

SECTION THRU PILE SUPPORTED STUB ABUTMENTS

Note:

All drainage 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 onto the concrete slope walls. (See Pipe Underdrain Outlet Detail on this sheet).



PIPE UNDERDRAIN OUTLET DETAIL

USER NAME ESCA PROJEC PLOT DATE

Note:

The rodent shield shall be according to applicable portions of Article 601.05 of the Standard Specifications and Highway Standard 601101.

GENERAL NOTES

- 1. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts ⁷8" dia., holes ¹⁵16" dia., unless otherwise noted.
- 2. No field welding is permitted except as specified in the contract documents.
- 3. Reinforcement bars designated (E) shall be epoxy coated.
- 4. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding l_4 " in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

- 5. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 6. Concrete sealer shall be applied to the designated areas of the abutments.
- 7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 8. Field painting of structural steel shall be done under a separate painting contract.
- 9. All new structural steel shall be shop primed with an inorganic zinc rich primer per AASHTO M300, Type 1.
- 10. Slipforming of the parapets is not allowed.
- 11. Existing structural steel shall only be cleaned and painted as required by the Special Provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

- has	DESIGNED - SHL	02/13	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CENEDAL DATA	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
T NO. 988.14	CHECKED - RDP	02/13	REVISED -		GENERAL DATA	877	100B-1	WHITE	54	21
	DRAWN - DWH	02/13	REVISED -		51RUCIURE NU. 097-0027			CONTRACT	NO. 78	231
9/16/2014 2:17:35 PM	1 CHECKED - SHL	09/14	REVISED -		SHEET NO. 2 OF 22 SHEETS		_			

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.	-	182	182
Filter Fabric	Sq. Yd.	-	126	126
Concrete Removal	Cu. Yd.	-	19.8	19.8
Slope Wall Removal	Sq. Yd.	-	70	70
Removal of Existing Concrete Deck	Each	1	-	1
Structure Excavation	Cu. Yd.	-	120	120
Floor Drains	Each	20	-	20
Concrete Structures	Cu. Yd.	-	54.8	54.8
Concrete Superstructure	Cu. Yd.	316.5	-	316.5
Bridge Deck Grooving	Sq. Yd.	800	-	800
Protective Coat	Sq. Yd.	1036	-	1036
Furnishing and Erecting Structural Steel	Pound	5180	-	5180
Stud Shear Connectors	Each	2880	-	2880
Reinforcement Bars, Epoxy Coated	Pound	68780	8370	77150
Bar Splicers	Each	70	-	70
Slope Wall 6 Inch	Sq. Yd.	-	40	40
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	68	-	68
Elastomeric Bearing Assembly, Type I	Each	-	12	12
Elastomeric Bearing Assembly, Type II	Each	-	6	6
Anchor Bolts, ⁵ 8"	Each	-	36	36
Concrete Sealer	Sq. Ft.	-	330	330
Epoxy Crack Injection	Foot	-	36	36
Geocomposite Wall Drain	Sq. Yd.	-	80	80
Granular Backfill for Structures	Cu. Yd.	-	108	108
Jack and Remove Existing Bearings	Each	-	18	18
Structural Steel Removal	Pound	2760	-	2760
Pipe Underdrains for Structures 4"	Foot	-	140	140

TOTAL BILL OF MATERIAL