

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	445
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62410				

**INDEX OF SHEETS:**

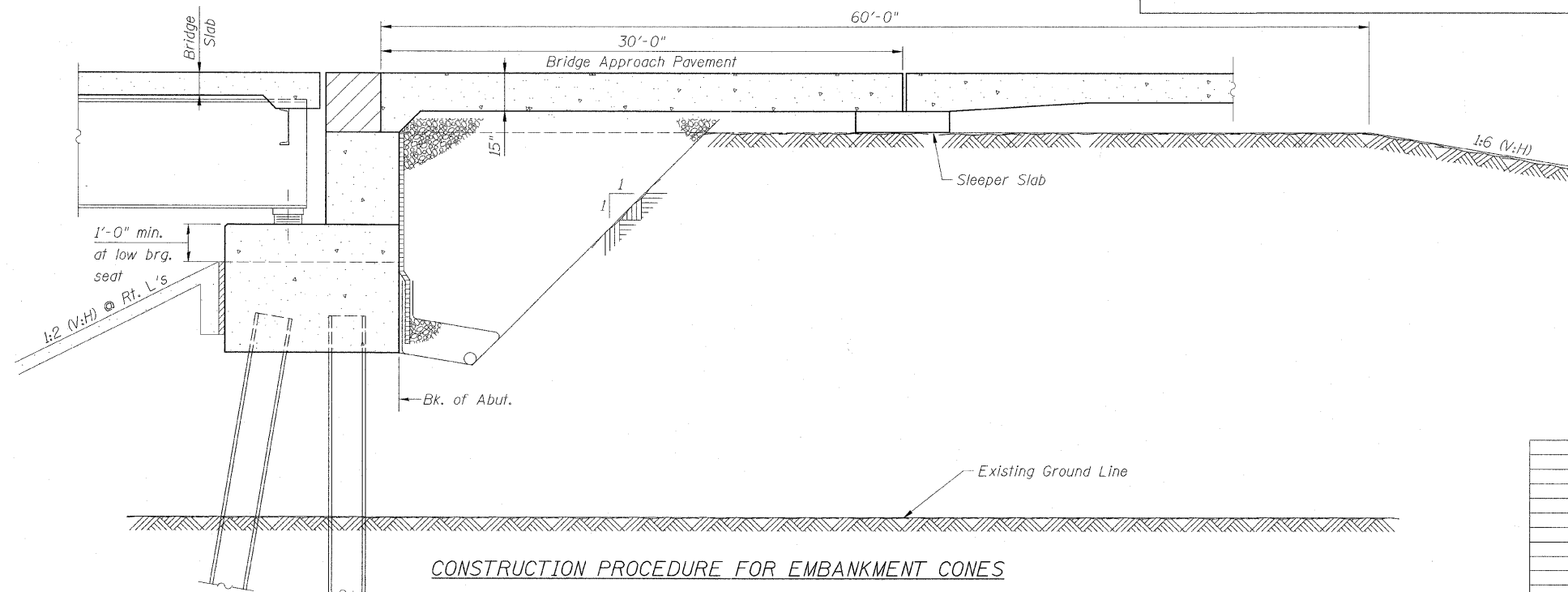
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**GENERAL NOTES:**

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts  $\frac{7}{8}$ " $\phi$ , open holes  $\frac{15}{16}$ " $\phi$  unless otherwise noted.
2. Calculated weight of Structural Steel = 1,206,290 lbs (AASHTO M270, Grade 50).  
 Calculated weight of Structural Steel = 69,310 lbs (AASHTO M270, Grade 36).
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. 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.
7. 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 shimmed the bearings.
8. Concrete Sealer shall be applied to the designated areas of the abutments.
9. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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 all exterior and bottom flange of the fascia beams shall also be gray, Munsell No 5B 7/1
10. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of abutments.
11. Slipforming of parapets is not allowed.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUB	SUPER	TOTAL
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	497	-	497
REMOVAL OF EXISTING STRUCTURES	EACH	-	-	1
PROTECTIVE SHIELD	SQ YD	-	4,542	4,542
STRUCTURE EXCAVATION	CU YD	980	-	980
CONCRETE STRUCTURES	CU YD	1,765.0	-	1,765.0
CONCRETE SUPERSTRUCTURE	CU YD	-	1,575.5	1,575.5
BRIDGE DECK GROOVING	SQ YD	-	3,710	3,710
PROTECTIVE COAT	SQ YD	-	5,225	5,225
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	-	1	1
STUD SHEAR CONNECTORS	EACH	-	21,996	21,996
REINFORCEMENT BARS, EPOXY COATED	POUND	2,38,974	320,516	559,490
BAR SPLICERS	EACH	724	1,952	2,676
BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	1,673	-	1,673
FURNISHING STEEL PILES HP14X73	FOOT	16,932	-	16,932
DRIVING PILES	FOOT	16,932	-	16,932
TEST PILE STEEL HP14X73	EACH	5	-	5
PILE SHOES	EACH	328	-	328
TEMPORARY SHEET PILING	SQ FT	5,967	-	5,967
NAME PLATES	EACH	-	1	1
PREFORMED JOINT STRIP SEAL	FOOT	-	299	299
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	-	52	52
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	-	52	52
CONCRETE SEALER	SQ FT	2,668	-	2,668
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	299	-	299
GEOCOMPOSITE WALL DRAIN	SQ YD	180	-	180
PREFORMED JOINT SEAL (1 $\frac{3}{4}$ "	FOOT	-	300	300
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	-	753	753
ANCHOR BOLTS, 1"	EACH	-	104	104
ANCHOR BOLTS, 1 $\frac{1}{4}$ "	EACH	-	104	104
ANCHOR BOLTS, 1 $\frac{1}{2}$ "	EACH	-	52	52
CONCRETE ENCASEMENT	CU YD	173.5	-	173.5



CONSTRUCTION PROCEDURE FOR EMBANKMENT CONES

STATION 3357+81.21  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.P. RT 307 SEC. 130 R-2  
 LOADING HS20-44  
 STR. NO. 022-0190

NAME PLATE  
 See Std. 515001



REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64  
 (NORTH AVENUE)  
 OVER E.J.&E. AND U.P. R.R.  
 INDEX OF SHEETS, GENERAL NOTES AND  
 TOTAL BILL OF MATERIAL  
 STRUCTURE NUMBER 022-0190  
 FAP 307 SECTION 130 R-2  
 DUPAGE COUNTY  
 STA. 3357+81.21

SCALE: None DRAWN BY: MRK  
 DATE: NOVEMBER 1, 2011 CHECKED BY: RDP