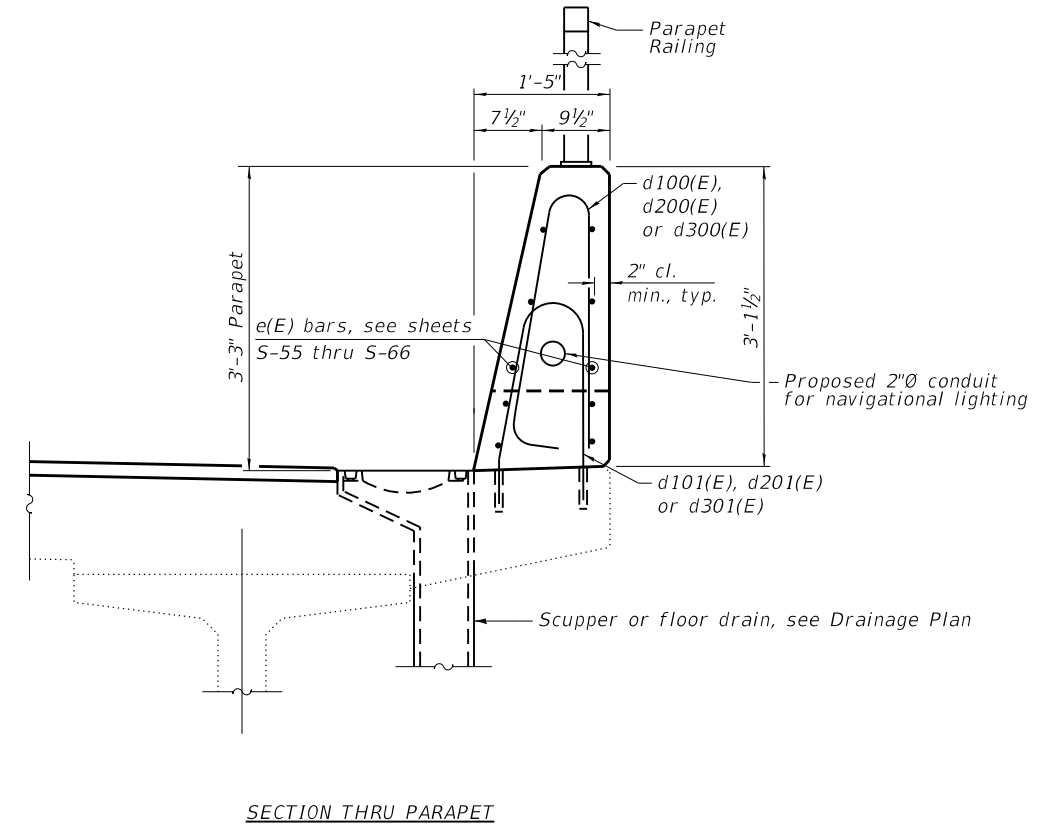
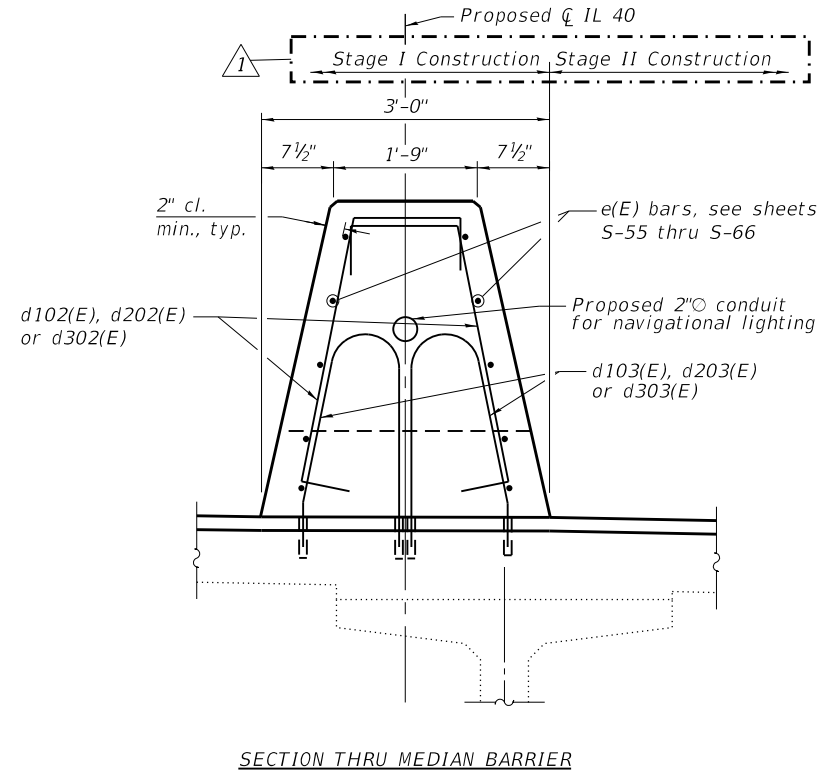
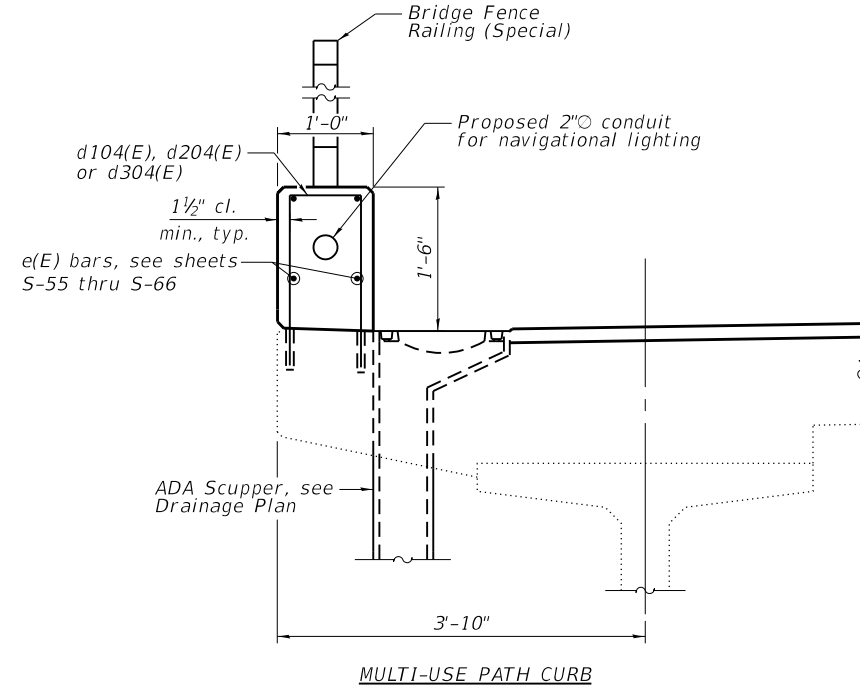
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DRAWN - SBA
CHECKED - BWS
DATE - 11/02/22

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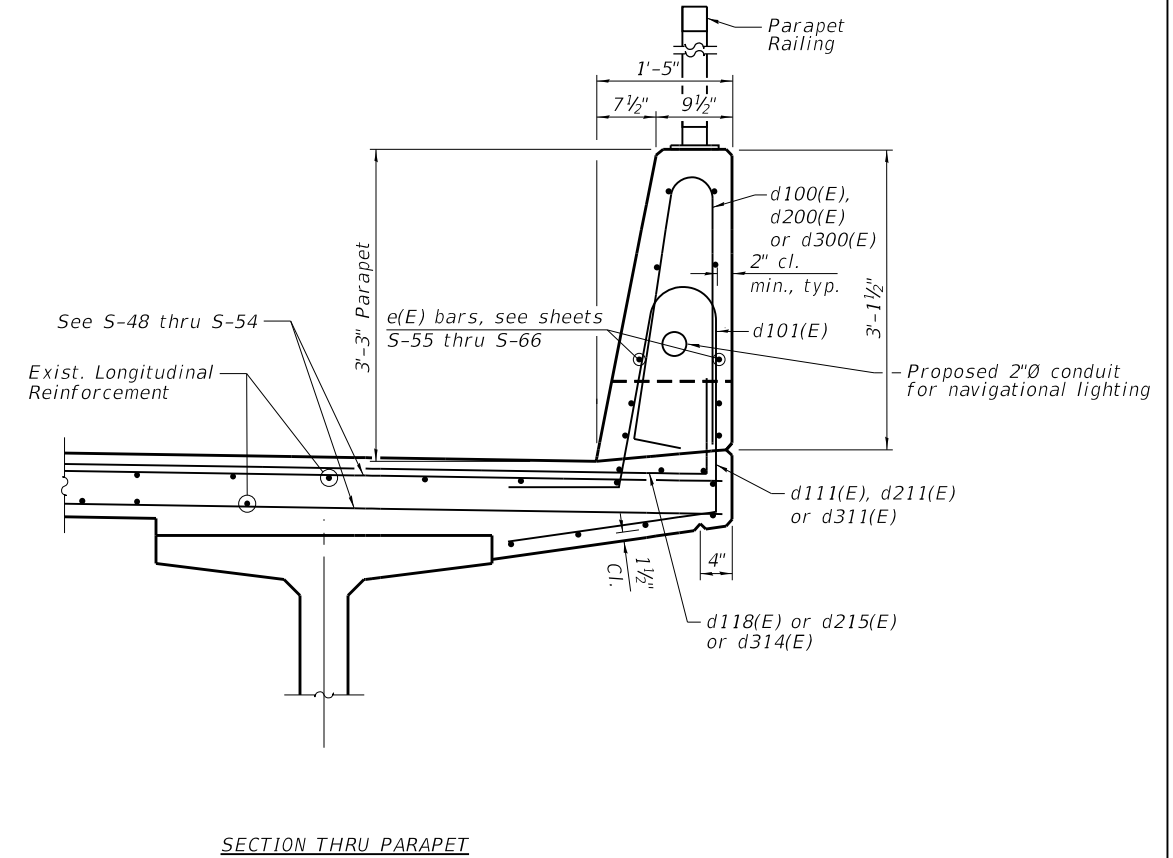
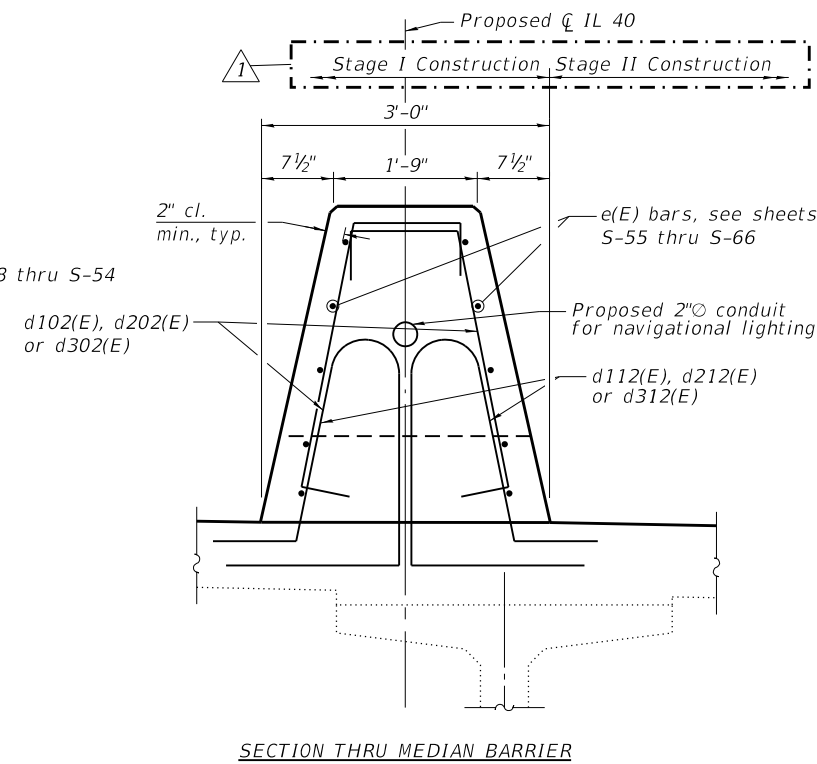
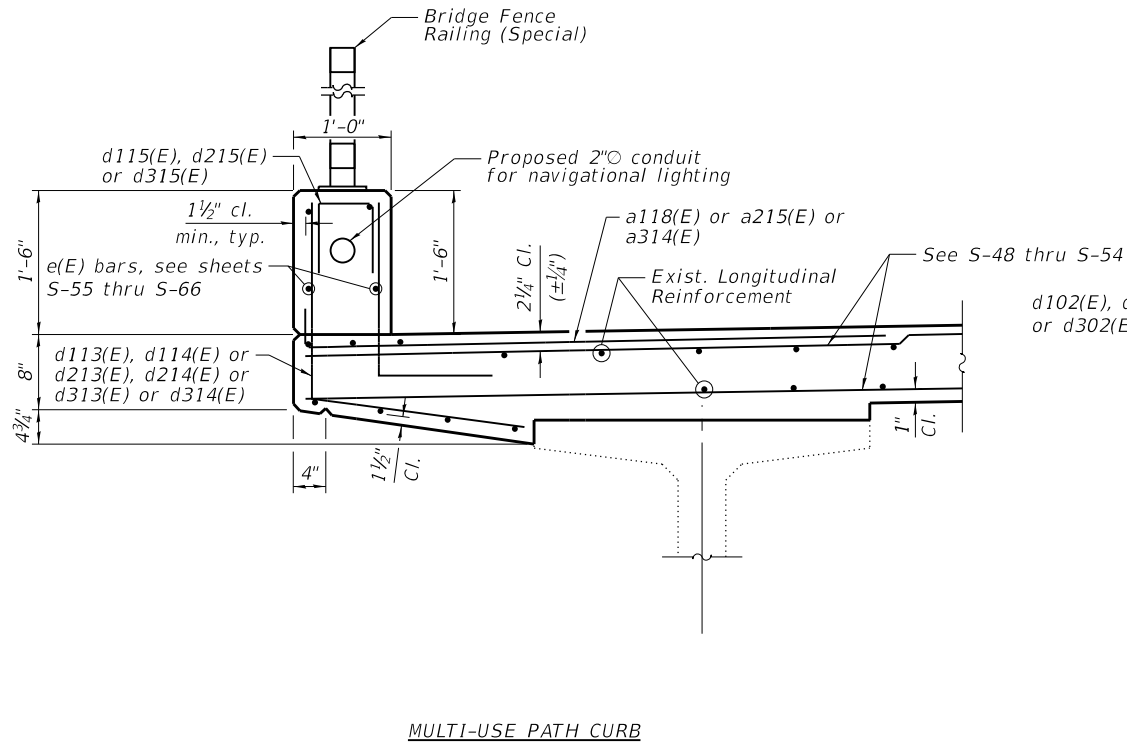
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS II
STRUCTURE NO. 090-0122
SHEET 5-74 OF S-122 SHEETS

F.A.P. RTE. 404
SECTION 50 (BDR, BJR, BRR, L)
COUNTY
TOTAL SHEETS 286
SHEET NO. 205
CONTRACT NO. 68F38
ILLINOIS FED. AID PROJECT



SECTIONS AT SPANS



SECTIONS AT EXPANSION JOINTS

NOTE:
1. See Sheets S-55 through S-66 for Elevation of Parapet and Median Barriers.

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11/01/22 9:56:09 PM

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = Structural	DESIGNED - LM	REVISED 11/02/22 LM
	DRAWN - SBA	REVISED -
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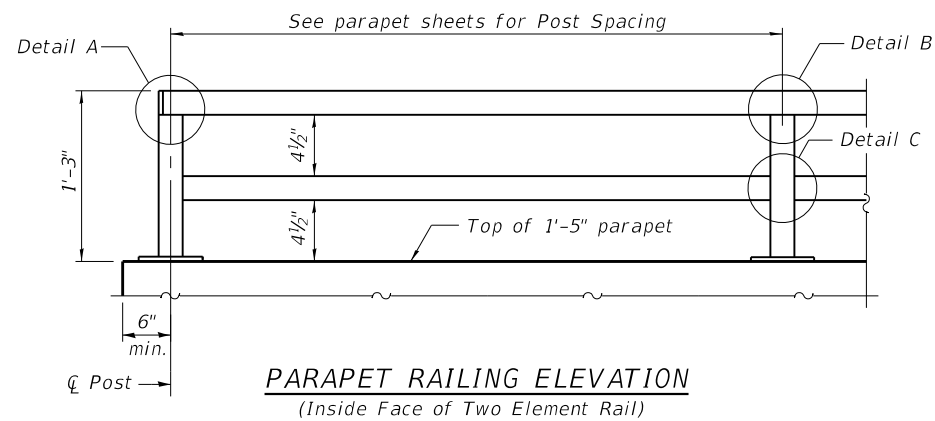
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE CROSS SECTION-DETAILS
STRUCTURE NO. 090-0122**

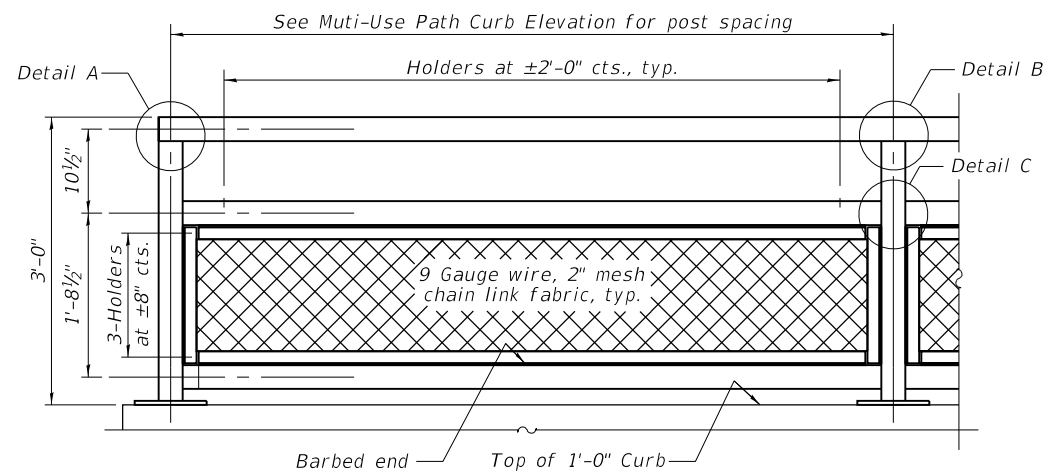
SHEET 5-75 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			68F38	
ILLINOIS FED. AID PROJECT				

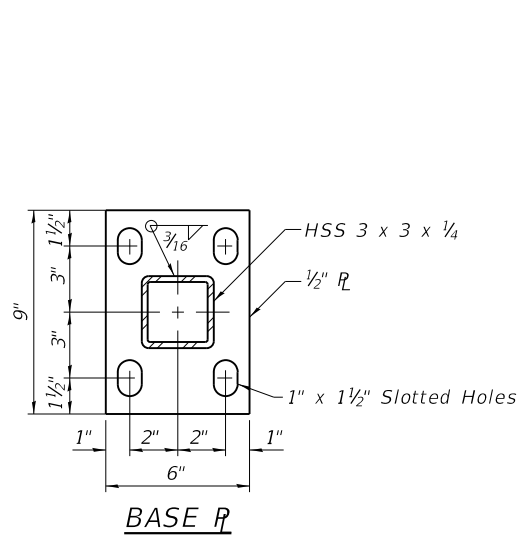
REV. 11/5/22



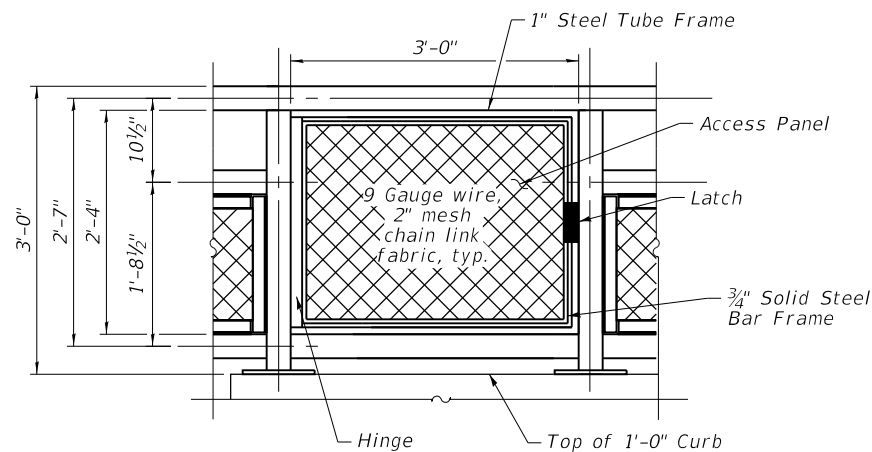
PARAPET RAILING ELEVATION
(Inside Face of Two Element Rail)



TYPICAL BRIDGE FENCE RAILING (SPECIAL) ELEVATION

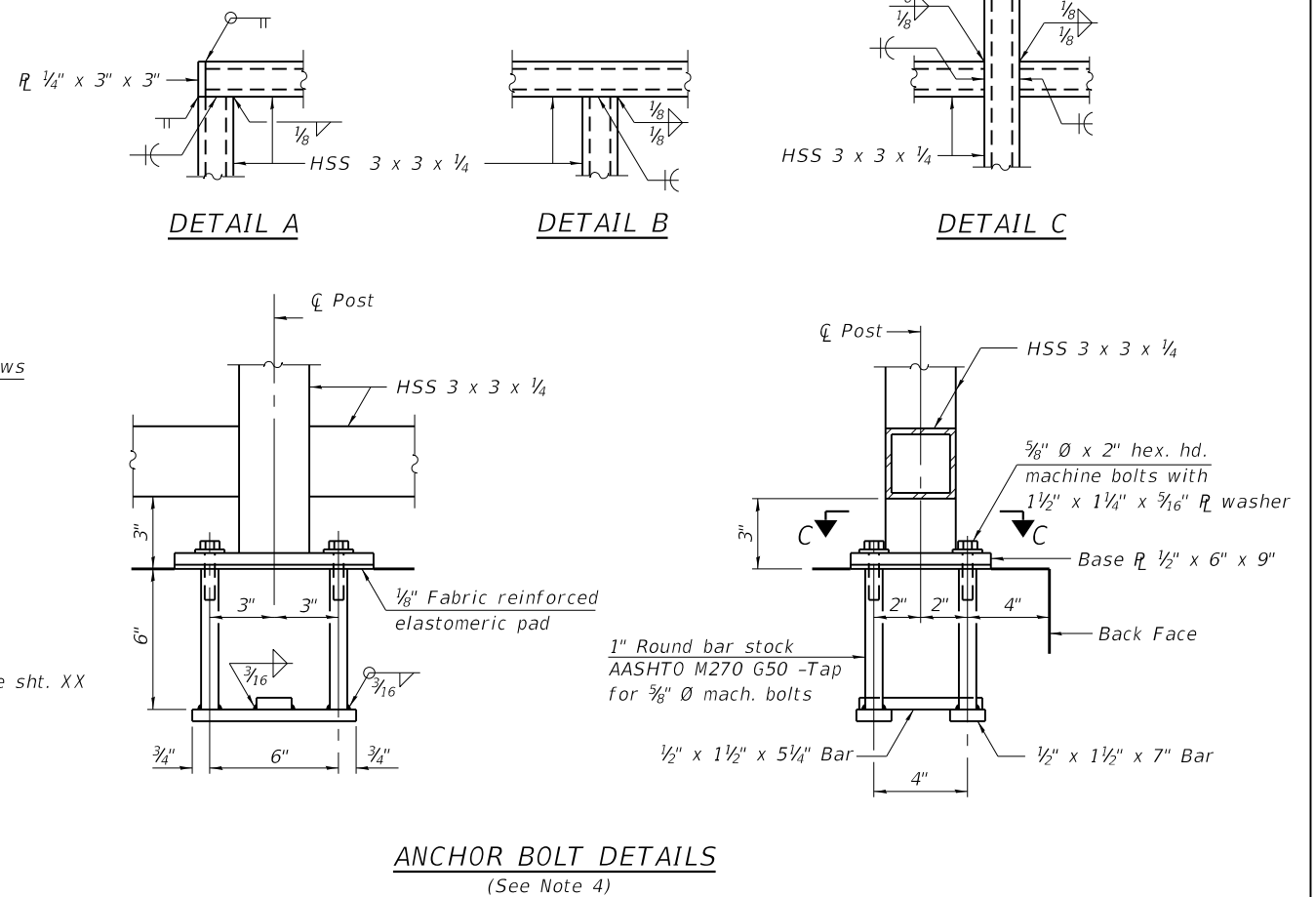


BASE R

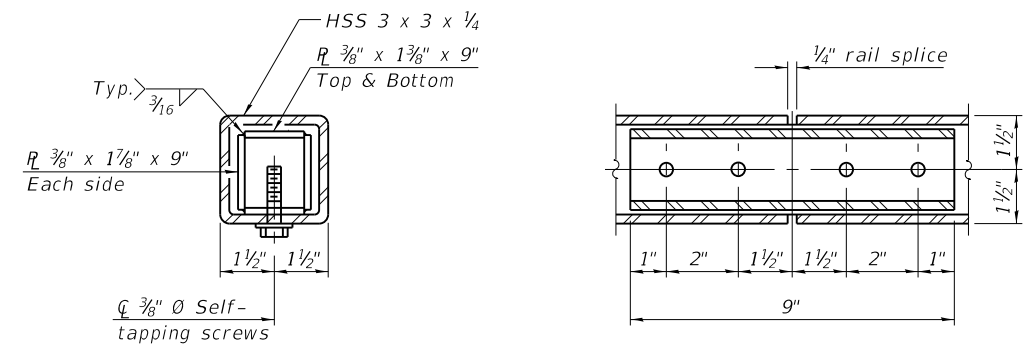


GATE DETAIL

Gate detail to be used at Navigation Light, see lighting plans for location. Cost included in "Bridge Fence Railing (Special)"



ANCHOR BOLT DETAILS
(See Note 4)



RAIL SPLICE

NOTES:

- All structural steel tubing, post, and railing for parapet shall be CVN tested according to 1006.34(b) of the Standard Specifications. CVN testing may be omitted for the Bridge Fence Railing (Special).
- All structural steel rail elements, including posts, railing, splices, anchor devices, plates, and fasteners, shall be hot dipped galvanized in accordance with AASHTO M 111.
- All chain link fence elements, including chain link fabric, ties, tensioning components, and fittings, shall be hot dipped galvanized in accordance with AASHTO M 111.
- In lieu of the cast-in-place anchor device shown, the CONTRACTOR has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specification.
- For Section A-A see Sheet S-79

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing (Special)	Foot	2,642
Parapet Railing	Foot	2,365

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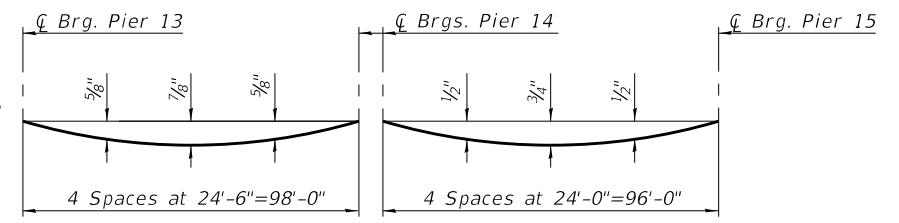
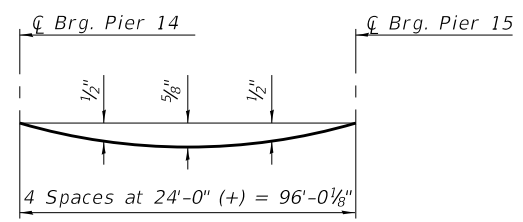
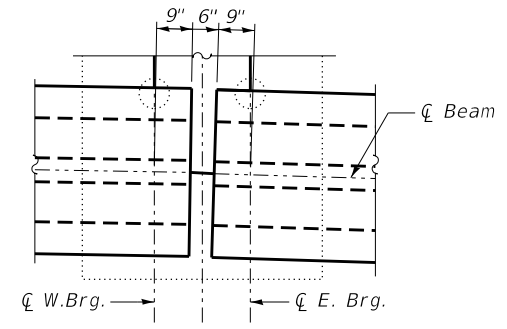
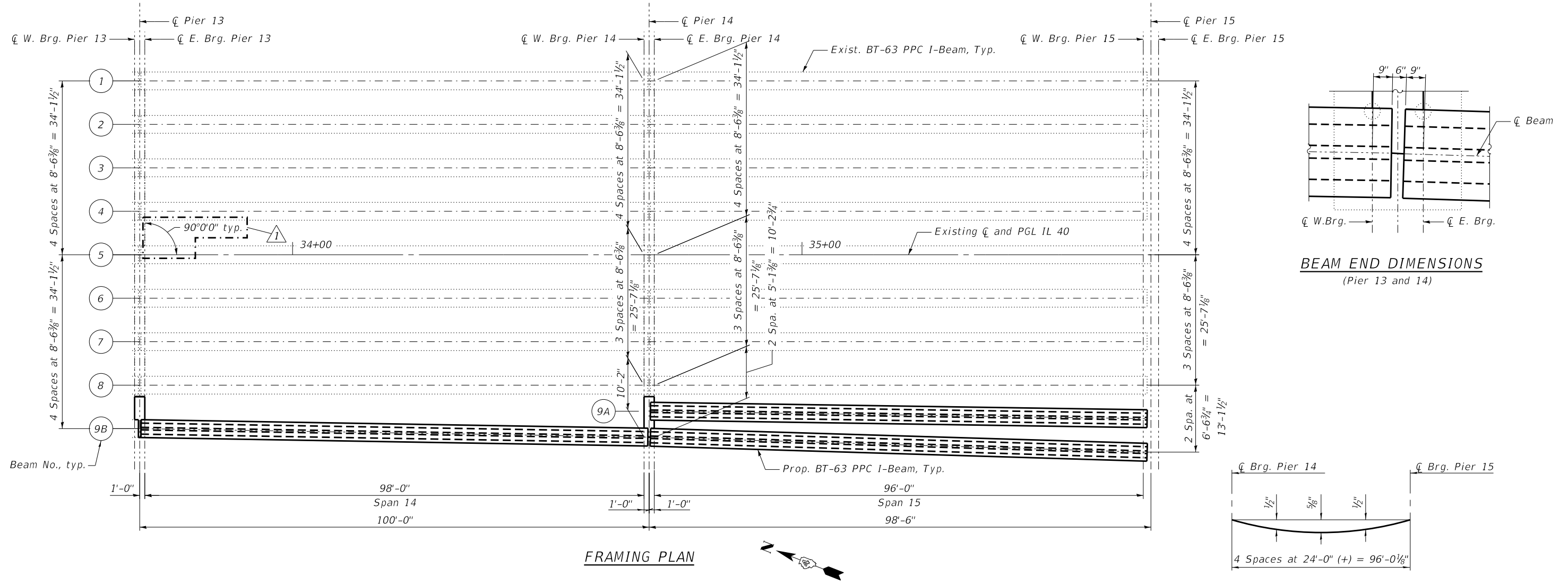
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DRAWN - SBA	REVISIONS -	
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PLOT DATE = 11/01/22	DATE - 11/01/22	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE FENCE RAILING (SPECIAL) & PARAPET RAILING I
STRUCTURE NO. 090-0122**

SHEET 5-78 OF S-122 SHEETS

F.A.P. RTE. 404	SECTION 50 (BDR, BJR, BRR, L)	COUNTY -	TOTAL SHEETS 286	SHEET NO. 209
CONTRACT NO. 68F38			ILLINOIS / FED. AID PROJECT	



INTERIOR BEAM 9A MOMENT TABLE		
		0.5 Sp. 15
I	(in ⁴)	392,638
I'	(in ⁴)	737,987
Sb	(in ³)	12,224
Sb'	(in ³)	16,075
St	(in ³)	12,715
St'	(in ³)	29,414
Q	(k/ft)	1.407
M _Q	(k)	1,638
s _Q	(k/ft)	0.310
M _{s_Q}	(k)	361
M _L	(k)	776
MI	(k)	171

EXTERIOR BEAM 9B MOMENT TABLE				
		0.5 Sp. 14	Pier 14	0.6 Sp. 15
I	(in ⁴)	392,638	392,638	392,638
I'	(in ⁴)	799,411	815,991	772,843
Sb	(in ³)	12,224	12,224	12,224
Sb'	(in ³)	16,537	16,653	16,343
St	(in ³)	12,715	12,715	12,715
St'	(in ³)	35,279	37,091	32,596
Q	(k/ft)	1.616	1.554	1.492
M _Q	(k)	1,940	---	1,673
s _Q	(k/ft)	0.310	0.310	0.310
M _{s_Q}	(k)	200	564	341
M _L	(k)	633	491	687
MI	(k)	139	110	158

INTERIOR BEAM 9A MOMENT TABLE			
		Pier 14	Pier 15
R _Q	(k)	73.5	69.0
R _{s_Q}	(k)	14.9	14.9
R _L	(k)	30.2	38.8
RI	(k)	6.6	8.5
R _{Total}	(k)	125.2	131.2

EXTERIOR BEAM 9B MOMENT TABLE						
		Pier 13	Pier 14	Pier 15		
R _Q	(k)	84.1	82.5	81.5	72.4	73.4
R _{s_Q}	(k)	56.8	62.9	20.6		
R _L	(k)	71.8	60.6	36.7		
RI	(k)	15.8	13.6	8.4		
R _{Total}	(k)	311.0	290.9	139.1		

I: Non-composite moment of inertia of beam section (in⁴).
 I': Composite moment of inertia of beam section (in⁴).
 Sb: Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
 Sb': Composite section modulus for the bottom fiber of the prestressed beam (in³).
 St: Non-composite section modulus for the top fiber of the prestressed beam (in³).
 St': Composite section modulus for the top fiber of the prestressed beam (in³).
 Q: Un-factored non-composite dead load (kips/ft.).
 M_Q: Un-factored moment due to non-composite dead load conservatively taken at 0.5 of the span (kip-ft.).
 s_Q: Un-factored long-term composite (superimposed) dead load (kips/ft.).
 M_{s_Q}: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
 M_L: Un-factored live load moment on the composite section (kip-ft.).
 MI: Un-factored moment due to impact on the composite section (kip-ft.).
 * At continuous piers, reactions from composite loads are assumed to be equally distributed to each bearing line.

DEAD LOAD DEFLECTION DIAGRAM LINE 9A
(Includes weight of concrete, excluding beams).

DEAD LOAD DEFLECTION DIAGRAM LINE 9B
(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

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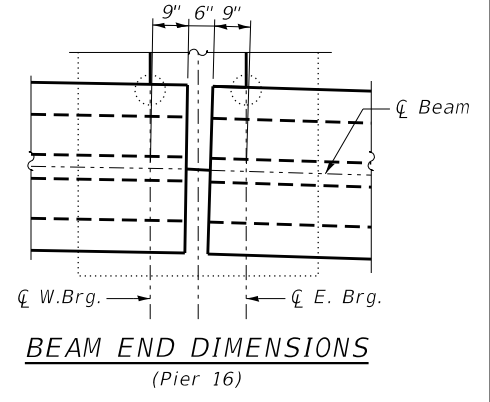
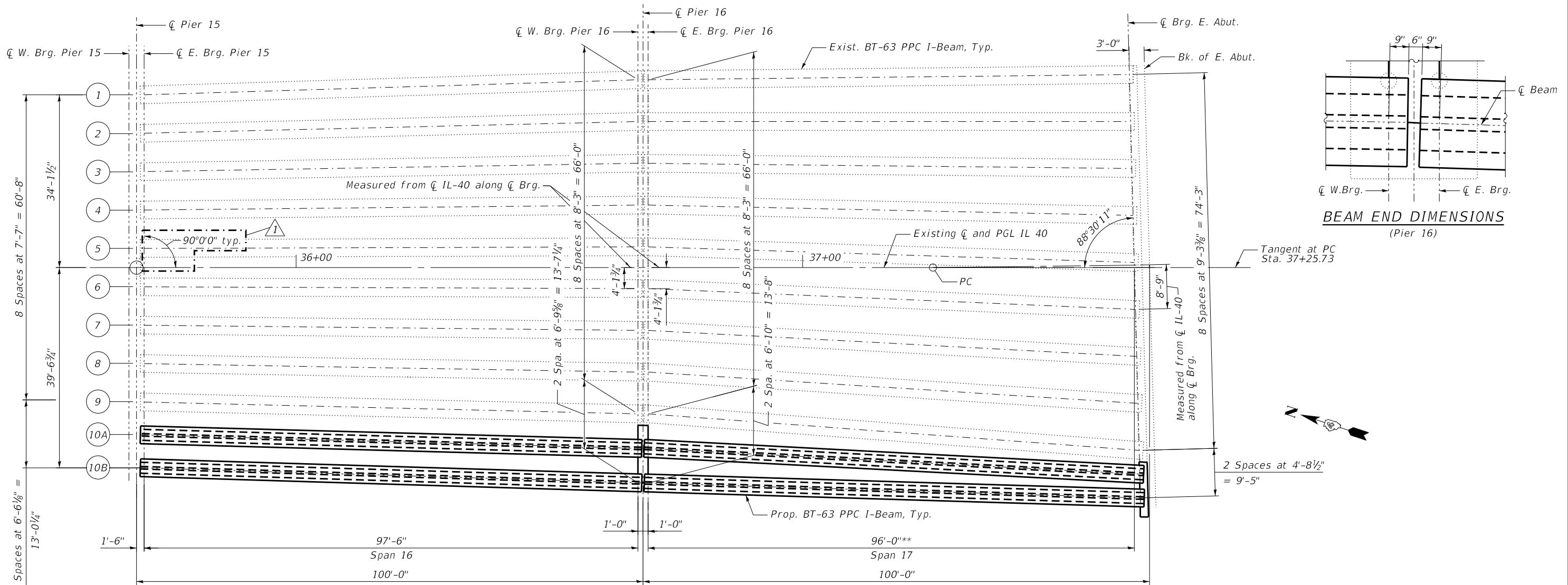
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FRAMING UNIT 4
STRUCTURE NO. 090-0122

SHEET 5-86 OF S-122 SHEETS

F.A.P. RTE. 404	SECTION 50 (BDR, BJR, BRR, L)	COUNTY	TOTAL SHEETS 286	SHEET NO. 217
CONTRACT NO. 68F38			ILLINOIS FED. AID PROJECT	



PLAN

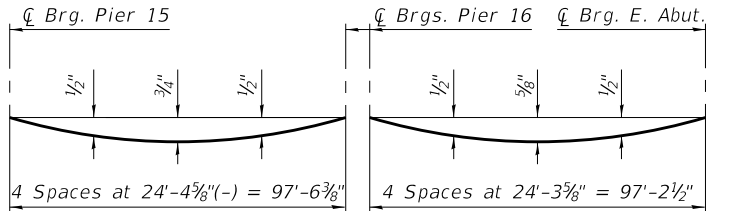
INTERIOR BEAM 10A MOMENT TABLE			
	0.4 Sp. 16	Pier 16	0.6 Sp. 17
I	(in ⁴)	392,638	392,638
I'	(in ⁴)	730,555	693,896
Sb	(in ³)	12,224	12,224
Sb'	(in ³)	16,017	15,717
St	(in ³)	12,715	12,715
St'	(in ³)	28,773	25,843
Q	(k/ft)	1.472	1.570
M _Q	(k)	1,749	1,570
S _Q	(k/ft)	0.499	0.499
M _{S_Q}	(k)	351	340
M _L	(k)	741	594
MI	(k)	163	137

EXTERIOR BEAM 10B MOMENT TABLE			
	0.4 Sp. 16	Pier 16	0.6 Sp. 17
I	(in ⁴)	392,638	392,638
I'	(in ⁴)	739,281	724,138
Sb	(in ³)	12,224	12,224
Sb'	(in ³)	16,085	16,324
St	(in ³)	12,715	12,715
St'	(in ³)	29,524	27,182
Q	(k/ft)	1.438	1.406
M _Q	(k)	1,710	1,662
S _Q	(k/ft)	0.499	0.499
M _{S_Q}	(k)	351	340
M _L	(k)	706	616
MI	(k)	155	142

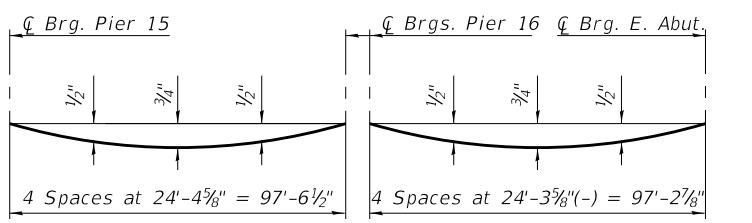
INTERIOR BEAM 10A REACTION TABLE			
	Pier 15	Pier 16	E. Abut.
R _Q	(k)	71.5	74.0
R _{S_Q}	(k)	18.8	18.7
R _L	(k)	37.5	46.7
RI	(k)	8.3	10.7
R _{Total}	(k)	126.7	136.0

EXTERIOR BEAM 10B REACTION TABLE			
	Pier 15	Pier 16	E. Abut.
R _Q	(k)	72.6	72.7
R _{S_Q}	(k)	18.8	18.7
R _L	(k)	33.5	31.3
RI	(k)	7.4	7.2
R _{Total}	(k)	132.3	122.7

- I: Non-composite moment of inertia of beam section (in⁴).
- I': Composite moment of inertia of beam section (in⁴).
- Sb: Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
- Sb': Composite section modulus for the bottom fiber of the prestressed beam (in³).
- St: Non-composite section modulus for the top fiber of the prestressed beam (in³).
- St': Composite section modulus for the top fiber of the prestressed beam (in³).
- Q: Un-factored non-composite dead load (kips/ft.).
- M_Q: Un-factored moment due to non-composite dead load conservatively taken at 0.5 of the span (kip-ft.).
- S_Q: Un-factored long-term composite (superimposed) dead load (kips/ft.).
- M_{S_Q}: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_L: Un-factored live load moment on the composite section (kip-ft.).
- MI: Un-factored moment due to impact on the composite section (kip-ft.).



DEAD LOAD DEFLECTION DIAGRAM LINE 10A
(Includes weight of concrete, excluding beams).



DEAD LOAD DEFLECTION DIAGRAM LINE 10B
(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

* At continuous piers, reactions from composite loads are assumed to be equally distributed to each bearing line.

NOTES:
**Span length parallel to CL-40
Tangent = 97'-0 1/4" for Beam 10A
and 97'-2 1/8" for Beam 10B

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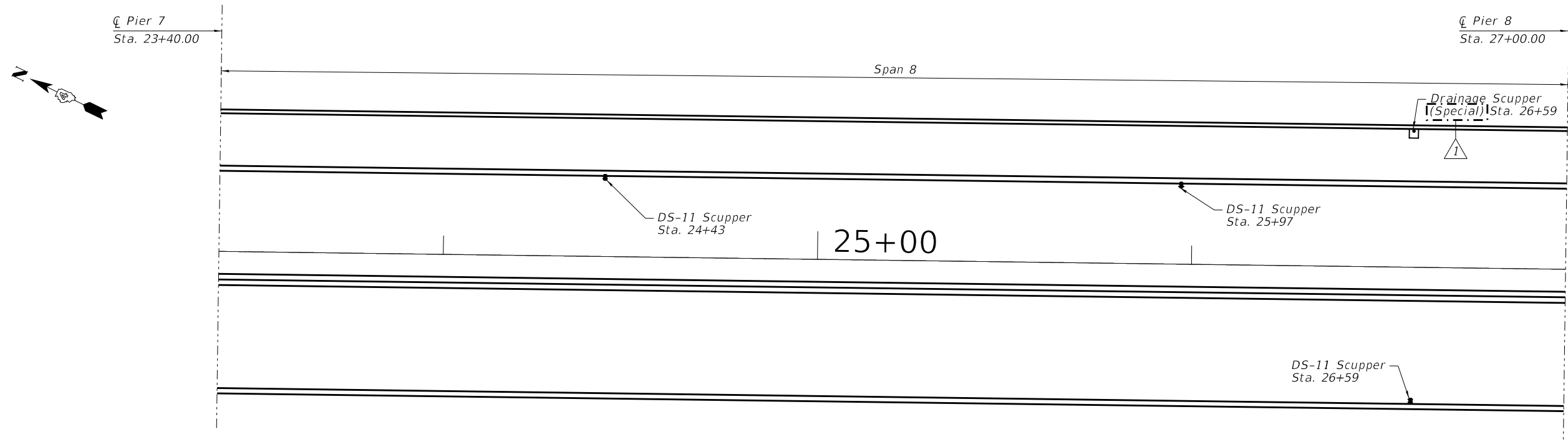
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

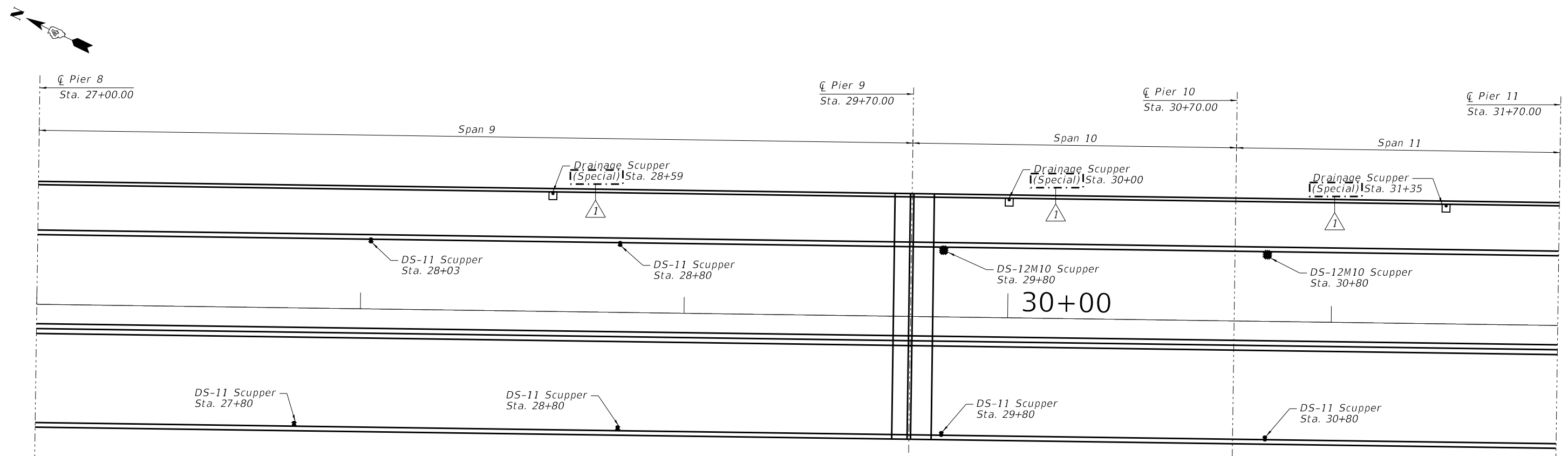
PROPOSED FRAMING UNIT 5
STRUCTURE NO. 090-0122

SHEET 5-87 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	218
CONTRACT NO.			68F38	



DECK DRAIN PLAN - SPAN 8



DECK DRAIN PLAN - SPANS 9 THRU 11

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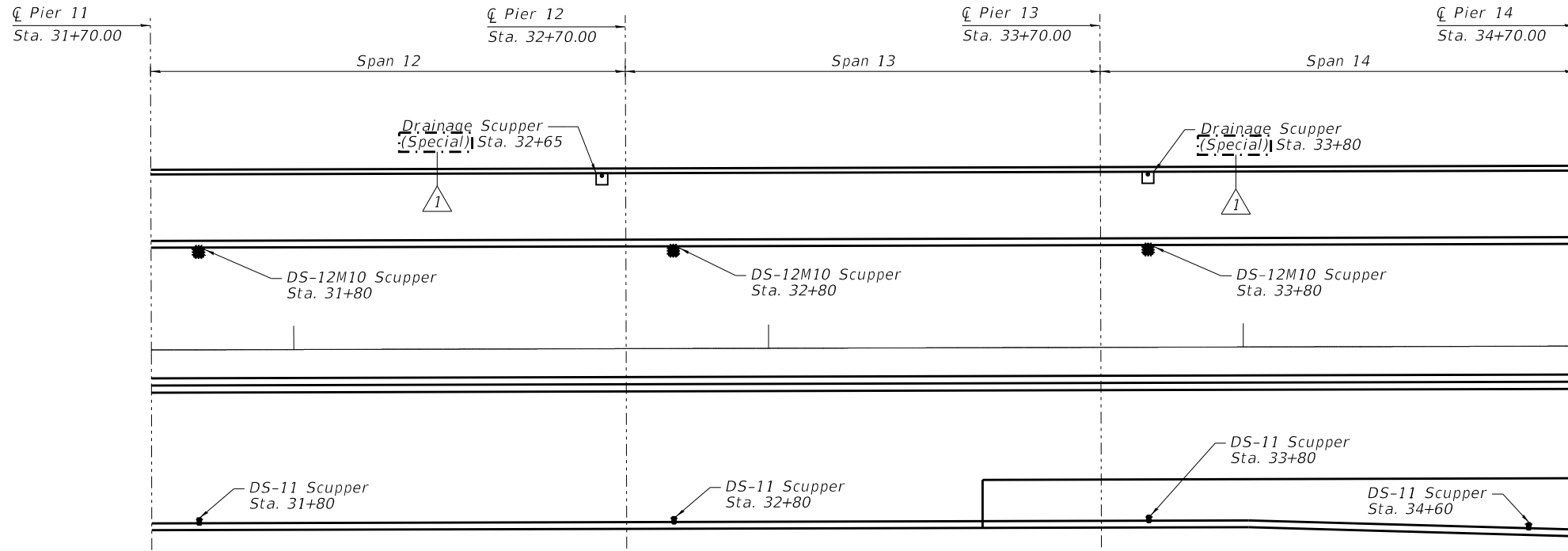
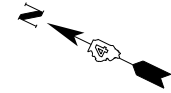
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

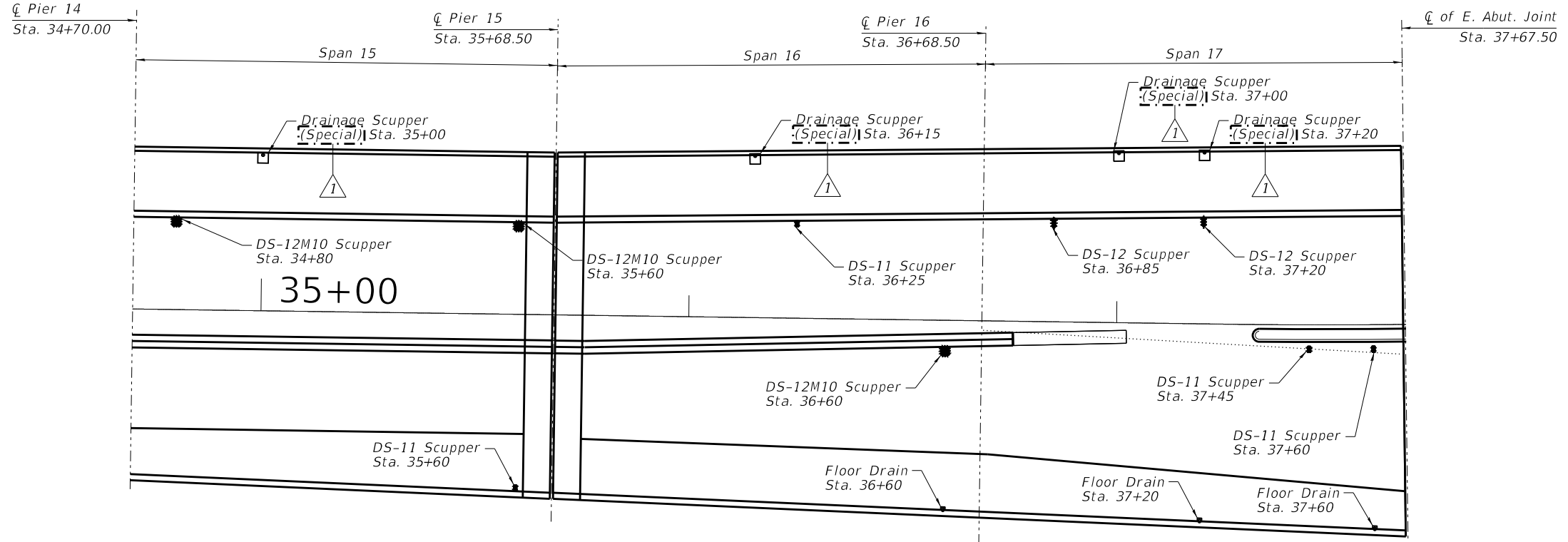
DRAINAGE PLAN II
 STRUCTURE NO. 090-0122

SHEET 5-97 OF S-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	228
CONTRACT NO. 68F38				
ILLINOIS		FED. AID PROJECT		



DECK DRAIN PLAN - SPANS 12 THRU 14



DECK DRAIN PLAN - SPANS 15 THRU 17

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

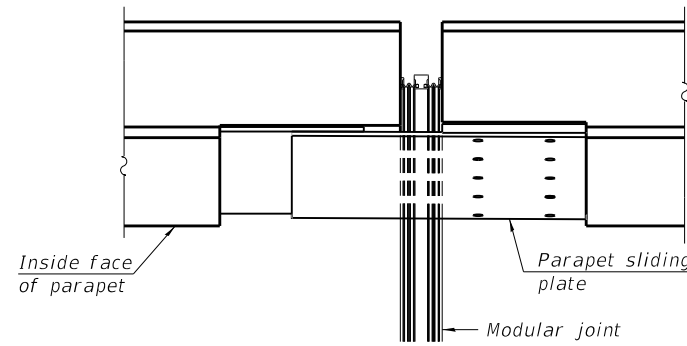
DRAINAGE PLAN III
 STRUCTURE NO. 090-0122

SHEET 5-98 OF 5-122 SHEETS

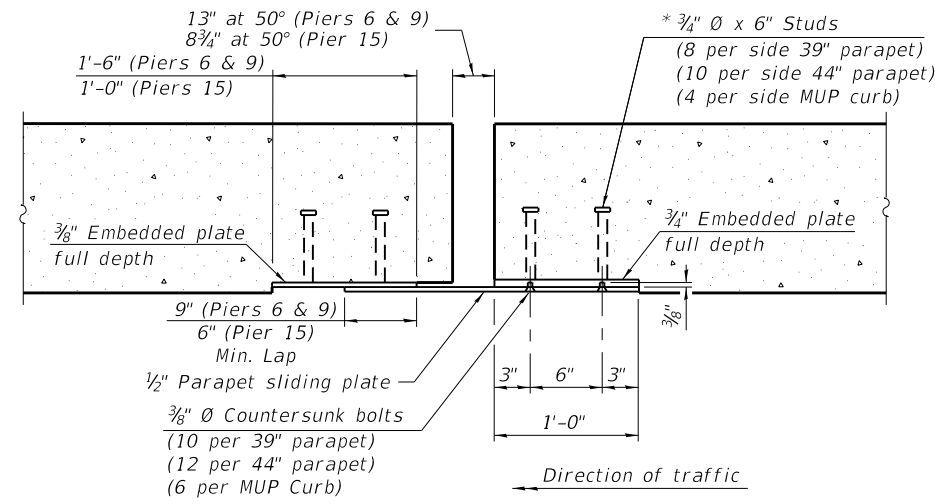
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CONTRACT NO.			68F38	

ILLINOIS FED. AID PROJECT

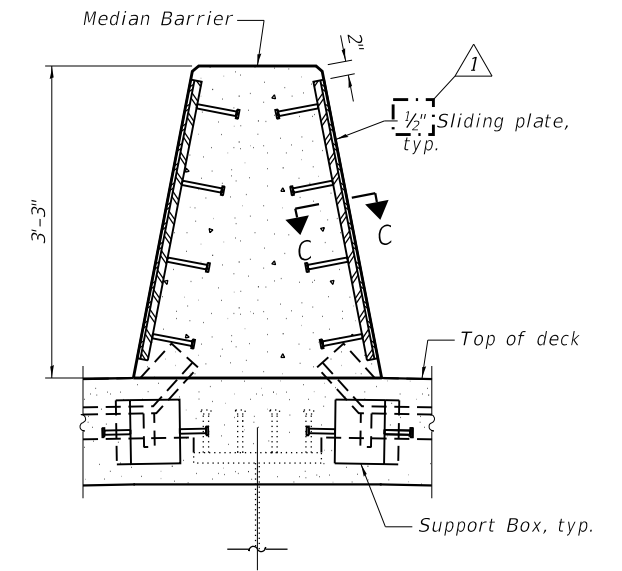
PEORIA / TAZEVELL
 REV. 11/5/22



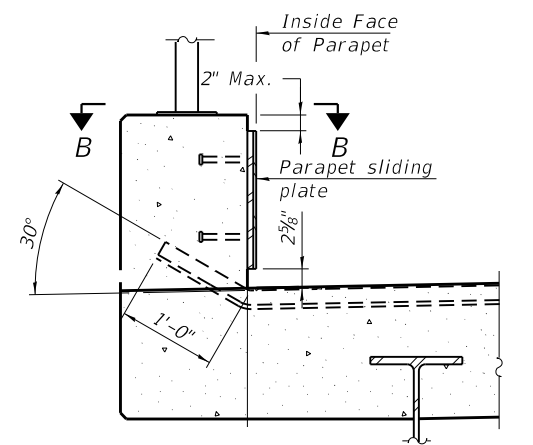
PLAN AT PARAPET



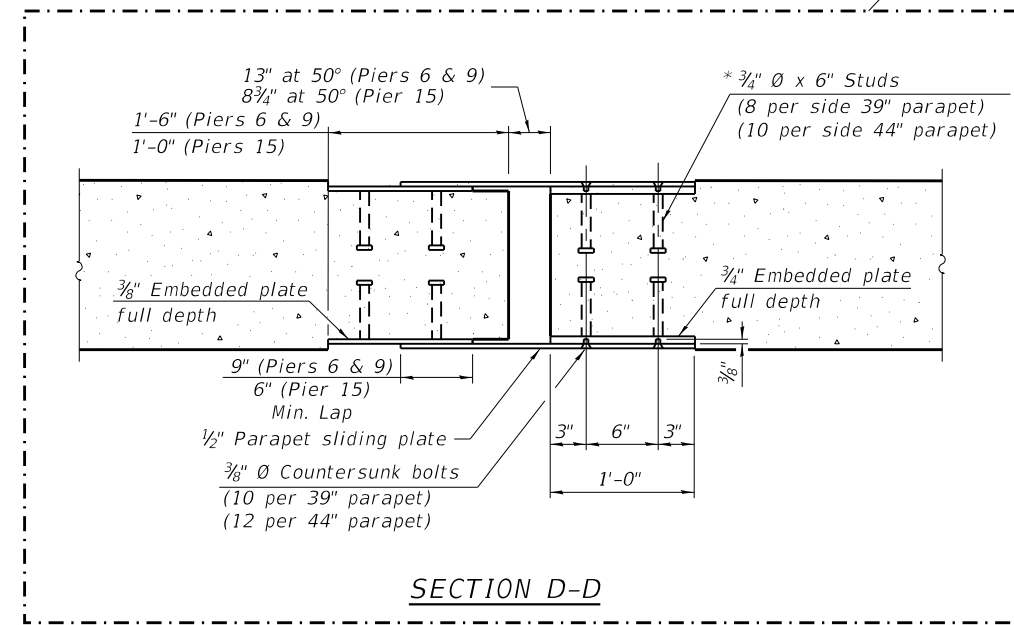
SECTION B-B AND C-C



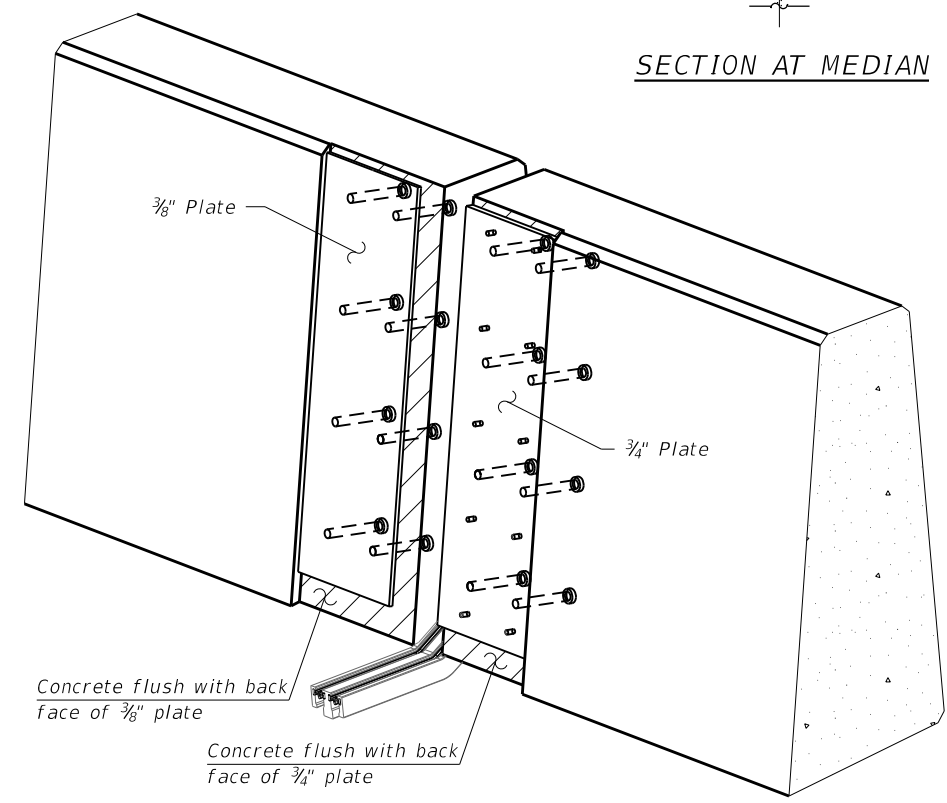
SECTION AT MEDIAN



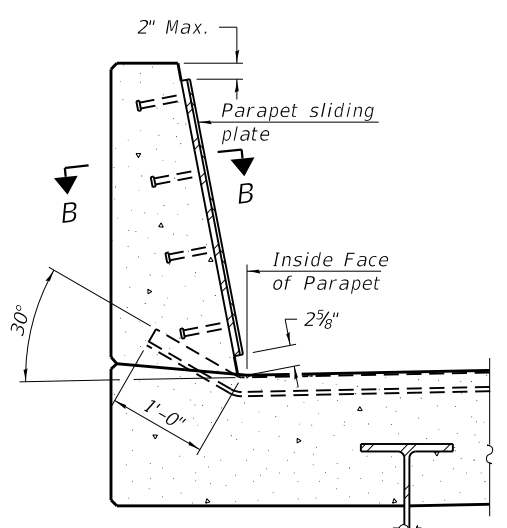
SECTION AT MULTI-USE PATH CURB



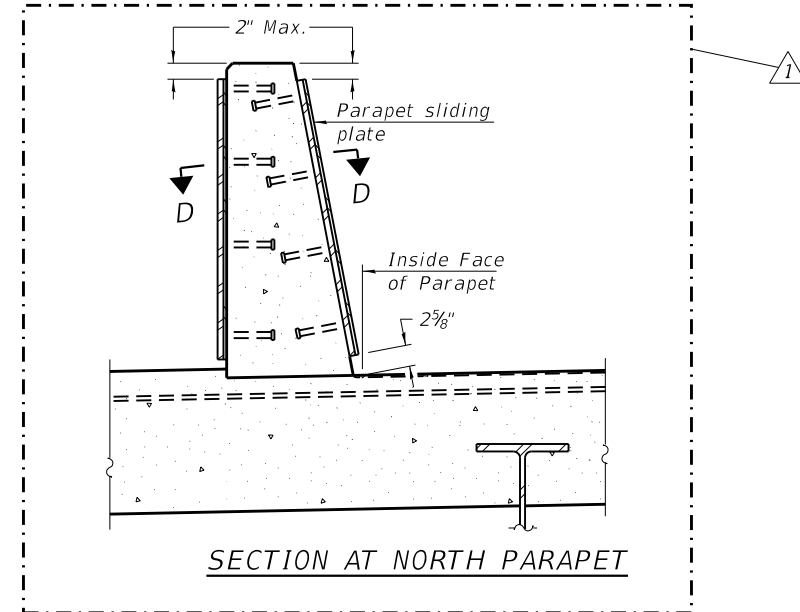
SECTION D-D



TRIMETRIC VIEW
(Showing embedded plates only)



SECTION AT SOUTH PARAPET



SECTION AT NORTH PARAPET

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Standard Specifications, automatically end welded.

Location	Total Long. Movement (in.)	Joint Size (in.)
Pier 6	8.3"	12"
Pier 9	9.4"	12"
Pier 15	5.0"	9"

BILL OF MATERIAL

Item	Unit	Quantity
Modular Expansion Joint 9"	Foot	78
Modular Expansion Joint 12"	Foot	154

NOTES:

- All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
- Cost of parapet sliding plates, embedded plates, and anchorage studs, is included with Modular Expansion Joint 9" and Modular Expansion Joint 12".
- Actual dimension of joint opening may vary based on modular joint manufacturer's design.

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
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODULAR EXPANSION JOINT DETAILS VI
STRUCTURE NO. 090-0122

SHEET 5-110 OF 5-122 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)	-	286	241
ILLINOIS FED. AID PROJECT			CONTRACT NO.	68F38

THIS SHEET LEFT INTENTIONALLY BLANK

				REVISED	 11/3/22	EPS		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	50 (BDR, BJR, BRR, L)		286	255
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F38	