

FILE NAME = D:\68185-SHT-S00.dgn

design firm
no. 184001036



USER NAME = g.jameson	DESIGNED - JAC	REVISED
	CHECKED - RKA/CWC	REVISED
PLOT SCALE = 100.0000 ' / IN.	DRAWN - GSJ	REVISED
PLOT DATE = 8/16/2018	CHECKED - CWC/RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
FARMINGTON ROAD IMPROVEMENT			
SCALE: 50	SHEET NO. 6 OF 17 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6659	11(N,BR-1,RS-4,W-1)	PEORIA	577	11
CONTRACT NO. 68185				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL FUNDS		
				80% FED / 20% STATE		
				BRIDGE	ROADWAY	HIGHWAY LIGHTING
				0010	0004	0021
				072-0245	URBAN	URBAN
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	8510	8510		
50500505	STUD SHEAR CONNECTORS	EACH	11884	11884		
50800105	REINFORCEMENT BARS	POUND	43120	43120		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	249850	249850		
50800515	BAR SPLICERS	EACH	1881	1881		
50800530	MECHANICAL SPLICERS	EACH	252	252		
50901750	PARAPET RAILING	FOOT	325	325		
51201600	FURNISHING STEEL PILES HP12X53	FOOT	825	825		
51202305	DRIVING PILES	FOOT	825	825		
51203600	TEST PILE STEEL HP12X53	EACH	2	2		
51204650	PILE SHOES	EACH	24	24		
51500100	NAME PLATES	EACH	1	1		
51602000	PERMANENT CASING	FOOT	284	284		
51603000	DRILLED SHAFT IN SOIL	CU YD	238.2	238.2		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES FARMINGTON ROAD IMPROVEMENT			
SCALE: 50	SHEET NO. 7 OF 17 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6659	11(N,BR-1,RS-4,W-1)	PEORIA	577	12
CONTRACT NO. 68185				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL FUNDS 80% FED / 20% STATE		
				BRIDGE	ROADWAY	HIGHWAY LIGHTING
				0010 072-0245	0004 URBAN	0021 URBAN
* 51604000	DRILLED SHAFT IN ROCK	CU YD	126.5	126.5		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	119	119		
52100520	ANCHOR BOLTS, 1"	EACH	120	120		
52200010	TEMPORARY SHEET PILING	SQ FT	1972	1972		
52200600	GEOTEXTILE RETAINING WALL	SQ FT	702		702	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	98		98	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	87		87	
542A0253	PIPE CULVERTS, CLASS A, TYPE 1 48"	FOOT	99		99	
542A0265	PIPE CULVERTS, CLASS A, TYPE 1 60"	FOOT	88		88	
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	57		57	
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	5		5	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	94		94	
542D1081	PIPE CULVERTS, CLASS D, TYPE 2 36"	FOOT	111		111	
542I0182	PIPE ELBOW, 12"	EACH	4		4	

*= SPECIALTY ITEM

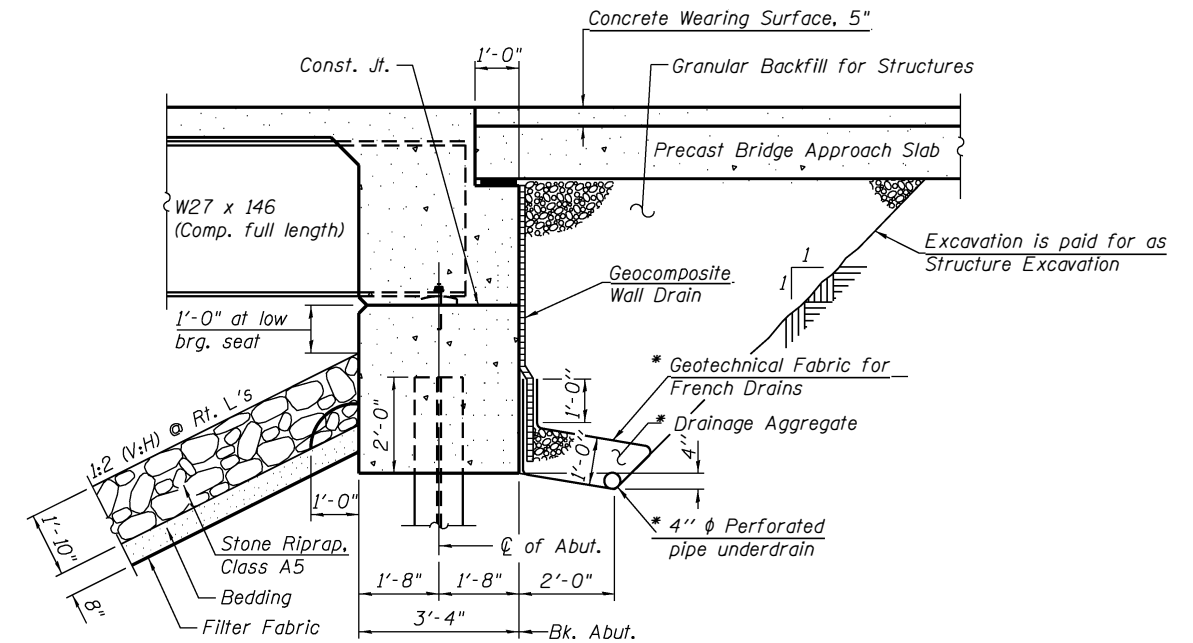
GENERAL NOTES

1. Fasteners shall be ASTM A325 Type 1, high strength galvanized bolts. Bolts $\frac{7}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted. See Special Provisions for "Hot Dipped Galvanizing for Structural Steel".
 2. Calculated weight of Structural Steel = 566,630 lbs.
 3. No field welding is permitted except as specified in the contract documents.
 4. Reinforcement bars designated (E) shall be epoxy coated.
 5. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 6. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 7. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 8. All new structural steel shall be galvanized. The fascia and underside of the exterior beams and their associated splice plates shall be painted. The color of the final finish coat of paint shall be Blue, Munsell No. 10B 3/6. See Special Provisions for "Hot Dip Galvanizing for Structural Steel".
 9. Current ratings on file for existing structure.
Inventory: HS 15.4
Operating: HS 27.6
Live Load Restrictions: Legal Loads Only
- Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS Loading configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.*
10. Slipforming of the parapets is not allowed.
 11. The finishing machine rails shall be placed on the top of the 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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures, No. 1	Each		1	1
Structure Excavation	Cu. Yd.		278	278
Concrete Structures	Cu. Yd.		424.1	424.1
Concrete Superstructure	Cu. Yd.	557.7		557.7
Bridge Deck Grooving	Sq. Yd.	2,132		2,132
Protective Coat	Sq. Yd.	2,648		2,648
Furnishing and Erecting Structural Steel	L. Sum	1		1
Furnishing and Erecting Structural Steel	Pound	8,510		8,510
Stud Shear Connectors	Each	11,884		11,884
Reinforcement Bars	Pound		43,120	43,120
Reinforcement Bars, Epoxy Coated	Pound	139,500	110,350	249,850
Bar Splicers	Each	843	1,038	1,881
Mechanical Splicers	Each		252	252
Parapet Railing	Foot	325		325
Furnishing Steel Piles HP12 x 53	Foot		825	825
Driving Piles	Foot		825	825
Test Pile Steel HP12 x 53	Each		2	2
Pile Shoes	Each		24	24
Name Plates	Each	1		1
Permanent Casing	Foot		284	284
Drilled Shaft in Soil	Cu. Yd.		238.2	238.2
Drilled Shaft in Rock	Cu. Yd.		126.5	126.5
Preformed Joint Strip Seal	Foot	119		119
Anchor Bolts, 1"	Each	120		120
Temporary Sheet Piling	Sq. Ft.		1,972	1,972
Geocomposite Wall Drain	Sq. Yd.		113	113
Concrete Wearing Surface, 5"	Sq. Yd.	410.6		410.6
Precast Bridge Approach Slab	Sq. Ft.	3,675		3,675
Pedestrian Rail (Special)	Foot	340		340
Granualr Backfill for Structures	Cu. Yd.		201	201
* Asbestos Bearing Pad Removal	Each	44		44
Pipe Underdrains for Structures 4"	Foot		244	244
Steel Railing (Special)	Foot	286		286

*** The quantity for Asbestos Bearing Pad Removal has been estimated from the original 1971 plans. The actual quantity may be less due to emergency beam replacement recently completed.*



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

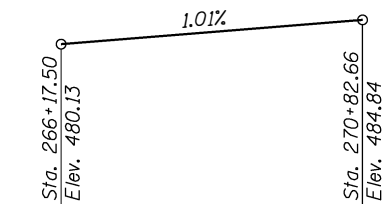
* Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)

Note:

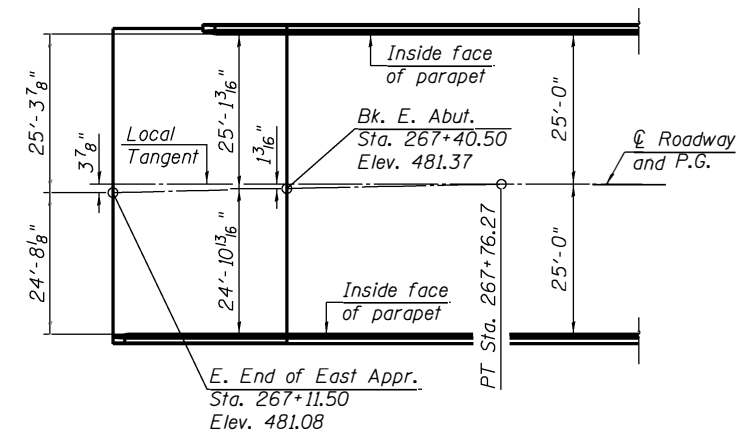
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

CURVE DATA

$\Delta = 3^{\circ} 04' 56''$ (RT)
 $D = 0^{\circ} 52' 46''$
 $R = 6,515.60'$
 $T = 175.29'$
 $L = 350.50'$
 $E = 2.36'$
 $P.C. STA. = 264+25.77$
 $PI STA. = 266+01.06$
 $P.T. STA. = 267+76.27$
 $S.E. - None$



PROPOSED PROFILE GRADE
Along $\text{\textcircled{C}}$ Roadway



OFFSET SKETCH