

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	119BR-2	GRUNDY	52	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 2
24 SHEETS

Contract #66688

GENERAL NOTES

Fasteners shall be AASHTO M 164 Type 1, mechanically galvanized bolts in painted areas and M 164 Type 3 in unpainted areas. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.

Calculated weight of structural steel: AASHTO M 270 Grade 50W = 131,230 pounds
All structural steel shall be AASHTO M 270 Grade 50W.

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 $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

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.

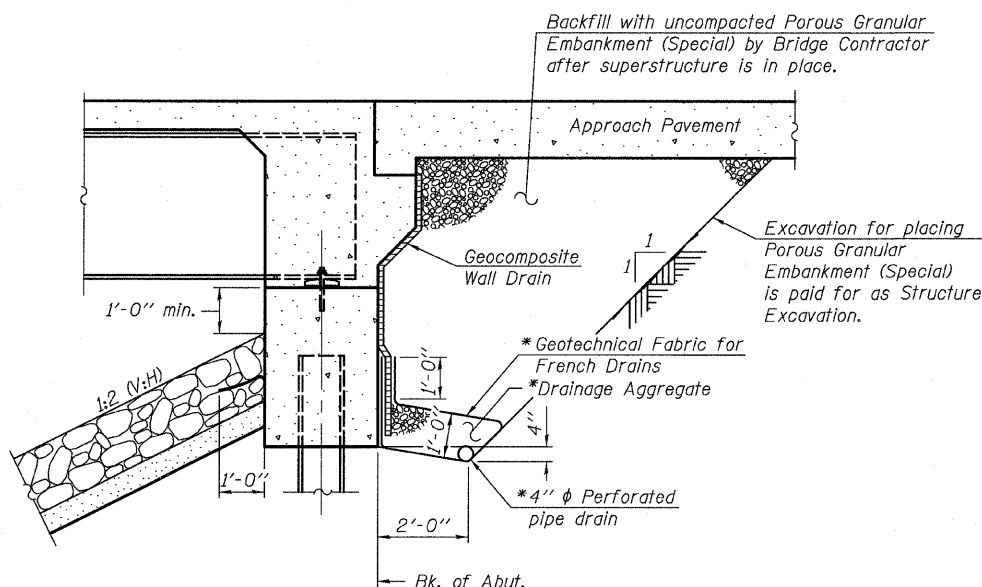
Hard driving may be encountered during the sheet piling installation. The Contractor shall provide the appropriate driving equipment for the soil condition indicated on the boring logs.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	- -	160	160
Stone Riprap, Class A4	Sq. Yd.	- -	2,027	2,027
Filter Fabric	Sq. Yd.	- -	2,027	2,027
Removal of Existing Structures	Each	1	- -	1
Structure Excavation	Cu. Yd.	- -	245	245
Floor Drains	Each	16	- -	16
Concrete Structures	Cu. Yd.	- -	85.2	85.2
Concrete Superstructure	Cu. Yd.	213.3	- -	213.3
Bridge Deck Grooving	Sq. Yd.	591	- -	591
Concrete Encasement	Cu. Yd.	- -	7.0	7.0
Protective Coat	Sq. Yd.	740	- -	740
Furnishing and Erecting Structural Steel	L. Sum	1	- -	1
Stud Shear Connectors	Each	2,592	- -	2,592
Reinforcement Bars, Epoxy Coated	Pound	46,450	8,240	54,690
Bar Splicers	Each	525	48	573
Furnishing Steel Piles HP12X53	Foot	- -	590	590
Furnishing Steel Piles HP12X63	Foot	- -	413	413
Driving Piles	Foot	- -	1,003	1,003
Test Pile Steel HP12X53	Each	- -	2	2
Test Pile Steel HP12X63	Each	- -	1	1
Pile Shoes	Each	- -	20	20
Temporary Sheet Piling	Sq. Ft.	- -	322	322
Name Plates	Each	1	- -	1
Anchor Bolts, 1"	Each	36	- -	36
Geocomposite Wall Drain	Sq. Yd.	- -	77	77
Pipe Underdrains for Structures 4"	Foot	- -	172	172
Underwater Structure Excavation Protection, Location 1	Each	- -	1	1

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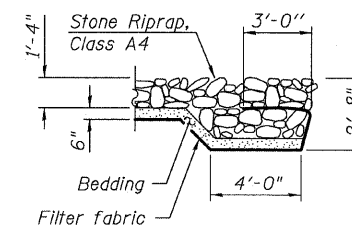


SECTION THRU INTEGRAL ABUTMENT

* Included in the cost of Pipe Underdrains for Structures, 4".

Note:

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).



SECTION A-A

GENERAL DATA

IL 47 OVER WEST FORK MAZON RIVER
FAP ROUTE 326 - SECTION 119BR-2
GRUNDY COUNTY
STATION 466+07.00
STRUCTURE NO. 032-0116



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