

GENERAL NOTES:

- Fasteners shall be A325 Type 1 mechanically galvanized bolts. Countersunk bolts shall be A449 Type 1 mechanically galvanized. Bolts shall be 7/8 in. diameter, holes 15/16 in. diameter, unless otherwise noted.
- Fabrication of steel components shall be in accordance with 2010 AREMA Chapter 15, Part 3.
- Calculated weight of Structural Steel:
 295,130 Lb. ASTM A709 Gr. 50F3
 755,240 Lb. ASTM A709 Gr. 50T3
 72,110 Lb. ASTM A709 Gr. 50
 1,380 Lb. ASTM A36
- Structural Steel shall be as follows unless noted otherwise:
 Girder Bottom Flanges, Webs, and End Floorbeams ASTM A709 Gr. 50F3
 Lateral Bracing System, Walkway Brackets and Walkway Supports ASTM A709 Gr. 50
 Handrail Pipe ASTM A53 Gr. B
 Cover Plates and Handrail Base Plates ASTM A36
 All other Structural Steel ASTM A709 Gr. 50T3
 Anchor Rods ASTM F1554 Gr. 105
- 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 masked off connection surfaces, field installed fasteners and damaged areas shall be touched up 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 Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- Steel components designated as galvanized shall be galvanized per ASTM A123, latest edition.
- Steel components designated as metallized shall be metallized per AWS C2.2, latest edition. Minimum thickness of zinc coatings to be 150 microns.
- Structural steel members designated as Fracture Critical Members (F.C.M.) shall meet the requirements of ASTM A705 Gr. 50F3.
- Welding of steel components shall be in accordance with AWS D1.5, latest edition. All flange-to-web fillet welds and 25% of all other welds shall be tested by magnetic particle method (MPT). All flange-to-web complete joint penetration welds shall be tested by ultrasonic method (UT). All butt joints in flanges and webs shall be tested by radiographic method (RT).
- No field welding is permitted.
- Reinforcement bars shall conform to ASTM A615, Gr. 60.
- Reinforcement bars designated (E) shall be epoxy coated. (Minimum thickness 7 mils).
- Concrete reinforcement cover shall be 3 inches unless noted otherwise.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete sealer shall be applied to the designated areas of the abutments and pier.
- Minimum concrete strength shall be 5000 psi at 28 days.
- Through girder structure shall be fully shop assembled (including deck plates, checkered walkway plates and steel grate walkway system) for checking accurate fit and then disassembled prior to shipping. Cost included with Furnishing and Erecting Structural Steel.
- Form Liner Textured Surface shall be ashlar stone pattern with 1" maximum relief & 3/4" minimum relief.

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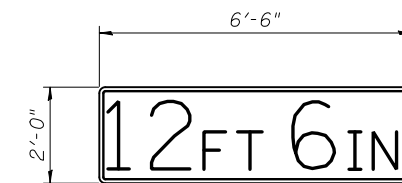
- General Plan and Elevation
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- Footing Layout
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- Deck Plate Details
- Deck Plate and Cover Plate Details
- Framing Plan - Span 1
- Framing Plan - Span 2
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- Exterior Walkway and Handrail Details
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- HP Pile Details
- Soil Boring Logs
- Soil Boring Logs
- Soil Boring Logs
- Soil Boring Logs

TOTAL BILL OF MATERIAL

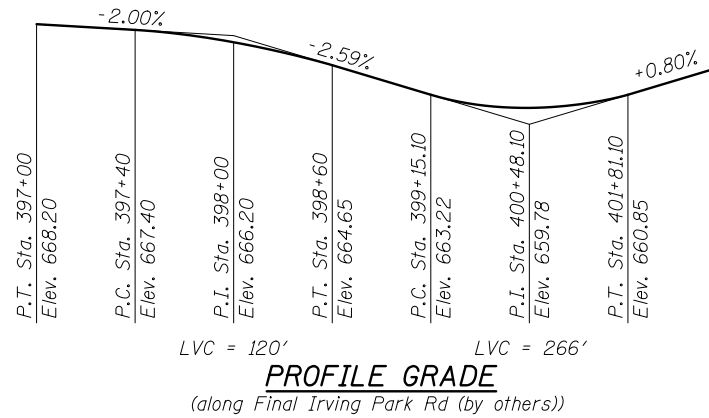
ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.	-	1,073.7	1,073.7
Stone Riprap, Class A4	Sq. Yd.	-	16	16
Filter Fabric	Sq. Yd.	-	16	16
Structure Excavation	Cu. Yd.	-	1,296	1,296
Form Liner Textured Surface	Sq. Ft.	-	3,600	3,600
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Reinforcement Bars, Epoxy Coated	Pound	-	138,760	138,760
Parapet Railing	Foot	-	122	122
Furnishing Steel Piles HP14X89	Foot	-	7,473	7,473
Driving Piles	Foot	-	7,473	7,473
Test Pile Steel HP14X89	Each	-	3	3
Pile Shoes	Each	-	110	110
Name Plates	Each	-	1	1
Anchor Bolts, 1/2"	Each	60	-	60
Concrete Sealer	Sq. Ft.	-	6,174	6,174
Geocomposite Wall Drain	Sq. Yd.	-	391	391
Steel Grate Walkway	Sq. Yd.	145.2	-	145.2
Pipe Handrail, Special	Foot	341.0	-	341.0
Membrane Waterproofing (Special)	Sq. Ft.	5,648.0	-	5,648.0
Drainage System	L. Sum	1	-	1
Pipe Underdrains for Structures 4"	Foot	-	168	168
Concrete Structures CPR Special	Cu. Yd.	-	1,513.4	1,513.4

C.P.R.R.
 BUILT BY
 STATE OF ILLINOIS
 F.A.U. RT. 1321 SEC. 32VB
 STA. 10299+30.82 LOADING E90
 STR. NO. 022-0226

NAME PLATE
 See Std. 515001



TEMPORARY CLEARANCE SIGN DETAIL



ca:\pwworking\oma\0463409\0220226-60842-002-GNN.DGN
 jmlgus

11/2/2012
 11:21:35 AM



USER NAME = jmlgus	DESIGNED - AMM	REVISED -
FILE NAME = 0220226-60842-002-GNN.DGN	CHECKED - LAG	REVISED -
PLOT SCALE = NONE	DRAWN - RMA	REVISED -
PLOT DATE = 11/2/2012	CHECKED - AMM	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND BILL OF MATERIAL
 STRUCTURE NO. 022-0226**

SHEET NO. 2 OF 43 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	32VB	DU PAGE	388	143
CONTRACT NO. 60W01				
ILLINOIS FED. AID PROJECT				