



\*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. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)

**SECTION THRU INTEGRAL ABUTMENTS**

**GENERAL NOTES**

For Soil Boring Logs, See Sheet #'s 20 & 21 of 21.  
 Reinforcement Bars shall conform to the requirements of ASTM A706 Grade 60. See Special Provisions.  
 Reinforcement Bars designated (E) shall be epoxy coated.  
 Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.  
 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).  
 Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
① Removal of Existing Structures	EACH	—	—	1
Channel Excavation	CU YD	—	840	840
Structure Excavation	CU YD	—	250	250
Concrete Structures	CU YD	—	35.6	35.6
Concrete Superstructure	CU YD	119.2	—	119.2
Bridge Deck Grooving	SQ YD	555	—	555
Protective Coat	SQ YD	615	—	615
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48"	FOOT	513	—	513
① Reinforcement Bars, Epoxy Coated	POUND	22,420	5,460	27,880
Steel Railing, Type SM	FOOT	174	—	174
Name Plates	EACH	—	1	1
Furnishing Steel Piles HP12x63	FOOT	—	258	258
① Setting Piles in Rock	EACH	—	12	12
① Porous Granular Embankment (Special)	CU YD	—	160	160
① Pipe Underdrains for Structures, 4"	FOOT	—	154	154
Geocomposite Wall Drain	SQ YD	—	82	82
Concrete Encasement	CU YD	—	15.4	15.4
Stone Riprap, Class A5	SQ YD	—	1,015	1,015
Filter Fabric	SQ YD	—	1,015	1,015
Bar Splacers	EACH	74	—	74
Bridge Approach Pavement	SQ YD	—	—	247

① See Special Provisions

**GENERAL NOTES, DETAILS, AND BILL OF MATERIALS**

SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21 SHEETS	CH 29	10-00649-00-BR	LASALLE	43	9
S.N. 050-3593			CONTRACT NO. 87430		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-0099(043)		