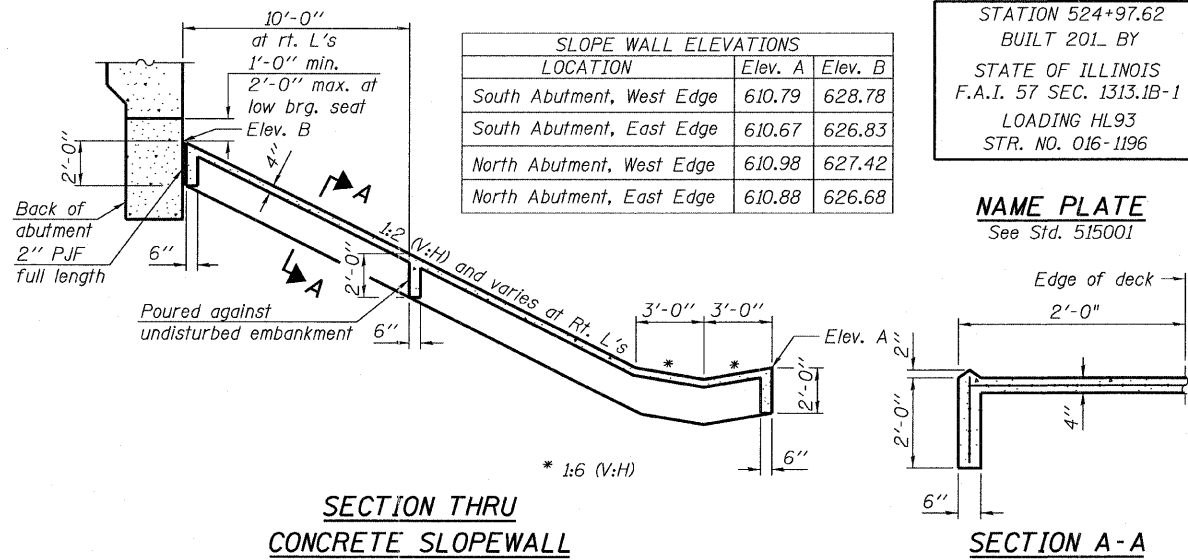


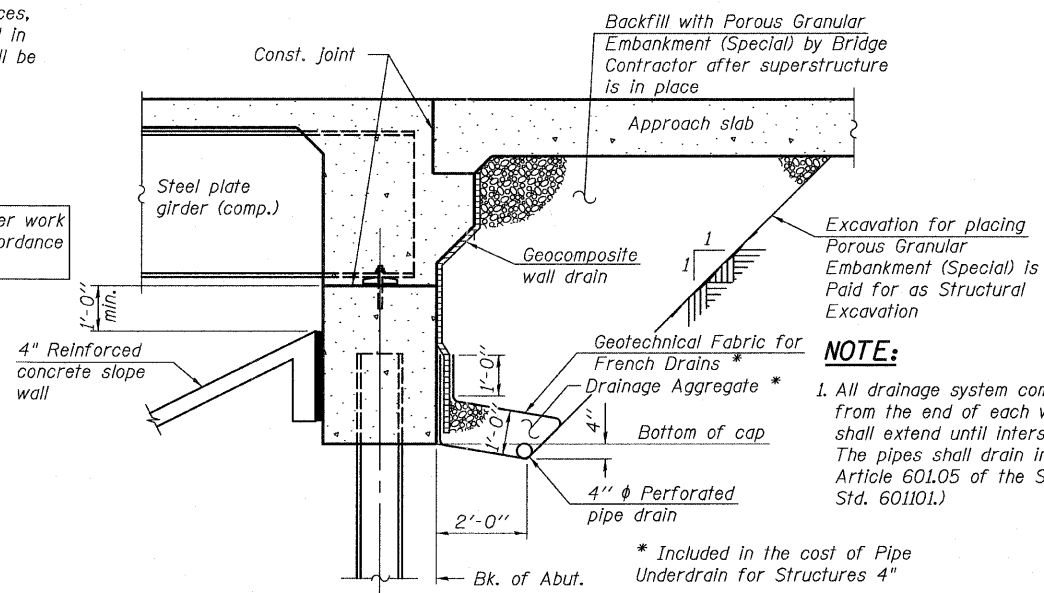
**GENERAL NOTES:**

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8-in.  $\phi$ , holes 1 1/8-in.  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel =  
Grade 50 = 692,080 lbs  
Grade 36 = 42,830 lbs
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- 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.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the all exposed surfaces of the pier.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that the exterior surfaces and bottom of the bottom flange of the fascia beams, masked off connection surfaces, and field installed fasteners, all of which shall be touched up and finish coated in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".
- Sloped wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
- The cost of furnishing and placing backfill material as necessary for center pier work shall be included in the cost of Braced Excavation. Backfilling shall be in accordance with Article 502.10 of the Standard Specifications.
- Slipforming of the parapets is not allowed.



**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH	-	-	1
PROTECTIVE SHIELD	SQ YD	1250	-	1250
STRUCTURE EXCAVATION	CU YD	-	494	494
CONCRETE STRUCTURES	CU YD	-	280.9	280.9
CONCRETE SUPERSTRUCTURE	CU YD	916.6	-	916.6
BRIDGE DECK GROOVING	SQ YD	1924	-	1924
CONCRETE ENCASEMENT	CU YD	-	13.2	13.2
PROTECTIVE COAT	SQ YD	2,880	-	2,880
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	-	1
STUD SHEAR CONNECTORS	EACH	7,328	-	7,328
REINFORCEMENT BARS, EPOXY COATED	POUND	197,930	54,520	252,450
BAR SPLICERS	EACH	2,356	180	2,536
BRIDGE FENCE RAILING	FOOT	614	-	614
SLOPE WALL 4 INCH	SQ YD	-	691	691
FURNISHING STEEL PILES HP14X73	FOOT	-	2,439	2,439
DRIVING PILES	FOOT	-	2,439	2,439
TEST PILE STEEL HP14X73	EACH	-	3	3
PILE SHOES	EACH	-	62	62
NAME PLATES	EACH	-	1	1
ANCHOR BOLTS, 1"	EACH	-	32	32
ANCHOR BOLTS, 1/4"	EACH	-	32	32
CONCRETE SEALER	SQ FT	-	2,170	2,170
GEOCOMPOSITE WALL DRAIN	SQ YD	-	153	153
BRACED EXCAVATION	CU YD	-	351	351
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	-	331	331
HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 600K	EACH	8	-	8
DRAINAGE SCUPPERS (SPECIAL)	EACH	9	-	9
DRAINAGE SYSTEM	L SUM	1	-	1
PIPE UNDERDRAIN FOR STRUCTURES 4"	FOOT	-	222	222
TEMPORARY SOIL RETENTION SYSTEM	SQ FT	-	749	749



**NOTE:**  
 1. 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 Std. Specifications and Highway Std. 601101.)

**INDEX OF SHEETS**

- GENERAL PLAN & ELEVATION
- GENERAL NOTES, INDEX OF SHEETS & BILL OF MATERIAL
- STAGE CONSTRUCTION
- SUBSTRUCTURE LAYOUT
- TEMPORARY CONCRETE BARRIER
- TOP OF SLAB ELEVATIONS - LAYOUT
- TOP OF SLAB ELEVATIONS - 1
- TOP OF SLAB ELEVATIONS - 2
- TOP OF SLAB ELEVATIONS - 3
- TOP OF SLAB ELEVATIONS - 4
- TOP OF SOUTH APPROACH SLAB ELEVATIONS
- TOP OF NORTH APPROACH SLAB ELEVATIONS
- SUPERSTRUCTURE
- SUPERSTRUCTURE DETAILS - 1
- SUPERSTRUCTURE DETAILS - 2
- SUPERSTRUCTURE DETAILS - 3
- SIDEWALK PARAPET ELEVATIONS
- APPROACH SLAB - 1
- APPROACH SLAB - 2
- BRIDGE FENCE RAILING PARAPET MOUNTED
- DRAINAGE SYSTEM
- DRAINAGE SCUPPER
- FRAMING PLAN
- GIRDER ELEVATIONS AND DETAILS
- FIELD SPLICE AND CROSS FRAME DETAILS
- BEARING DETAILS
- NORTH ABUTMENT
- SOUTH ABUTMENT
- PIER
- PIER DETAILS
- BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
- HP PILE DETAILS
- BORING LOGS 1
- BORING LOGS 2
- BORING LOGS 3
- BORING LOGS 4
- BORING LOGS 5
- BORING LOGS 6
- BORING LOGS 7
- BORING LOGS 8

**RAMP M CURVE DATA**

$\Delta = 2^{\circ}06'38"$  (RT)  
 $D = 0^{\circ}14'06"$   
 $T = 448.84'$   
 $L = 897.58'$   
 $E = 4.13'$   
 $R = 24,368.18'$   
 $S.E. = N/A$   
 $P.C. = Sta. 3469+05.11$   
 $P.T. = Sta. 3478+02.69$   
 $P.I. = Sta. 3473+53.95$

**I-57 CURVE DATA**

$\Delta = 2^{\circ}11'45"$  (LT)  
 $D = 0^{\circ}14'05"$   
 $T = 465.82'$   
 $L = 931.53'$   
 $E = 4.45'$   
 $R = 24,400.00'$   
 $S.E. = N/A$   
 $P.C. = Sta. 1215+43.21$   
 $P.T. = Sta. 1224+74.74$   
 $P.I. = Sta. 1220+09.03$

**RAMP B CURVE DATA**

$\Delta = 1^{\circ}13'50"$  (LT)  
 $D = 0^{\circ}14'04"$   
 $T = 262.57'$   
 $L = 525.11'$   
 $E = 1.41'$   
 $R = 24,448.70'$   
 $S.E. = N/A$   
 $P.C. = Sta. 2996+64.69$   
 $P.T. = Sta. 3001+89.80$   
 $P.I. = Sta. 2999+27.26$

**KEDZIE AVE. CURVE DATA**

$\Delta = 36^{\circ}02'20"$  (LT)  
 $D = 3^{\circ}57'57"$   
 $T = 470.05'$   
 $L = 908.72'$   
 $E = 74.53'$   
 $R = 1445.00'$   
 $S.E. = 5.0%$   
 $P.C. = Sta. 513+50.27$   
 $P.T. = Sta. 522+58.99$   
 $P.I. = Sta. 518+20.32$

**KEDZIE AVENUE SUPERELEVATION TRANSITIONS**

SOUTHBOUND LANES		LOCATION
1/4" / 3/8" /		522+93 to 526+31
3/8" /		526+48
0.0%		526+98
2.0%		527+65
5.0%		528+65 to 533+72.83

**KEDZIE AVENUE SUPERELEVATION TRANSITIONS**

NORTHBOUND LANES		LOCATION
5.0% (FULL SE)		514+67 to 521+76
2.0%		522+76
0.0%		523+43
3/8" /		523+93
3/8" / 1/4" /		524+10 to 527+48

(LOOKING NORTH)  
 ○ = PGL LOCATION

(LOOKING NORTH)  
 ○ = PGL LOCATION

<b>TYLIN INTERNATIONAL</b>	USER NAME =	DESIGNED - MDM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, INDEX OF SHEETS &amp; BILL OF MATERIAL</b> <b>STRUCTURE NO. 016-1196</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - CME	REVISED -			57	1313.1B-1	COOK	162	63
	PLOT DATE = 5/5/2011	DRAWN - SMM	REVISED -			CONTRACT NO. 60K14				
		CHECKED - PDF	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. 2 OF 40 SHEETS										

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