

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

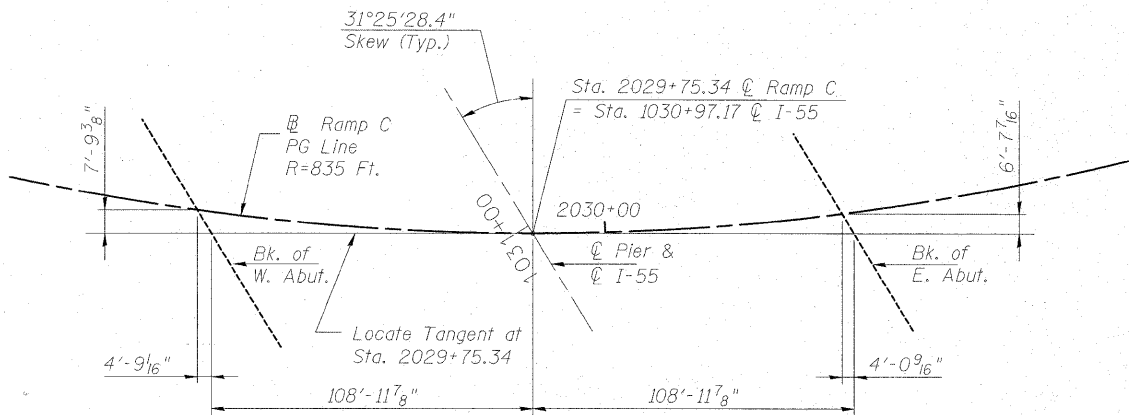
- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts  $\frac{7}{8}$  in. dia., holes  $\frac{15}{16}$  in. dia., unless otherwise noted.
- Calculated weight of Structural Steel:  
AASHTO M270 Gr50 **481,680 lbs**  $\Delta$
- No field welding is permitted except as specified in 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  $\frac{1}{8}$  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 West and East Abutments.
- 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 of the exterior surfaces and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas 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 the bottom of the bottom flange of fascia beams shall be Blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures."
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- Slip forming of the concrete parapets IS not allowed.

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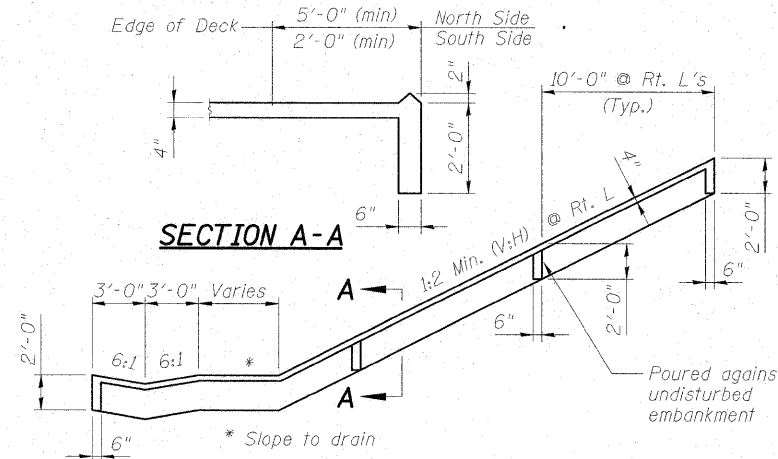
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**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Preformed Joint Strip Seal	Foot	155	-	155
Concrete Structures	Cu. Yd.	-	377.2	377.2
Concrete Superstructure	Cu. Yd.	677.5	-	677.5
Bridge Deck Grooving	Sq. Yd.	1,480	-	1,480
Protective Coat	Sq. Yd.	1,750	-	1,750
Stud Shear Connectors	Each	2,046	-	2,046
Reinforcement Bars, Epoxy Coated	Pound	183,170	56,620	239,790
Name Plates	Each	1	-	1
Concrete Sealer	Sq. Ft.	-	507	507
Drainage Scuppers, DS-11	Each	2	-	2
<b>Furnishing and Erecting Structural Steel</b>				
Furnishing Steel Piles HPI2X53	Foot	-	1,010	1,010
Driving Piles	Foot	-	1,010	1,010
Test Pile Steel HPI2X53	Each	-	2	2
Pile Shoes	Each	-	46	46
Bar Splicers	Each	-	124	124
Slope Wall 4 Inch	Sq. Yd.	-	748	748
Braced Excavation	Cu. Yd.	-	123	123
Rock Excavation for Structures	Cu. Yd.	-	65	65
High Load Multi-Rotational Bearings, Guided Expansion, 200K	Each	14	-	14
High Load Multi-Rotational Bearings, Fixed - 450K	Each	7	-	7
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	3,764	3,764
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	-	294	294
Anchor Bolts, 1"	Each	56	-	56
Anchor Bolts, 1 1/4"	Each	28	-	28



**OFFSET SKETCH**



**TYPICAL SECTION THRU SLOEWALL**

Note:  
Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft..

STATION 2029+75.34  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
RAMP C  
SEC. (99-1 & 22) R-6  
LOADING HL-93  
STRUCTURE NO. 099-0348

**NAME PLATE**  
See Sta. 515001-01

**GENERAL NOTES  
AND TOTAL BILL OF MATERIAL  
STRUCTURE NO. 099-0348**

$\Delta$  Rev. 4-20-11

DESIGNED	BKB
CHECKED	PMH
DRAWN	AMV/RJ
CHECKED	BKB

**McDonough Associates Inc.**  
Engineers / Architects  
130 East Randolph Street  
Chicago, Illinois 60601  
(312) 946-8600

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SC-2	55	(99-1&2) R-6	WILL	756	528
<b>CONTRACT NO. 60F12</b>					
SHEETS		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
SC-37					