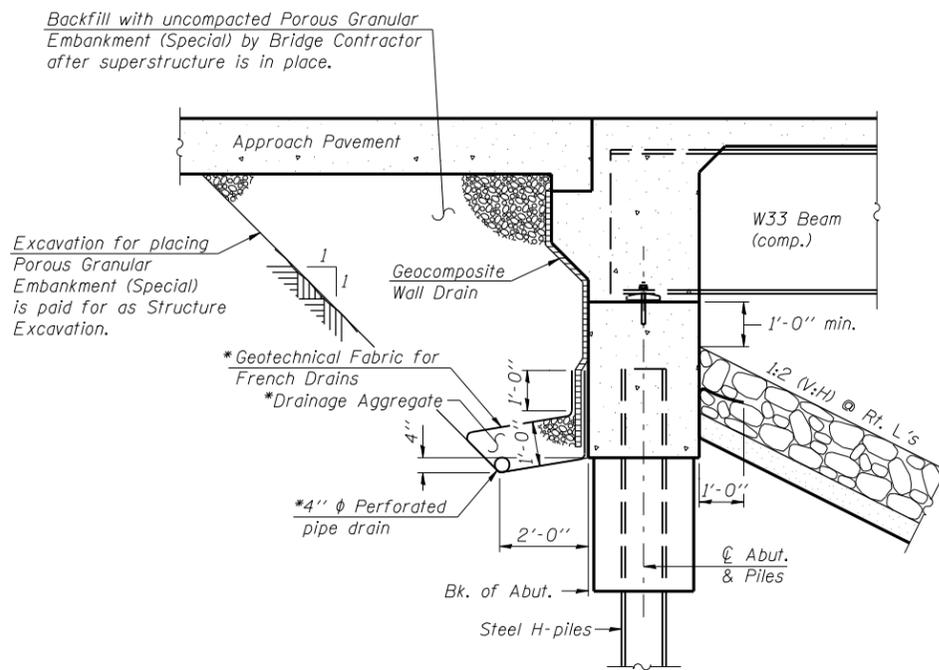


Contract #72150

### GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 3, mechanically galvanized bolts. Bolts  $\frac{3}{4}$  in.  $\phi$ , holes  $\frac{15}{16}$  in.  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel = 74810 lbs. (AASHTO M270, Grade 50W)
- All structural steel shall be AASHTO M270 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 (IL Modified). See Special Provisions
- Reinforcement bars designated (E) shall be epoxy coated.
- Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 in. 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 percent of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.



### SECTION THRU SOUTH INTEGRAL ABUTMENT

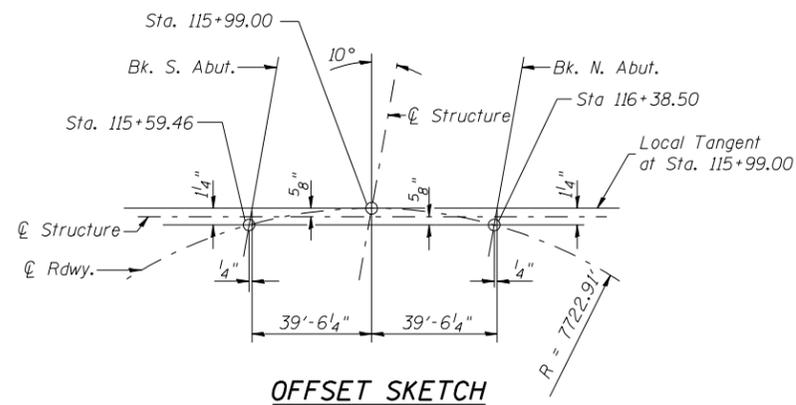
(Horizontal dimensions @ Rt. L's) (North Abutment similar)

\* Included in the cost of Pipe Underdrains for Structures.  
 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).

### TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	182	182
Stone Riprap Class A4	Sq. Yd.	-	422	422
Filter Fabric	Sq. Yd.	-	422	422
Removal of Existing Structures #2	Each	1	-	1
Structure Excavation	Cu. Yd.	-	231	231
Concrete Structures	Cu. Yd.	-	36.2	36.2
Concrete Superstructure	Cu. Yd.	111.4	-	111.4
**Bridge Deck Grooving	Sq. Yd.	531	-	531
**Protective Coat	Sq. Yd.	637	-	637
Furnishing and Erecting Structural Steel	Lump Sum	0.3	-	0.3
Stud Shear Connectors	Each	1278	-	1278
Reinforcement Bars, Epoxy coated	Pound	21960	5750	27710
Furnishing Steel Piles HP12x53	Foot	-	756	756
Driving Piles	Foot	-	756	756
Test Pile Steel HP12x53	Each	-	2	2
Name Plates	Each	1	-	1
Floor Drains	Each	4	-	4
Temporary Soil Retention System	Sq. Ft.	-	463	463
Bar Splicers	Each	306	20	326
Concrete Encasement	Cu. Yd.	-	5.6	5.6
Anchor Bolts, 1"	Each	-	24	24
Geocomposite Wall Drain	Sq. Yd.	-	81	81
Pipe Underdrains for Structures 4"	Foot	-	103	103

\*\* Quantity Includes Approach Pavement



STATION 115+99.00  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 42 SEC. 106 (B-2)  
 LOADING HS20  
 STR. NO. 068-0507

NAME PLATE  
 See Std. 515001

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 GENERAL NOTES & DETAILS  
 ILLINOIS ROUTE 127 OVER  
 LITTLE BEARCAT CREEK  
 F.A.P. ROUTE 42 - SECTION 106 (B-2)  
 MONTGOMERY COUNTY  
 STATION 115+99.00  
 STRUCTURE NO. 068-0507

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

Designed By: RKM  
 Checked By: MTH  
 Date: 04/07

Drawn By: AUF  
 File: 068-0507.DGN

REVISIONS	
NAME	DATE