



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

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

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend past wingwall 2'-0" then turn 45° towards the channel 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).

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts $\frac{3}{4}$ in. ϕ , holes $\frac{13}{16}$ in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 68540 lbs.

All structural steel shall be AASHTO M270 Grade 50W. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel."

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.

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". Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Slipforming of parapets is not allowed.

Excavation behind existing abutment walls to balance front and back soil pressure shall be performed before removing the existing superstructure.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		107	107
Stone Riprap, Class A4	Sq. Yd.		936	936
Filter Fabric	Sq. Yd.		936	936
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		216	216
Floor Drains	Each	8		8
Concrete Structures	Cu. Yd.		55.5	55.5
Concrete Superstructure	Cu. Yd.	211.3		211.3
Bridge Deck Grooving	Sq. Yd.	433		433
Protective Coat	Sq. Yd.	554		554
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1062		1062
Reinforcement Bars, Epoxy Coated	Pound	48510	4360	52870
Bar Splicers	Each	72		72
Furnishing Metal Shell Piles 12"x0.250"	Foot		320	320
Driving Piles	Foot		320	320
Test Pile Metal Shells	Each		2	2
Name Plates	Each	1		1
Anchor Bolts, 1"	Each	24		24
Geocomposite Wall Drain	Sq. Yd.		64	64
Pipe Underdrains for Structures 4"	Foot		116	116

*Includes approach slabs

BLANK, WESSELINK, COOK & ASSOCIATES DECATUR, ILLINOIS ENGINEERS - CONSULTANTS DESIGN FIRM NO. 184000894

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 023-0034

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	14BR	EDGAR	115	42
			CONTRACT NO. 70618	
ILLINOIS FED. AID PROJECT				

SHEET NO. 2 OF 21 SHEETS