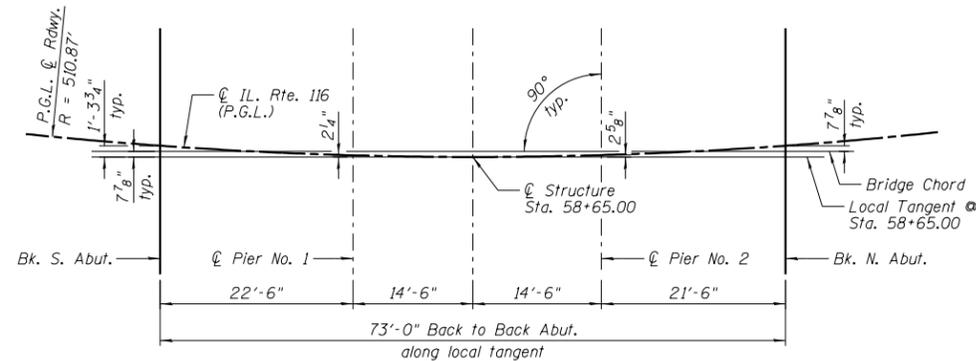


**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		657	657
Filter Fabric	Sq. Yd.		657	657
Removal of Existing Structures No. 2	Each	1		1
Structure Excavation	Cu. Yd.		190	190
Cofferdam Excavation	Cu. Yd.		208	208
Cofferdam (Type 2) (Location - 1)	Each		1	1
Cofferdam (Type 2) (Location - 2)	Each		1	1
Floor Drains	Each	3		3
Concrete Structures	Cu. Yd.	24.4	134.0	158.4
Concrete Superstructure	Cu. Yd.	273.2		273.2
Bridge Deck Grooving	Sq. Yd.	527		527
Seal Coat Concrete	Cu. Yd.		113.0	113.0
Concrete Encasement	Cu. Yd.		5.6	5.6
Protective Coat	Sq. Yd.	626		626
Reinforcement Bars, Epoxy Coated	Pound	76,190	12,200	88,390
Furnishing Steel Piles HP12x63	Foot		1,670	1,670
Driving Piles	Foot		1,670	1,670
Test Pile Steel HP12x63	Each		2	2
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		46	46
Pipe Underdrains for Structures 4"	Foot		160	160
Porous Granular Embankment, Special	Cu. Yd.		88	88

**GENERAL NOTES:**

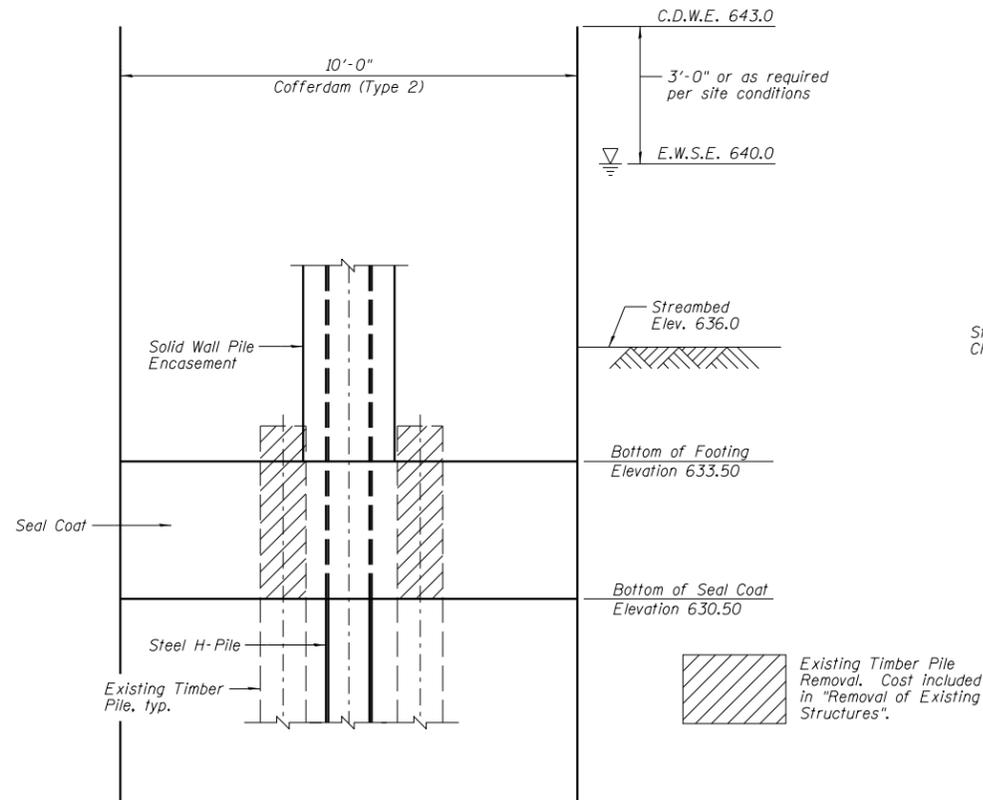
- 1.) Reinforcement bars designated (E) shall be epoxy coated.
- 2.) Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- 3.) The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- 4.) Seal Coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in Seal Coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
- 5.) The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- 6.) Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
- 7.) Slipforming of Parapets is not allowed.
- 8.) The cost of removing the existing bituminous overlay shall be included in the cost of "Removal of Existing Structures".
- 9.) The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for the removal and replacement of the structure.



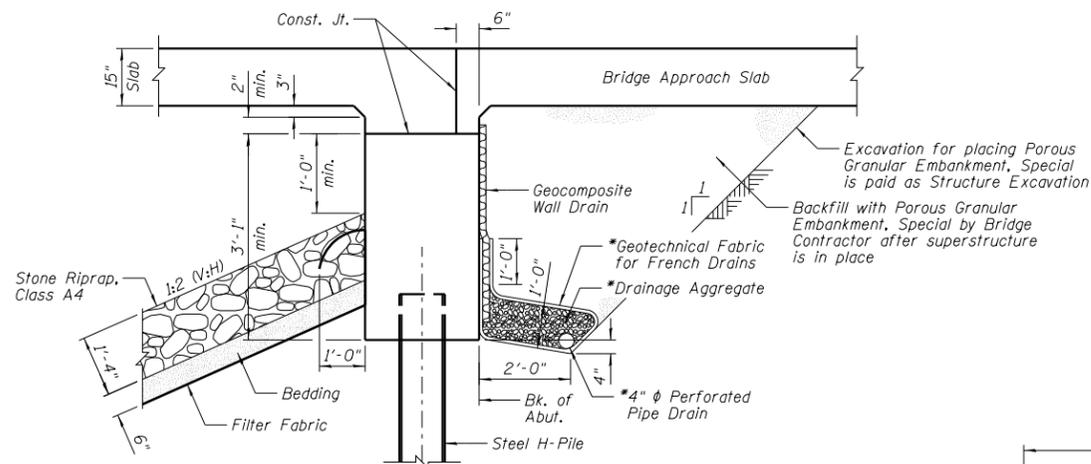
**OFFSET DETAIL**

STATION 58+65.00  
 BUILT 20... BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 681 - SEC. (113 BR-1)BR  
 LOADING HL-93  
 STRUCTURE NO. 053-0191

**NAME PLATE**  
 See Std. 515001



**SEAL COAT SCHEMATIC**

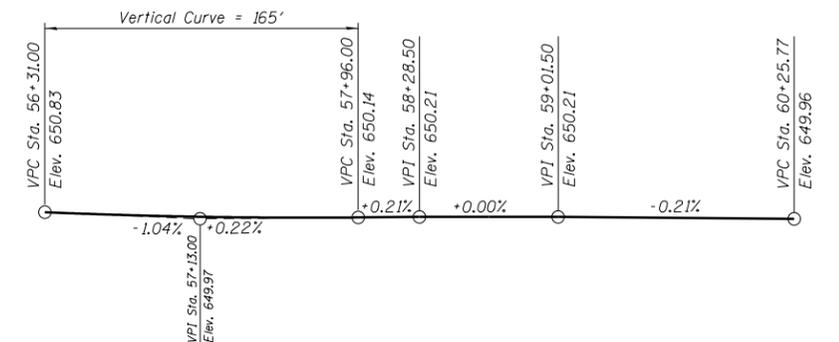


**SECTION THRU NORTH ABUTMENT**

(Similar For South Abutment)

**NOTES:**

- 1.) \*Included in the cost of Pipe Underdrains for Structures 4".
- 2.) 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 601101)



**PROFILE GRADE**  
 (Along Centerline Roadway)

**Farnsworth**  
 GROUP, INC.  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309/663-8435, 309/663-1571 fax

DESIGNED - TCR	REVIS
CHECKED - JML	REVIS
DRAWN - JWK	REVIS
CHECKED - MSW	REVIS
DATE - 11/27/12	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA**  
**STRUCTURE NO. 053-0191**

SHEET NO. B2 OF 17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(113 BR)BR & (113 BR-1)BR	LIVINGSTON	123	90
CONTRACT NO. 66832				
ILLINOIS FED. AID PROJECT				