

**GENERAL NOTES**

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in.  $\phi$ , holes 15/16 in.  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel = 1,054,690 pounds (AASHTO M270 Grade 50, Both Structures) = 106,360 pounds (AASHTO M270 Grade 36, Both Structures)
- 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.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 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 gray, Munsell No. 5B 7/1. See Standard Specifications.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Subbase Granular Material, Type C	CU YD	230		230
Removal of Existing Structures No. 1	EACH			1
Removal of Existing Structures No. 2	EACH			1
Protective Shield	SQ YD	592		592
Structure Excavation	CU YD		506	506
Concrete Structures	CU YD		881	881
Concrete Superstructure	CU YD	1,099		1,099
Bridge Deck Grooving	SQ YD	2,960		2,960
Protective Coat	SQ YD	3,695		3,695
Precast Concrete Bridge Slab	SQ FT	5,020		5,020
Furnishing and Erecting Structural Steel	L SUM	1		1
Stud Shear Connectors	EACH	10,440		10,440
Reinforcement Bars, Epoxy Coated	POUND	306,090	149,210	455,300
Mechanical Splicers	EACH		512	512
Slope Wall 4"	SQ YD		32	32
Furnishing Steel Piles HP12x53	FOOT		7,366	7,366
Driving Piles	FOOT		7,366	7,366
Test Pile Steel HP12x53	FOOT		6	6
Pile Shoes	EACH		132	132
Name Plates	EACH	2		2
Elastomeric Bearing Assembly, Type I	EACH		10	10
Elastomeric Bearing Assembly, Type II	EACH		10	10
Anchor Bolts, 1"	EACH		20	20
Anchor Bolts, 1/2"	EACH		40	40
Geocomposite Wall Drain	SQ YD		230	230
Temporary Mechanically Stabilized Earth Retaining Wall	SQ FT		7,228	7,228
Porous Granular Embankment, Special	CU YD		333	333
Concrete Wearing Surface, 5"	SQ YD	558		558
Drainage Scupper, DS-II	EACH	1		1
Drainage System	L SUM	1		1
Temporary Sheet Piling	SQ FT		1,458	1,458
Mechanically Stabilized Earth Retaining Wall	SQ FT		674	674
Pipe Underdrains for Structures, 4"	FOOT		180	180
Bituminous Coated Aggregate Slope Wall 6"	SQ FT		10,512	10,512

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**CURRENT RATINGS ON FILE FOR EXISTING WESTBOUND STRUCTURE**

Inventory: HS 25  
 Operating: HS 41.8  
 Live Load Restrictions: No

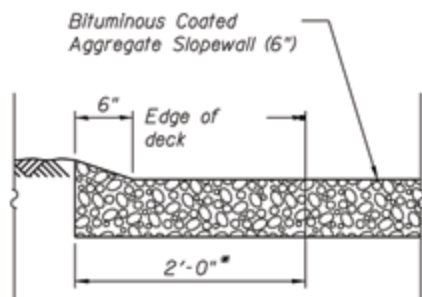
Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

STATION 706+32.12  
 BUILT 201\_ BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 103 SEC. 27-1-VHB-1  
 LOADING HL-93  
 STRUCTURE NO. 082-0117

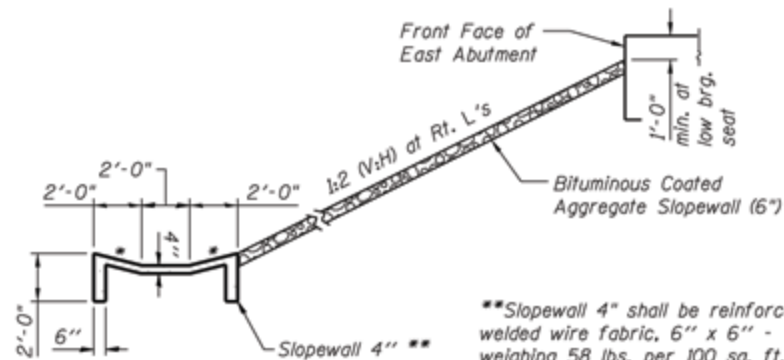
**NAME PLATE (E.B.)**  
 See Std. 515001

STATION 706+32.12  
 BUILT 201\_ BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 103 SEC. 27-1-VHB-1  
 LOADING HL-93  
 STRUCTURE NO. 082-0118

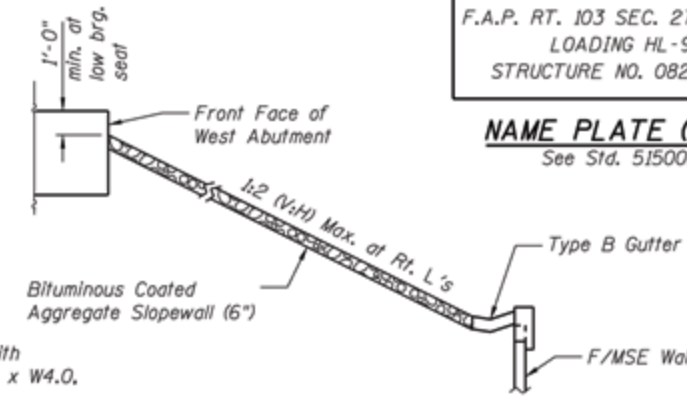
**NAME PLATE (W.B.)**  
 See Std. 515001



**SECTION A-A**



**SECTION THRU EAST SLOPEWALL**



**SECTION THRU WEST SLOPEWALL**

FILE NAME: 082017-0118-76884-002-GenNotes.dgn



USER NAME	brazzera
DESIGNED	BTO
CHECKED	JAN
PLOT SCALE	0.1/2000 1" = 20'
DRAWN	RAB
PLOT DATE	12/14/2011
CHECKED	SAB

DESIGNED	BTO	REVISED	---
CHECKED	JAN	REVISED	---
DRAWN	RAB	REVISED	---
CHECKED	SAB	REVISED	---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, B.O.M. & INDEX OF SHEETS  
 STRUCTURE NO. 082-0117 (E.B.) & 082-0118 (W.B.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	117
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				