

### GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in.  $\phi$ , holes 5/16 in.  $\phi$ , unless otherwise noted.

Calculated weight of Structural Steel = 95760 lbs. (AASHTO M270, Grade 50)  
6795 lbs. (AASHTO M270, Grade 36)

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 (IL Modified). See Special Provisions

Reinforcement bars designated (E) shall be epoxy coated.

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 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".

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

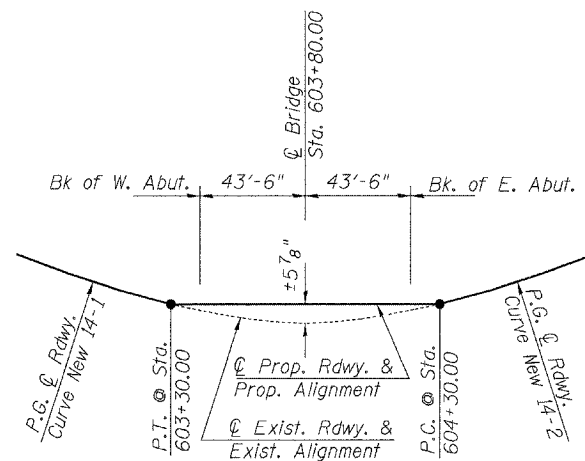
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

### TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1	-	1
Structure Excavation	Cu. Yd	-	194	194
Geocomposite Wall Drain	Sq. Yd.	-	95	95
Pipe Underdrains for Structures 4"	Foot	-	136	136
Temporary Soil Retention System	Sq. Ft.	-	603	603
Porous Granular Embankment (Special)	Cu. Yd	-	162	162
Concrete Structures	Cu. Yd	-	40.7	40.7
Concrete Superstructure	Cu. Yd	142.3	-	142.3
Bridge Deck Grooving	Sq. Yd.	372	-	372
Reinforcement Bars, Epoxy Coated	Pound	27840	6360	34200
Bar Splicers	Each	343	24	367
Furnishing and Erecting Structural Steel	Lump Sum	1	-	1
Stud Shear Connectors	Each	2226	-	2226
Protective Coat	Sq. Yd	464	-	464
Floor Drains	Each	5	-	5
Test Pile Steel HP 12x53	Each	-	2	2
Driving Piles	Foot	-	856	856
Furnishing Steel Piles HP 12x53	Foot	-	856	856
Name Plates	Each	1	-	1
Stone Riprap, Class A4	Sq. Yd	-	784	784
Filter Fabric	Sq. Yd.	-	784	784
Concrete Encasement	Cu. Yd.	-	6.0	6.0
Anchor Bolts 1" $\phi$	Each	-	28	28

STATION 603+80.00  
BUILT 20 BY  
STATE OF ILLINOIS  
F.A.P. RT. 869 SEC. 104B-2  
LOADING HL-93  
STR. NO. 028-0076

**NAME PLATE**  
See Std. 515001



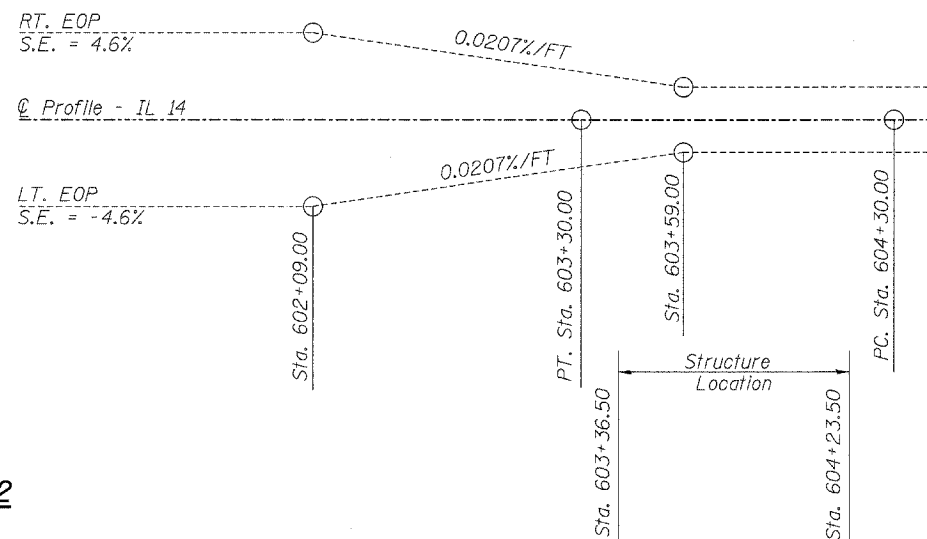
**PROPOSED HORIZONTAL ALIGNMENT**

#### CURVE DATA-CURVE NEW 14-1

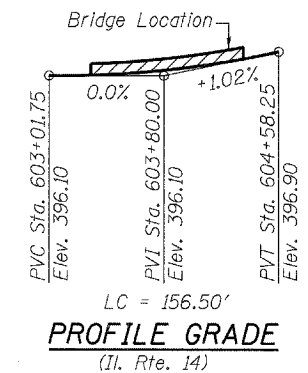
$\Delta = 13^\circ 37' 08''$  (LT)  
D = 2° 30' 44"  
T = 272.35'  
L = 542.13'  
E = 16.20'  
R = 2280.8'  
P.C. = Sta. 597+87.87  
P.T. = Sta. 603+30.00  
P.I. = Sta. 600+60.22

#### CURVE DATA-CURVE NEW 14-2

$\Delta = 4^\circ 54' 10''$  (LT)  
D = 0° 41' 13"  
T = 357.04'  
L = 713.64'  
E = 7.64'  
R = 8339.79'  
P.C. = Sta. 604+30.00  
P.T. = Sta. 611+43.63  
P.I. = Sta. 607+87.03



**SUPERELEVATION TRANSITION SKETCH**



**PROFILE GRADE**  
(Il. Rte. 14)

REVISIONS	
NAME	DATE

**Lin Engineering, Ltd.**  
Consulting Engineers  
Chatham, Illinois

Designed By: JBY  
Checked By: MTH  
Date: 12/06

Drawn By: A.JF  
File: 028-0076.DGN

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GENERAL NOTES & DETAILS**  
ILLINOIS ROUTE 14 OVER  
ANDY CREEK  
F.A.P. ROUTE 869 - SECTION 104B-2  
FRANKLIN COUNTY  
STATION 603+80.00  
STRUCTURE NO. 028-0076

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5/7/2007