

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in. ϕ , holes 15/16 in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel M 270 Grade 36 = 55,650 lbs.
Calculated weight of Structural Steel M 270 Grade 50 = 633,420 lbs.
- 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.
- Bearing seat surfaces shall be constructed or adjusted to their 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.
- Concrete Sealer shall be applied to the designated areas of the abutments and pier.
- 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 Interstate Green, Munsell No. 7.5G 4/8. 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 parapets will not be allowed.

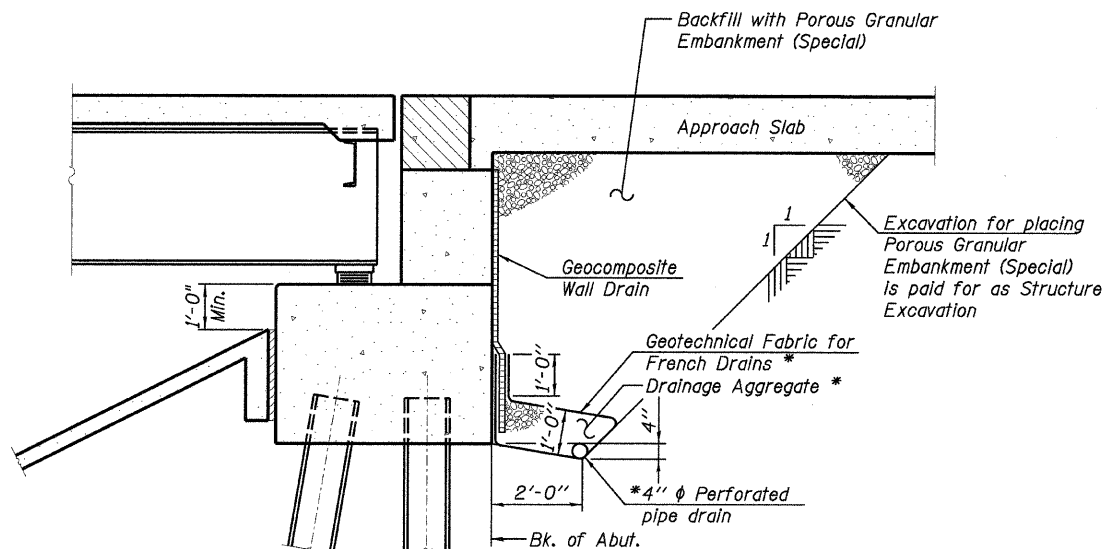
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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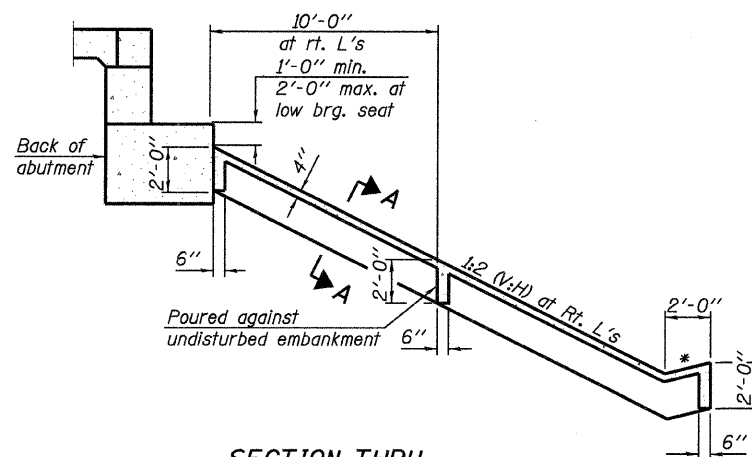
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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		211	211
Removal of Existing Structures	Each	1		1
Protective Shield	Sq. Yd.	900		900
Structure Excavation	Cu. Yd.		360	360
Concrete Structures	Cu. Yd.		558.1	558.1
Concrete Superstructure	Cu. Yd.	872.9		872.9
Bridge Deck Grooving	Sq. Yd.	2,315		2,315
Concrete Encasement	Cu. Yd.		28.4	28.4
Protective Coat	Sq. Yd.	2,979		2,979
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	7,740		7,740
Reinforcement Bars, Epoxy Coated	Pound	216,420	68,250	284,670
Bar Splicers	Each	196		196
Slope Wall, 4 Inch	Sq. Yd.		800	800
Furnishing Steel Piles HP14X89	Foot		1,612	1,612
Driving Piles	Foot		1,612	1,612
Test Pile Steel HP14X89	Each		2	2
Pile Shoes	Each		54	54
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	201		201
Elastomeric Bearing Assembly, Type I	Each	20		20
Anchor Bolt, 1"	Each	40		40
Anchor Bolt, 1 1/4"	Each	20		20
Concrete Sealer	Sq. Ft.		4,241	4,241
Geocomposite Wall Drain	Sq. Yd.		238	238
Pipe Underdrain for Structures 4"	Foot		210	210
Conduit Embedded in Structure, 2" Dia., PVC	Foot	1,124		1,124
Drainage Scuppers, DS-II	Each	4		4
Braced Excavation	Cu. Yd.		395	395
Sub-Base Granular Material, Type A	Cu. Yd.		62	62

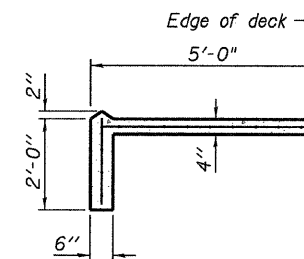


ABUTMENT DRAINAGE DETAIL



SECTION THRU CONCRETE SLOPEWALL

Sloped 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.



SECTION A-A

* Included in the cost of Pipe Underdrains for Structures.

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110)

DESIGNED - CMM
CHECKED - JSD
DRAWN - GJS
CHECKED - CMM

**GENERAL NOTES, INDEX OF SHEETS & BILL OF MATERIALS
STRUCTURE NO. 032-0115**

LOCHNER

H.W. LOCHNER, INC.
CONSULTING ENGINEERS & PLANNERS
20 NORTH WACKER DRIVE SUITE 1200
CHICAGO, IL 60606

SHEET NO.	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 OF 31 SHEETS	*	(32, 47-4) HBK-4 & (G)N	GRUNDY	351	284
CONTRACT NO. 66408					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					
* FAI 80 & FAS 297 / FAU 392					