



*Included in the cost of Pipe Underdrains for Structures. 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. Concrete headwalls included in cost of Pipe Underdrains for Structures. (See Article 601.05 of the Standard Specifications and Highway Standard 60110.1)

SECTION THRU INTEGRAL ABUTMENTS

(Horiz. dim. @ Rt. L's)

GENERAL NOTES

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.

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60.

Reinforcement bars designated (E) shall be epoxy coated.

All embedded and separate bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 (as applicable).

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

For Soil Boring Logs, see sheets 20 thru 22 of 22.

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

Protective Coat shall be applied to the top of the deck, approach pavement, and face and top of curbs.

Bridge Deck Grooving is figured 1'-0" from curb face and includes the approach pavements.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
① Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	330	330
Channel Excavation	CU YD	—	475	475
Concrete Superstructure	CU YD	106.6	—	106.6
Concrete Structures	CU YD	—	32.4	32.4
Concrete Encasement	CU YD	—	6.4	6.4
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42"	FOOT	365	—	365
① Reinforcement Bars, Epoxy Coated	POUND	15,130	5,600	20,730
Stone Riprap, Class A5	SQ YD	—	355	355
① Filter Fabric	SQ YD	—	355	355
Steel Railing, Type SM	FOOT	124	—	124
Furnishing Metal Shell Piles 12"x0.250"	FOOT	—	600	600
① Driving Piles	FOOT	—	600	600
① Test Pile Metal Shells	EACH	—	2	2
Pile Shoes	EACH	—	14	14
Protective Coat	SQ YD	457	—	457
Bridge Deck Grooving	SQ YD	407	—	407
Name Plates	EACH	—	1	1
① Pipe Underdrains for Structures 4"	FOOT	—	140	140
Bridge Approach Pavement	SQ YD	—	220	220
① Porous Granular Embankment, Special	CU YD	—	135	135
Geocomposite Wall Drain	SQ YD	—	72	72
Bar Splicers	EACH	66	—	66
Floor Drains	EACH	6	—	6

① See Special Provisions

GENERAL NOTES, DETAILS, AND BILL OF MATERIALS

SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	CH 25	09-00658-00-BR	LASALLE	39	9
S.N. 050-3598			CONTRACT NO. 87451		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-0271(103)		