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FILE Name: W:\asun\JlData\Project\104\11441\1IDOT - Sacramento and Paulina over I-200\Ver\QAQC\Sacramento\2025.10.16-revised_PSE_Plans\Revised CAD files\162K65-sh-500.dgn

X = SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FED 10% STATE	100% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED * 10% State	90% FED* 10% State	90% FED* 10% State
				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY LIGHTING 0021	0021	0021	0021
				URBAN	URBAN	SN 016-0754	IDOT	IDOT*	CONGRESS	VAN BUREN
20101000	TEMPORARY FENCE	FOOT	1412	1412						
20200100	EARTH EXCAVATION	CU YD	4370	4370						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	344	344						
20800150	TRENCH BACKFILL	CU YD	71	71						
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1694	1694						
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1015	1015						
* 25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25						
* 25000310	SEEDING, CLASS 4	ACRE	0.25	0.25						
* 25000320	SEEDING, CLASS 5	ACRE	0.25	0.25						
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	383	383						
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	383	383						
25000750	MOWING	ACRE	10.00	10.00						
* 25003210	INTERSEEDING, CLASS 2A	ACRE	1.50	1.50						
* 25100115	MULCH, METHOD 2	ACRE	1.25	1.25						

* This change is applicable to the entire Summary of Quantities (Sheets 5-24)



USER NAME = amartinez	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	5
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

Rev. SK

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 2 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	6
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

 REVISED SHEET 1/2/2026

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FED 10% STATE	100% STATE	90% FED 10% STATE	90% FED 10% STATE	100% CDOT	100% CDOT	100% CDOT
				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY 0021	LIGHTING 0021	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021
				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1499	1499						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.5	0.5						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	124	124						
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	62	62						
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	46	46						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	20	20						
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	277	277						
42000060	WELDED WIRE REINFORCEMENT	SQ YD	193	193						
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	193	193						
42001300	PROTECTIVE COAT	SQ YD	2183	2179						
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	74	74						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6015	6015						
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1795	1795						
44000100	PAVEMENT REMOVAL	SQ YD	1745	1745						



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 3 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	7
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

REVISED SHEET 1/2/2026

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FED 10% STATE	100% STATE	90% FED 10% STATE	90% FED 10% STATE	100% CDOT	100% CDOT	100% CDOT
				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY 0021	LIGHTING 0021	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021
				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1087.5	1087.5						
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	369	369						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	562.5	562.5						
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2						
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2						
X	72000100	SIGN PANEL - TYPE 1	SQ FT	184	184					
X	72000200	SIGN PANEL - TYPE 2	SQ FT	30	30					
X	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3					
*	72400205	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1					
*	72400210	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1					
X	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	95	95					
*	72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	80	80					
*	73000100	WOOD SIGN SUPPORT	FOOT	103	103					
X	73304000	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	36		36				



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 10 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		2019-192-B-R	COOK	237	14
				CONTRACT NO. 62K65	
		ILLINOIS	FED. AID PROJECT		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 11 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	15
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

 REVISED SHEET 1/2/2026

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FED 10% STATE	100% STATE	90% FED 10% STATE	90% FED 10% STATE	100% CDOT	100% CDOT	100% CDOT
				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY 0021	LIGHTING 0021	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021
				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN
X	73602000	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	2			2			
*	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	4	4					
*	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	3	3					
X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	255	255					
X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7685	7685					
X	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	2460	2460					
X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1353	1353					
X	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	477	477					
X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	287	287					
X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	570	570					
	78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	87	87					
X	78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	38	38					
X	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	51	51					
X	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	689	689					
X	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	277	277					
*	78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	87	87					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 13 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	17
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

				CONSTRUCTION CODE							
				90% FED 10% STATE	100% STATE	90% FED 10% STATE	90% FED 10% STATE	100% CDOT	100% CDOT	100% CDOT	
				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY 0021	LIGHTING 0021	TRAFFIC SIGNALS 0021	SIGNALS 0021	
				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY								
X	82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	8				8			
X	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	13					13		
X	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	8				8			
X	87502640	TRAFFIC SIGNAL POST, ALUMINUM, 10'	EACH	6						3	3
X	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, BRACKET MOUNTED	EACH	5						3	2
X	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, MAST ARM MOUNTED	EACH	9						4	5
X	88040110	SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION, BRACKET MOUNTED	EACH	2						1	1
X	88040120	SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION, MAST ARM MOUNTED	EACH	2						1	1
X	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12						6	6
X	89000100	TEMPORARY TRAFFIC SIGNAL INSALLATION	EACH	2						1	1
X	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2						1	1
*	89502380	REMOVE EXISTING HANDHOLE	EACH	3					3		
	Z0004552	APPROACH SLAB REMOVAL	SQ YD	562	562						
	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	661			661				

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				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY 0021	LIGHTING 0021	TRAFFIC SIGNALS 0021	0021
				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN
*	X0322692	POLE STEEL, ANCHOR BASE, 12.5" DIAMETER, 3 GAUGE, 34'-6"	EACH	2						2
	X0323868	DRAINAGE RESTRICTOR	EACH	1	1					
	X0324198	REMOVAL OF ASBESTOS CEMENT CONDUIT	FOOT	1974		1974				
X	X0324478	CONDUIT IN TRENCH 3" PVC (SCHEDULE 40)	FOOT	1960					940	1020
X	X0324487	CONCRETE FOUNDATION, 30" DIAMETER, 11/4" ANCHOR RODS, 17-1/4" BOLT CIRCLE	EACH	2						2
X	X0324517	ELECTRICAL MANHOLE 3'X4'X4' WITH 30" FRAME AND LID	EACH	2					1	1
X	X0324519	CONCRETE FOUNDATION, 30" DIAMETER, 11/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE, 9 FEET	EACH	1					1	
	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	2438	2438					
X	X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	5	5					
*	X0325839	SIGNAL TIMING	L SUM	1	1					
*	X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	970				970		
	X0326801	COMBINED SEWERS TO BE CLEANED	FOOT	299	299					
	X1400084	PEDESTRIAN PUSH BUTTON POST (5')	EACH	5					3	2
X	X1400202	LUMINAIRE (SPECIAL)	EACH	6				6		
X	X1400382	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 19/C	FOOT	1781					865	916

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 16 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	20
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

1 REVISED SHEET 1/2/2026

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				ROADWAY 0004	SAFETY 0005	BRIDGE 0013	ROADWAY 0021	LIGHTING 0021	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021
				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN
X2080251	TRENCH AND BACKFILL WITH SCREENINGS	FOOT	2021						972	1049
X2503110	MOWING (SPECIAL)	ACRE	2	2						
X2503315	INTERSEEDING, CLASS 4A (MODIFIED)	ACRE	0.70	0.70						
X2503321	INTERSEEDING, CLASS 5 (MODIFIED)	ACRE	0.50	0.50						
X2800500	INLET PROTECTION (SPECIAL)	EACH	1	1						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2						
X4062952	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	125	125						
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	159	159						
X4420828	CLASS D PATCHES, TYPE III, 12 INCH (SPECIAL)	SQ YD	19	19						
X4421788	CLASS D PATCHES, TYPE I, 12 INCH (SPECIAL)	SQ YD	4	4						
X5080530	BAR TERMINATORS	EACH	1,136			1,136				
X5504002	STORM SEWERS, DUCTILE IRON, TYPE 18"	FOOT	29	29						
X5537600	STORM SEWERS TO BE CLEANED 8"	FOOT	89		89					
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	212		212					



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 17 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	21
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

REVISED SHEET 1/2/2026

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				URBAN	URBAN	SN 016-0754	IDOT	CDOT	CONGRESS	VAN BUREN
* X7290002	INSTALL ROUND STEEL SIGN SUPPORT	FOOT	119	119	1					
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	252	252						
* X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	252	252						
X X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12				12			
X X8100863	INTERCEPT EXISTING CONDUIT	EACH	1							1
X X8130108	JUNCTION BOX, POLE OR POST MOUNTED	EACH	8						4	4
X X8250500	LIGHTING UNITCOMPLETE (SPECIAL)	EACH	4					4		
X X8362247	CONCRETE FOUNDATION, 24" DIAMETER, 11/4" ANCHOR RODS, 15" BOLT CIRCLE, 7 FEET	FOOT	2						1	1
X X8362249	CONCRETE FOUNDATION, 24" DIAMETER, 11/4" ANCHOR RODS, 15" BOLT CIRCLE, 9 FEET	FOOT	3						3	4
X X8400104	MAINTENANCE OF STREET LIGHTING SYSTEM	L SUM	1					1		
X X8570102	INTERSECTION TECHNOLOGY ENHANCEMENTS	EACH	2						1	1
X X8570304	ADVANCED TRANSPORTATION CONTROLLER, 16 LOAD BAY, "SUPER P" CABINET UPS	EACH	2						1	1
X X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F, SM12F	FOOT	650						650	
X X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12						6	6
X X8774126	MAST ARM, STEEL, MONOTUBE, 26 FOOT	EACH	3						3	1



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DEPARTMENT OF TRANSPORTATION

SACRAMENTO BOULEVARD OVER FAI-290 (EISENHOWER EXPRESSWAY)
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 19 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	23
CONTRACT NO. 62K65				
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1 REVISED SHEET 1/2/2026

REV-SEP

All structural steel shall be galvanized. See special provision for "Hot Dip Galvanizing for Structural Steel".

Calculated weight of structural steel:
Grade 50 = 657,760 lbs
Grade 36 = 32,710 lbs

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

Fasteners shall be ASTM F3125 Grade A325 Type 1. Fasteners shall be hot dip galvanized. See special provision for "Hot Dip Galvanizing for Structural Steel". Bolts $\frac{7}{8}$ " Ø, holes $\frac{15}{16}$ " Ø, unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.

The finishing machine rails shall be placed on the top of the top flange of the exterior beams within the deck pour. Beam blocks shall be placed between beams at all tie locations in each bay for the full width of the deck pour.

Slipforming of the parapets is not allowed.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ " (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

A Concrete Sealer shall be applied to all new and repaired concrete on piers and to the existing pier faces adjacent to I-290. The Concrete Sealer shall be a "film forming" type for horizontal surfaces. Before the sealer application, existing surfaces shall be power washed in accordance with the applicable portions of Section 592 of the latest IDOT Standard specifications for Road and Bridge Construction.

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.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The existing utilities attached to the bridge contain asbestos. The Contractor shall take appropriate precautions to address the presence of asbestos on this project. The removal procedure shall comply with all City of Chicago, State, and Federal regulations.

Salvaged materials shall be delivered to the District Maintenance Yard as directed by the Engineer. Cost included with Removal of Existing Superstructures.

The Contractor shall submit Full Construction Process Plan to CTA for review and approval. Contractor shall minimize impacts to Rail Operations. See Special Provisions.

Bridge fence railing, curved shall be galvanized.

The Contractor shall salvage the existing aluminum Bridge Railing including all posts, railings, all attachments and the aluminum Pedestrian Fence and Railing. The aluminum Bridge Railing and aluminum Pedestrian Fence and Railing shall be transported and unloaded by the Contractor to the District Bridge Yard in Elk Grove Village at 1101 Biesterfeld Road during the week days Monday-Friday, and between the hours of 8 am and 2 pm. The Contractor shall notify the District Bridge Office 48 hours in advance of the delivery at (847) 956-1444. Cost included in Removal of Existing Structure.

- S-1 General Plan and Elevation
- S-2 General Data
- S-3 General Sections
- S-4 Substructure Layout
- S-5 Removal Plan and Elevation
- S-6 Top of Slab Elevations I
- S-7 Top of Slab Elevations II
- S-8 Top of Slab Elevations III
- S-9 Top of Slab Elevations IV
- S-10 Top of South Approach Slab Elevations
- S-11 Top of North Approach Slab Elevations
- S-12 Superstructure
- S-13 Superstructure Details I
- S-14 Superstructure Details II
- S-15 Concrete Diaphragm Details
- S-16 Parapet Reveal Details
- S-17 Bridge Approach Slab Details (Sheet 1 of 2)
- S-18 Bridge Approach Slab Details (Sheet 2 of 2)
- S-19 Bridge Fence Railing, Curved (Sheet 1 of 2)
- S-20 Bridge Fence Railing, Curved (Sheet 2 of 2)
- S-21 Aluminum Railing Type L
- S-22 Steel Framing Plan and Details
- S-23 Moment Reaction Tables
- S-24 Structural Steel Details
- S-25 Bearing Details
- S-26 South Abutment Details
- S-27 North Abutment Details
- S-28 Wingwall Details
- S-29 MSE Wall Details I
- S-30 MSE Wall Details II
- S-31 Pier 1 Repairs
- S-32 Pier 1 Cap Concrete Extension
- S-33 Pier 2 Repairs
- S-34 Pier 2 Cap Concrete Extension
- S-35 HP Pile Details
- S-36 - S-37 Soil Boring Logs



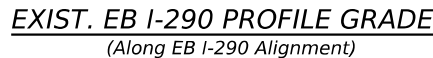
ITEM	UNIT	SUPER	SUB	TOTAL
AGGREGATE SUBGRADE IMPROVEMENT	CU YD		250	250
REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
CONCRETE REMOVAL	CU YD		625.6	625.6
PROTECTIVE SHIELD	SQ YD	1,612		1,612
STRUCTURE EXCAVATION	CU YD		3,809	3,809
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD		250	250
CONCRETE STRUCTURES	CU YD		150.0	150.0
CONCRETE SUPERSTRUCTURE	CU YD	795.3		795.3
BRIDGE DECK GROOVING	SQ YD	1,637		1,637
PROTECTIVE COAT	SQ YD	2,574		2,574
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	193.1		193.1
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
STUD SHEAR CONNECTORS	EACH	15,330		15,330
REINFORCEMENT BARS, EPOXY COATED	POUND	231,790	30,470	262,260
ALUMINUM RAILING, TYPE L	FOOT	104		104
BRIDGE FENCE RAILING, CURVED	FOOT	494		494
FURNISHING STEEL PILES HP14x89	FOOT		1,125	1,125
DRIVING PILES	FOOT		1,125	1,125
TEST PILE STEEL HP14X89	EACH		2	2
PILE SHOES	EACH		20	20
NAME PLATES	EACH	1		1
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	20		20
ANCHOR BOLTS, 3/4"	EACH		40	40
ANCHOR BOLTS, 1"	EACH		40	40
TEMPORARY SHEET PILING	SQ FT		2,460	2,460
MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT		4,357	4,357
CONCRETE SEALER	SQ FT		3,786	3,786
EPOXY CRACK INJECTION	FOOT		19	19
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		388	388
GRAFFITI REMOVAL	SQ YD		72	72
REMOVAL OF ASBESTOS CEMENT CONDUIT	FOOT	1,974		1,974
BAR TERMINATORS	EACH	424	712	1,136
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT		661	661
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT		44	44



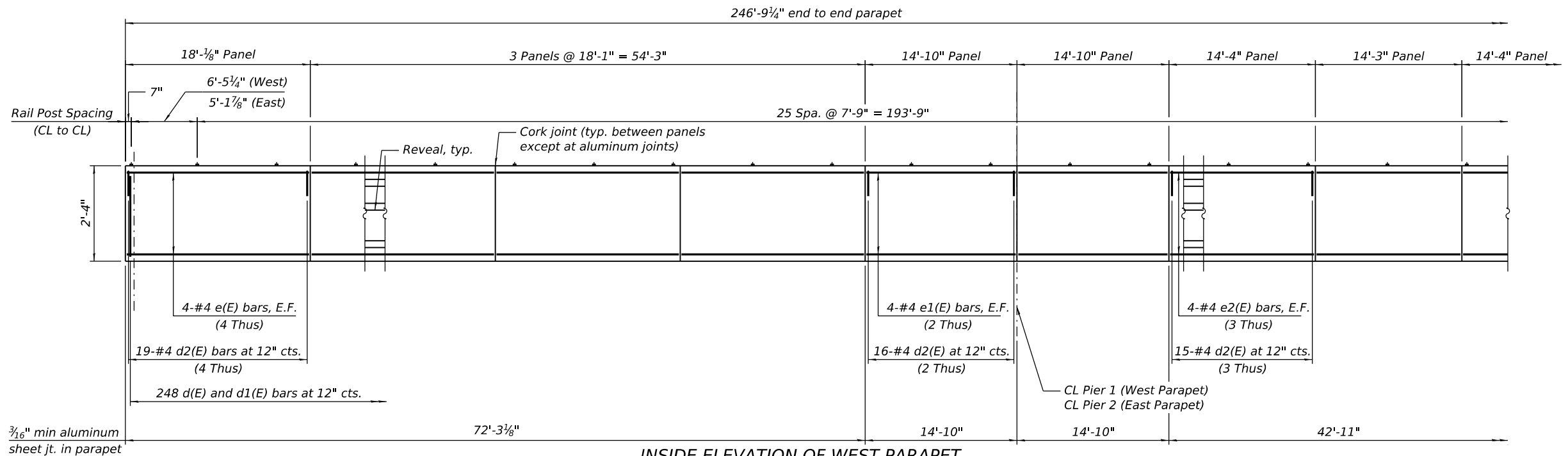
CURVE DATA

CURVE DATA

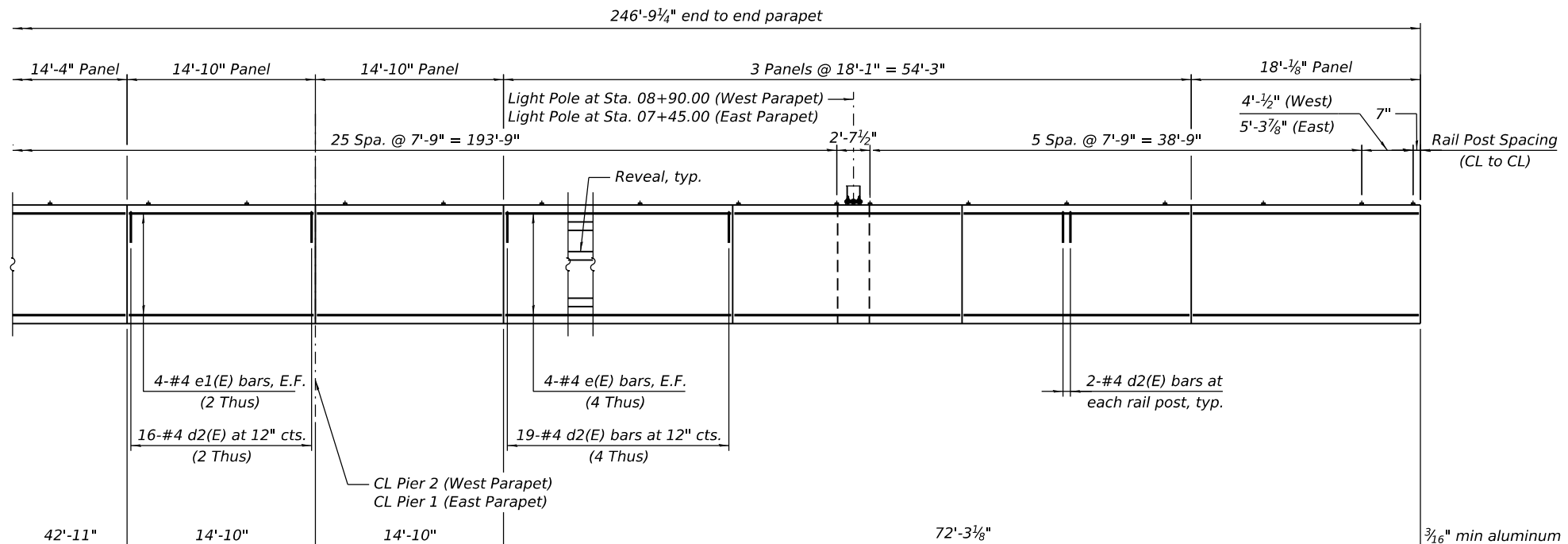
EXIST. WB I-290 PROFILE GRADE
(Along WB I-290 Alignment)



	NW Curbline	SW Curbline	NE Curbline	SE Curbline
Q (C.F.S.)	1.21	1.21	1.21	1.21



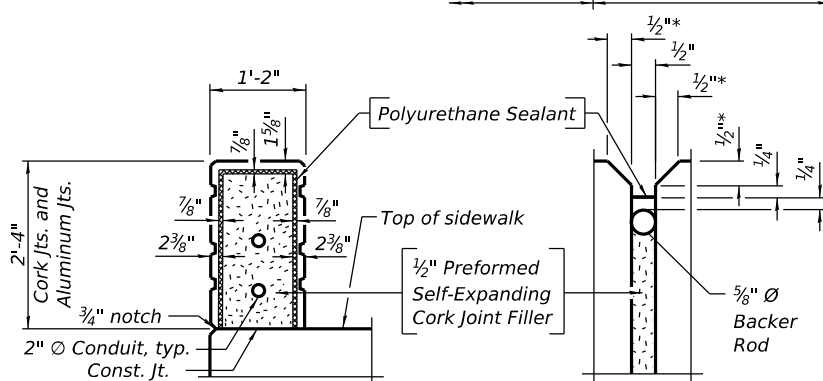
INSIDE ELEVATION OF WEST PARAPET
(East parapet similar U.N.O.)



INSIDE ELEVATION OF WEST PARAPET
(East parapet similar U.N.O.)

NOTES:

- Stations Shown Measured From CL of Sacramento St.
- All edges shall be chamfered 3/4".
- The reveal on the parapet will not be paid for separately and shall be included in the cost of "Concrete Superstructure".
- The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
- The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
- See Section Thru Parapet and Sidewalk on Sheet S-14
- See Reveal Pattern on Sheet S-16



PARAPET JOINT DETAILS

* 1/2" for top and reveal, 1 1/4" elsewhere

MINIMUM BAR LAP

#4 Bar=2'-7"
#5 Bar=3'-10"

REVIS¹ SHEET 1/5/2026

REVIS¹

REVIS¹



USER NAME	=	DESIGNED	-	ME	REVISED	12/30/2025 S.U.R.
		CHECKED	-	JL	REVISED	-
PLOT SCALE	=	DRAWN	-	ME	REVISED	-
PLOT DATE	=	CHECKED	-	JL	REVISED	-

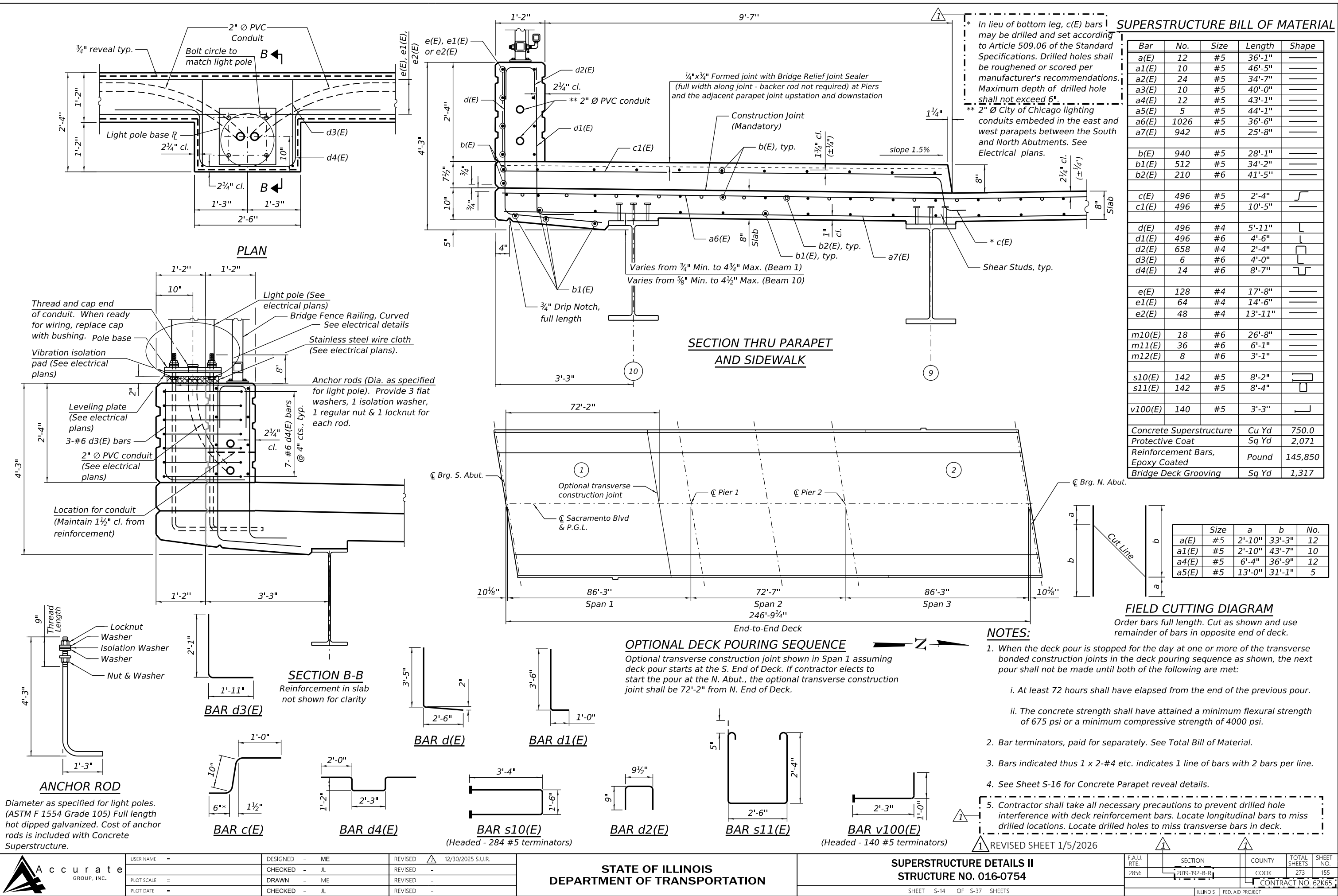
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS I
STRUCTURE NO. 016-0754

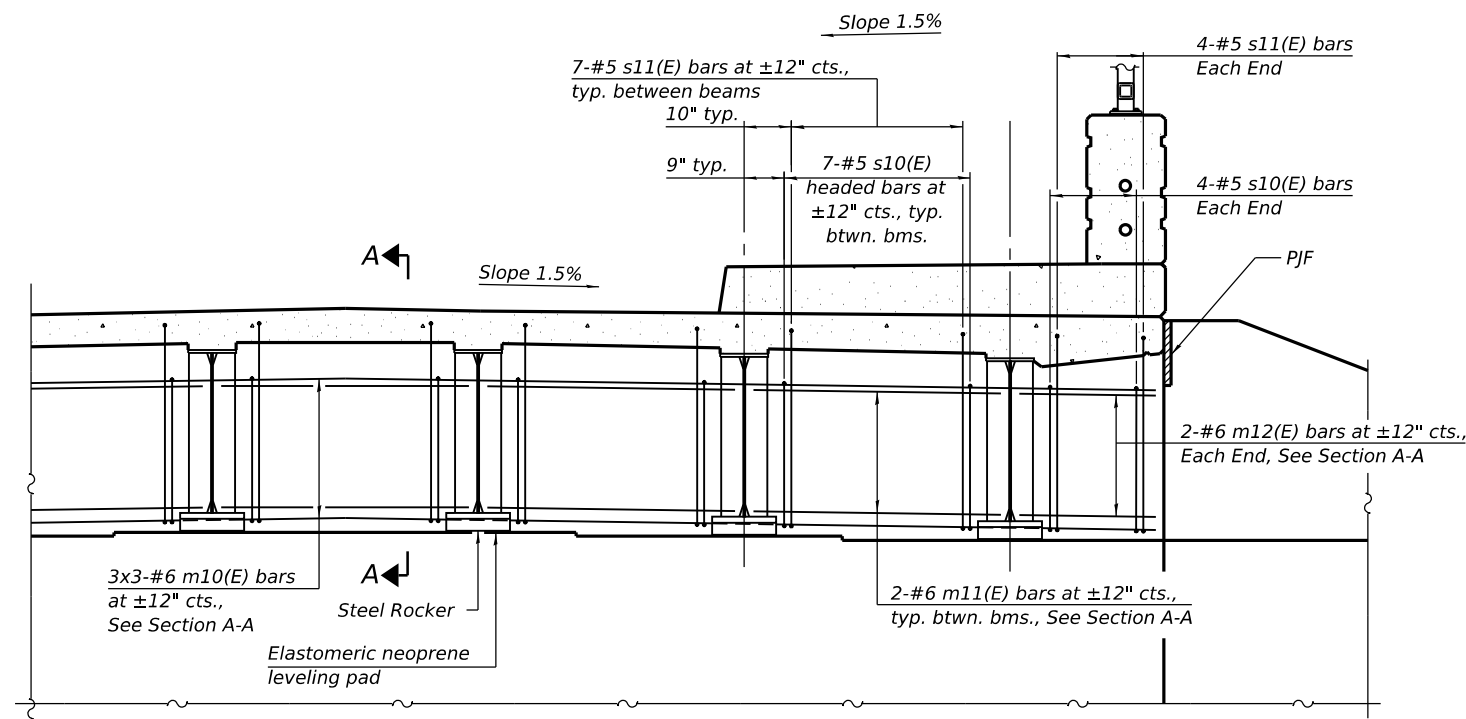
SHEET S-13 OF S-37 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2856	2019-192-B-R	COOK	273	154
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				

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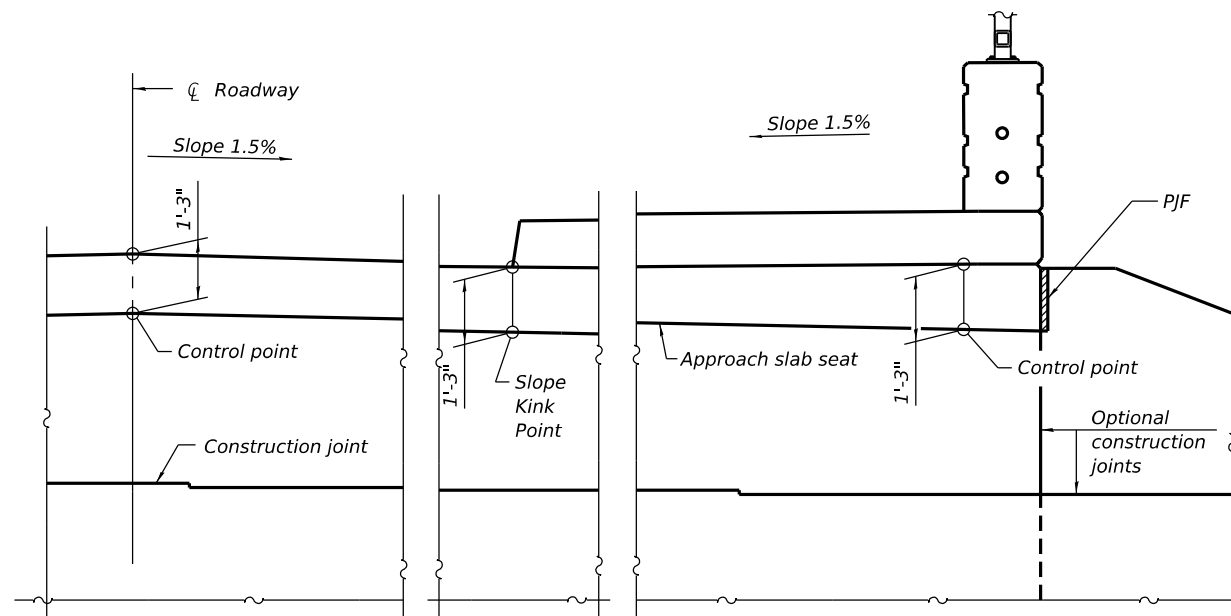
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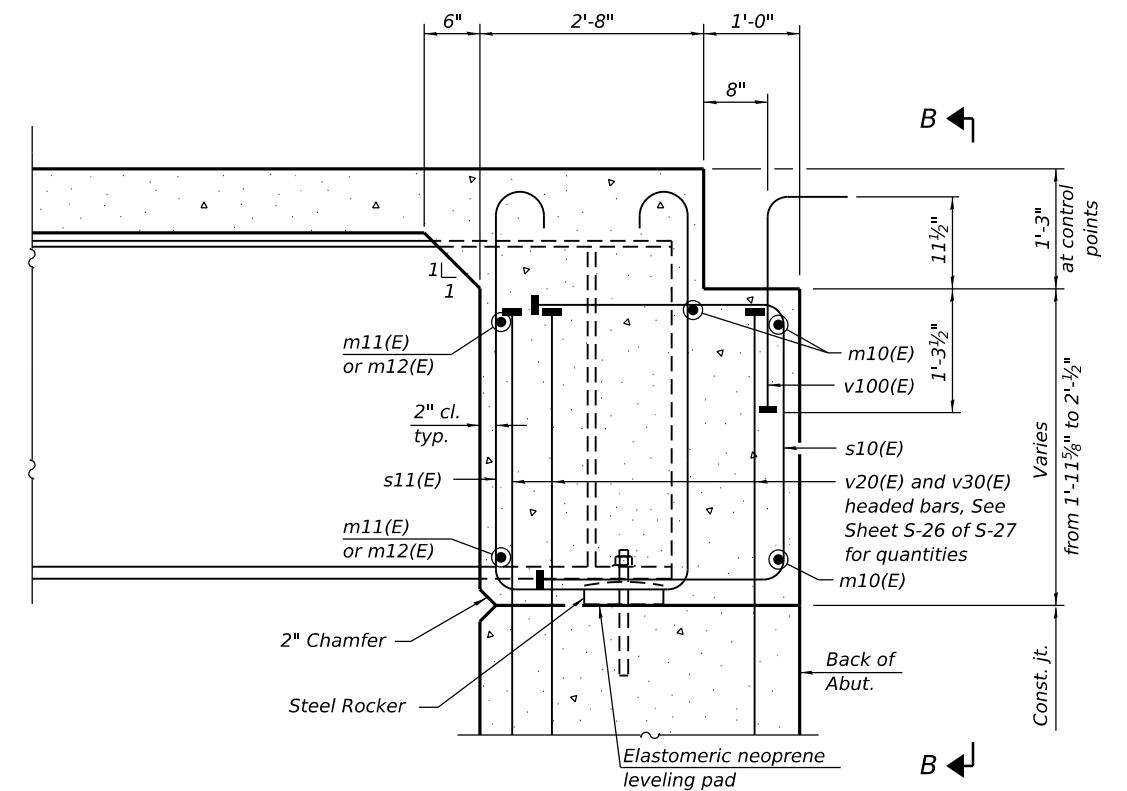
MINIMUM BAR LAP

#6 Bar = 5'-3"

DIAPHRAGM AT ABUTMENT

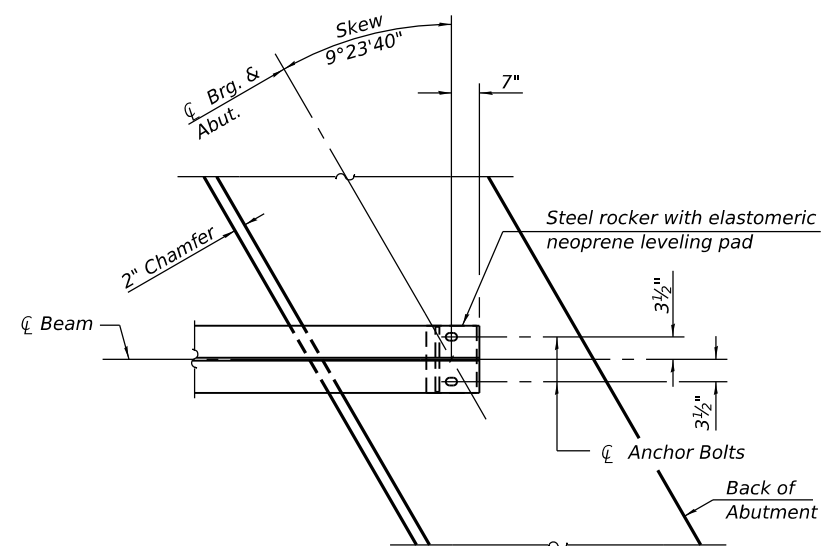


VIEW B-B



SECTION A-A

(at Rt. L's)
(See Pge S-29 for v(E) bars)



PLAN AT ABUTMENT

(Showing bottom flange of beam)

NOTES

1. See Sheet S-14 for superstructure details and Bill of Material.
2. The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to beams.
3. The approach slab seat shall have a constant slope determined from the control points shown.
4. See Sheet S-17 for P.J.F. details.

DIA-SB-R

4-4-2025



USER NAME	=		DESIGNED	-	ME	REVISED	12/30/2025 S.U.R.
CHECKED	-	JL	CHECKED	-	JL	REVISED	-
PLOT SCALE	=		DRAWN	-	ME	REVISED	-
PLOT DATE	=		CHECKED	-	JL	REVISED	-

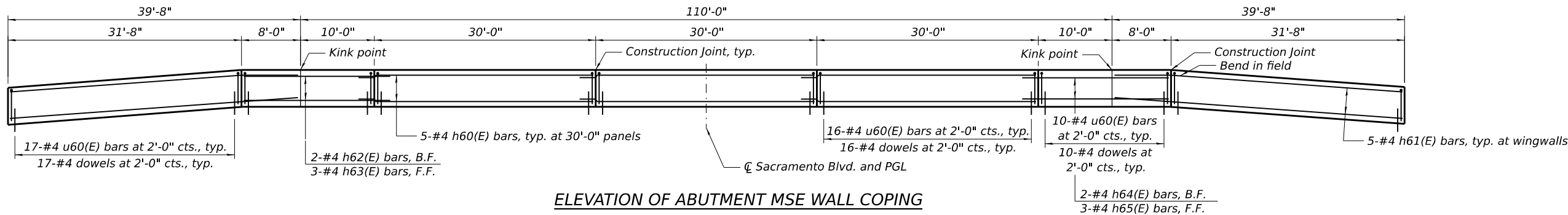
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE DIAPHRAGM DETAILS
STRUCTURE NO. 016-0754

SHEET S-15 OF S-37 SHEETS

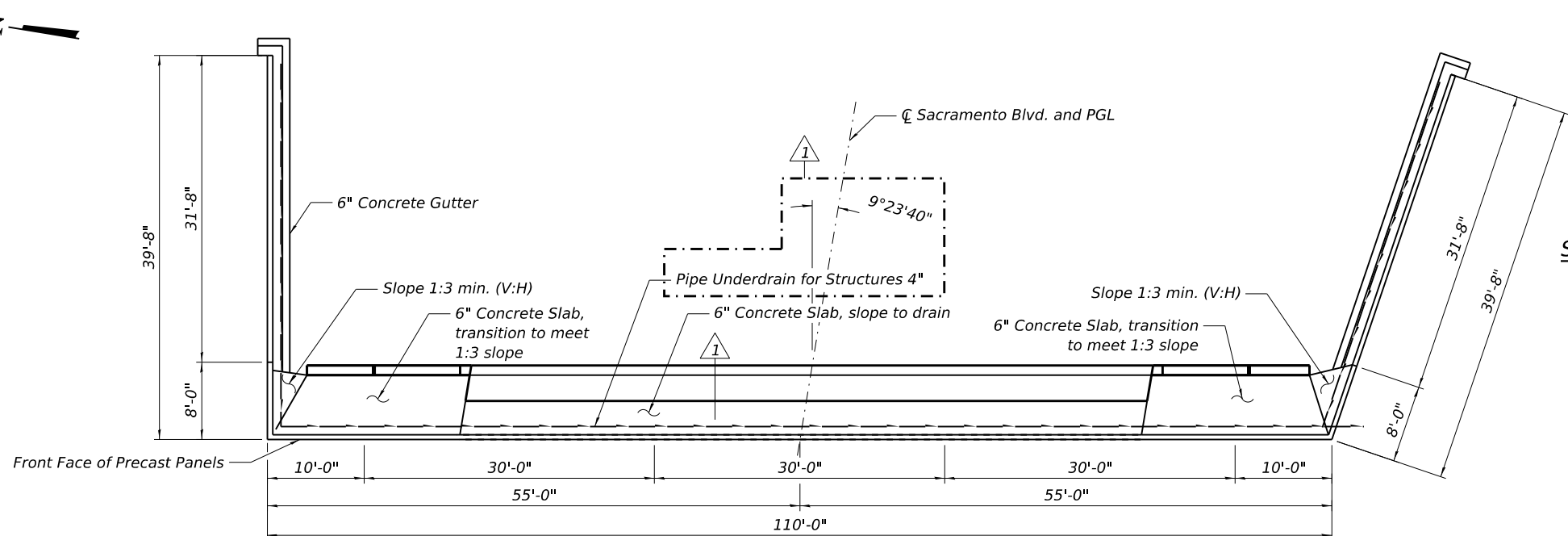
REVISED SHEET 1/5/2026

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2856	2019-192-B-R	COOK	273	156
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT				



ELEVATION OF ABUTMENT MSE WALL COPING
(South Abutment - Looking South) (North Abutment - Looking North)

MINIMUM BAR LAPS
#4 = 2'-2"



NORTH ABUTMENT MSE WALL PLAN
(North Abutment MSE Wall shown, South Abutment MSE Wall similar)

**** BAR LIST**
SOUTH ABUTMENT MSE WALL COPING

Bar	No.	Size	Length	Shape
h60(E)	15	#4	32'-0"	—
h61(E)	10	#4	39'-4"	—
h62(E)	2	#4	16'-11"	└
h63(E)	3	#4	17'-4"	└
h64(E)	2	#4	19'-7"	└
h65(E)	3	#4	19'-8"	└
u60(E)	102	#4	3'-10"	└

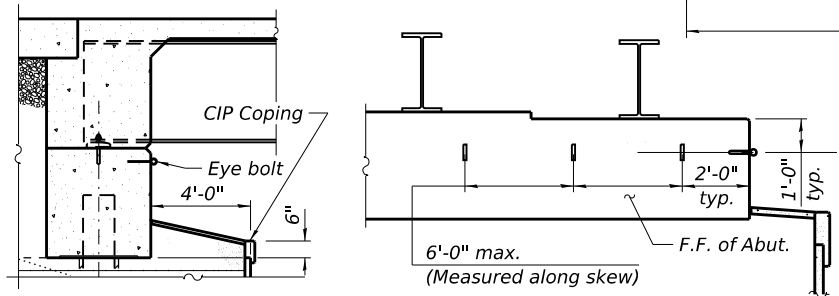
** For information only

**** BAR LIST**
NORTH ABUTMENT MSE WALL COPING

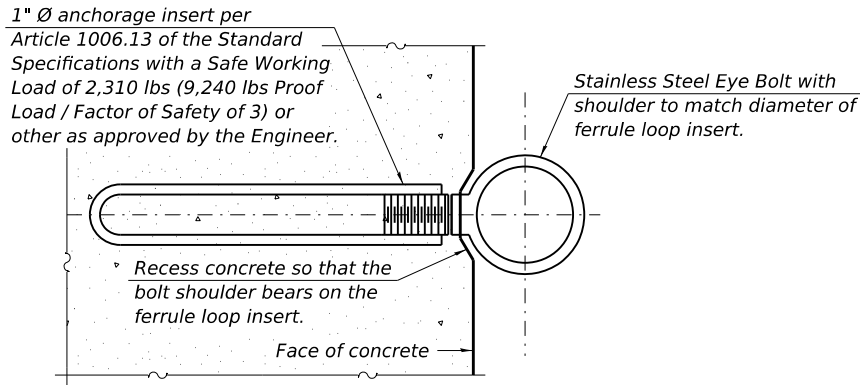
Bar	No.	Size	Length	Shape
h60(E)	15	#4	32'-0"	—
h61(E)	10	#4	39'-4"	—
h62(E)	2	#4	16'-11"	└
h63(E)	3	#4	17'-4"	└
h64(E)	2	#4	19'-7"	└
h65(E)	3	#4	19'-8"	└
u60(E)	102	#4	3'-10"	└

**For information only

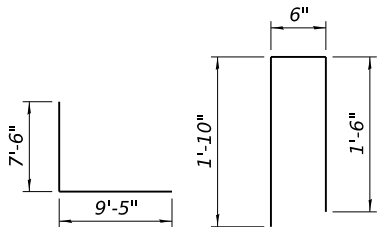
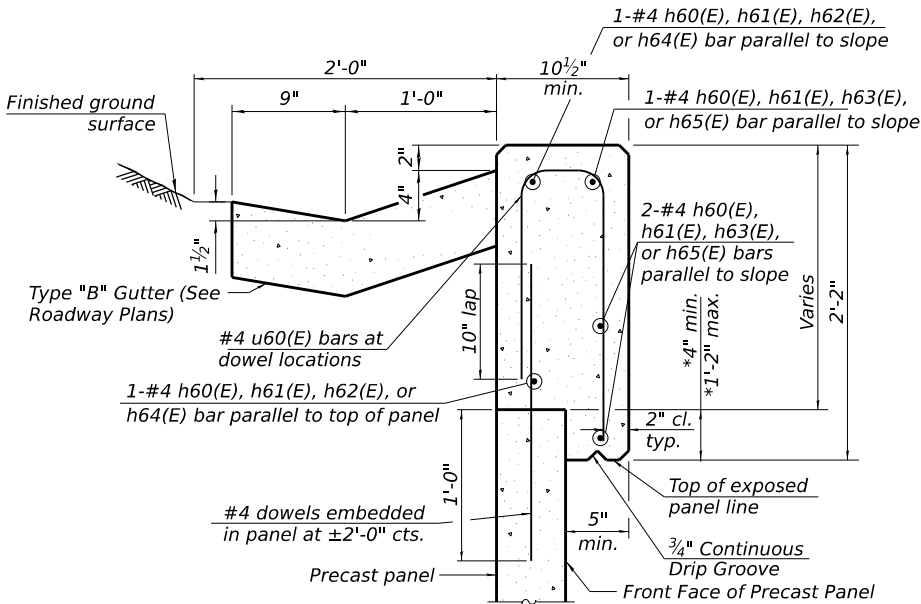
Notes:
The cost of concrete slab, concrete coping, reinforcement bars, and dowel bars are included in the cost of "Mechanically Stabilized Earth Retaining Wall."



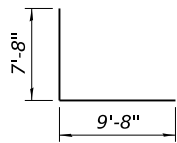
PARTIAL ELEVATION OF F.F. ABUTMENT
SHOWING EYE BOLT FALL PROTECTION OPTION



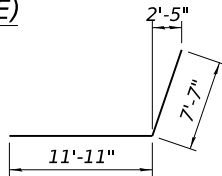
EYE BOLT DETAIL
(Cost included with Concrete Structures)



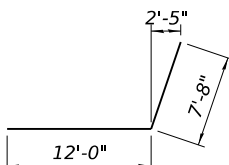
BAR h62(E) **BAR u60(E)**



BAR h63(E)



BAR h64(E)



BAR h65(E)

1 REVISED SHEET 1/5/2026

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12/29/2025 4:25:35 PM

COLLINS ENGINEERS

USER NAME =	DESIGNED - MPR	REVISED 1 12/30/2025 MPR
	CHECKED - EKM	REVISED -
PLOT SCALE =	DRAWN - KGZ	REVISED -
PLOT DATE =	CHECKED - EKM	REVISED -

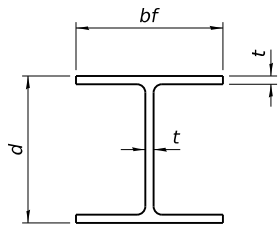
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS II
STRUCTURE NO. 016-0754

SHEET S-30 OF S-37 SHEETS

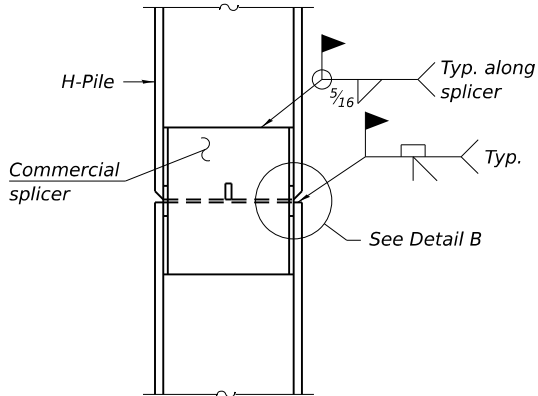
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	171
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT NHPP-EW4T(947)				

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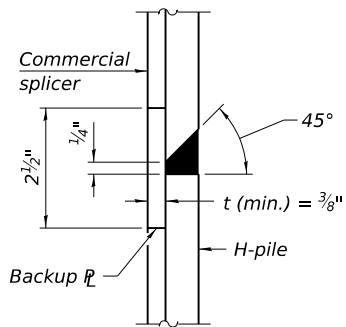


STEEL PILE TABLE

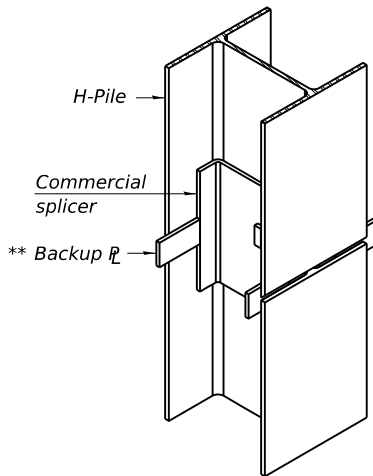
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17 ³ / ₄ "	17 ⁷ / ₈ "	⁷ / ₈ "	36"
x135	17 ¹ / ₂ "	17 ³ / ₄ "	³ / ₄ "	36"
HP 16x183	16 ¹ / ₂ "	16 ¹ / ₂ "	1 ¹ / ₈ "	36"
x162	16 ¹ / ₄ "	16 ¹ / ₈ "	1"	36"
x141	16	16	⁷ / ₈ "	36"
x121	15 ³ / ₄ "	15 ⁷ / ₈ "	³ / ₄ "	36"
HP 14x117	14 ¹ / ₄ "	14 ⁷ / ₈ "	¹³ / ₁₆ "	30"
x102	14"	14 ³ / ₄ "	¹¹ / ₁₆ "	30"
x89	13 ⁷ / ₈ "	14 ³ / ₄ "	⁵ / ₈ "	30"
x73	13 ⁵ / ₈ "	14 ⁵ / ₈ "	¹ / ₂ "	30"
HP 12x84	12 ¹ / ₄ "	12 ¹ / ₄ "	¹¹ / ₁₆ "	24"
x74	12 ¹ / ₈ "	12 ¹ / ₄ "	⁵ / ₈ "	24"
x63	12"	12 ¹ / ₈ "	¹ / ₂ "	24"
x53	11 ³ / ₄ "	12"	⁷ / ₁₆ "	24"
HP 10x57	10"	10 ¹ / ₄ "	⁹ / ₁₆ "	24"
x42	9 ³ / ₄ "	10 ¹ / ₈ "	⁷ / ₁₆ "	24"
HP 8x36	8"	8 ¹ / ₈ "	⁷ / ₁₆ "	18"



ELEVATION

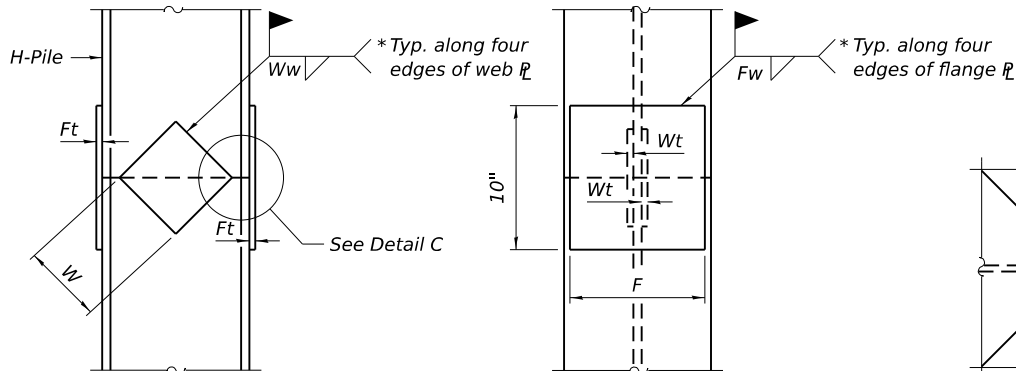


DETAIL B



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



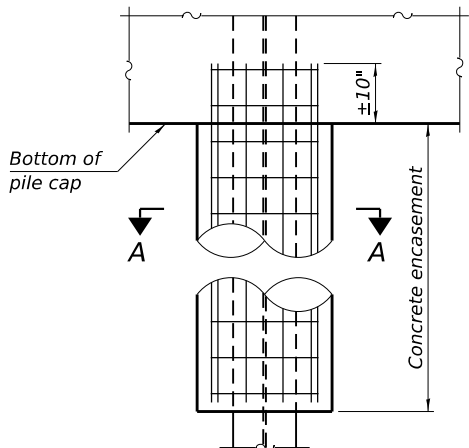
ELEVATION

END VIEW

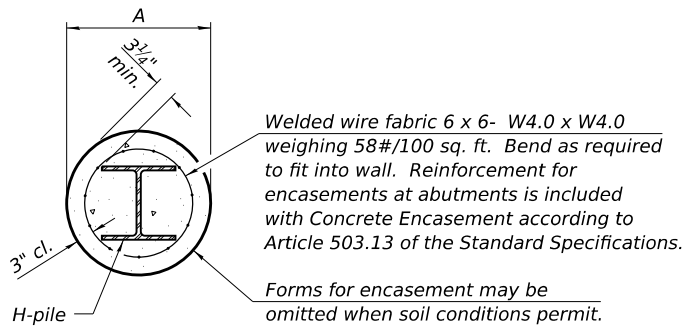
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15 ¹ / ₂ "	1 ¹ / ₂ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
x157	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
x135	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
HP 16x183	13 ³ / ₄ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	⁷ / ₈ "	³ / ₄ "
x162	13 ¹ / ₂ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
x141	13 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
x121	13 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
HP 14x117	12 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x102	12 ¹ / ₂ "	1"	³ / ₄ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x89	12 ¹ / ₂ "	⁷ / ₈ "	¹¹ / ₁₆ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x73	12 ¹ / ₂ "	³ / ₄ "	⁹ / ₁₆ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
HP 12x84	10"	1"	¹¹ / ₁₆ "	6 ¹ / ₂ "	⁵ / ₈ "	¹ / ₂ "
x74	10"	⁷ / ₈ "	¹¹ / ₁₆ "	6 ¹ / ₂ "	⁵ / ₈ "	¹ / ₂ "
x63	10"	³ / ₄ "	¹ / ₂ "	6 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "
x53	10"	³ / ₄ "	¹ / ₂ "	6 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "
HP 10x57	8"	⁷ / ₈ "	⁹ / ₁₆ "	5 ¹ / ₄ "	¹ / ₂ "	³ / ₈ "
x42	8"	³ / ₄ "	⁹ / ₁₆ "	5 ¹ / ₄ "	¹ / ₂ "	³ / ₈ "
HP 8x36	6 ³ / ₄ "	⁵ / ₈ "	⁷ / ₁₆ "	4"	¹ / ₂ "	³ / ₈ "

WELDED PLATE FIELD SPLICE



ELEVATION



SECTION A-A

INDIVIDUAL PILE
CONCRETE ENCASEMENT
(when specified)

Note:
The steel H-piles shall be according to
AASHTO M270 Grade 50.

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds ¹/₄" from end of web and/or each flange.
- ** Remove portions of backup flange's that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (⁵/₁₆" min.).

F-HP

4-4-2025

COLLINS ENGINEERS

USER NAME =	DESIGNED - MPR
PLOT SCALE =	CHECKED - EKM
PLOT DATE =	DRAWN - KGZ
	CHECKED - EKM

REVISION	DATE	BY
1	12/30/2025	MPR
2		
3		
4		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 016-0754
SHEET S-35 OF S-37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-192-B-R	COOK	237	176
CONTRACT NO. 62K65				
ILLINOIS FED. AID PROJECT NHPP-EW47(947)				

REVISED SHEET 1/5/2026