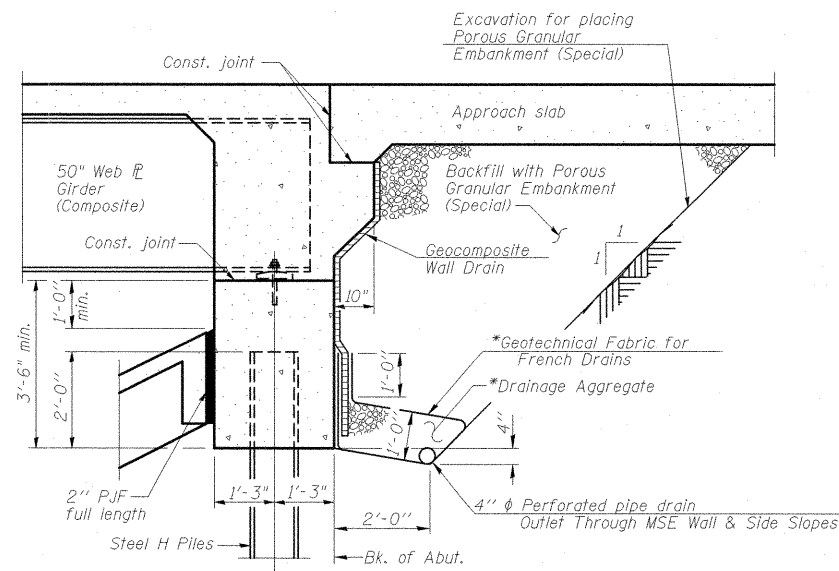


GENERAL NOTES

- Fasteners shall be AASHTO M164 Type I, mechanically galvanized bolts. Bolts $\frac{3}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
- Calculated weight of AASHTO M 270 Grade 50 Structural Steel = 1,011,340 lb. Calculated weight of AASHTO M 270 Grade 36 Structural Steel = 72,690 lb.
- All structural steel shall be AASHTO M 270 Grade 50 unless noted otherwise.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be reddish brown, Munsell No. 2.5YR 3/4.
- Slip forming of the parapet is not allowed.
- Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



SECTION THRU INTEGRAL ABUTMENT

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

*Included in the cost of Pipe Underdrains for Structures.

Note:
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 60110). Rodent screens shall be installed at the outfalls, cost shall be included in the cost of Pipe Underdrains for Structures, 4"

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		192.0	192.0
Porous Granular Embankment, Special	Cu. Yd.		152.4	152.4
Concrete Structures	Cu. Yd.		1,482.3	1,482.3
Concrete Superstructure	Cu. Yd.	1,513.2		1,513.2
Bridge Deck Grooving	Sq. Yd.	4,230		4,230
Protective Coat	Sq. Yd.	5,084		5,084
Furnishing and Erecting Structural Steel	L. Sum	0.8		0.8
Stud Shear Connectors	Each	16,944		16,944
Reinforcement Bars, Epoxy Coated	Pound	411,460	233,320	644,780
Bar Splicers	Each	228		228
Slope Wall, 4-inch	Sq. Yd.		2,559	2,559
Furnishing Steel Piles HP12X53	Foot		2,280	2,280
Driving Piles	Foot		2,280	2,280
Test Pile Steel HP12X53	Each		4	4
Pile Shoes	Each		44	44
Name Plates	Each	2		2
Anchor Bolts, 1"	Each		64	64
Anchor Bolts, 1 1/4"	Each		64	64
Geocomposite Wall Drain	Sq. Yd.		251	251
Chain Link Fence, 4'	Foot		240	240
Drilled Shaft in Soil	Cu. Yd.		596.4	596.4
Drilled Shaft in Rock	Cu. Yd.		58.8	58.8
Pipe Underdrains for Structures, 4"	Foot		312	312
Mechanical Splicers	Each		400	400

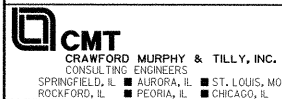
STATION 1745+93.02
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 331 SEC. (IX-DVB-1
LOADING HL93
STR. NO. 100-0093

NAME PLATE #1
See Std. 515001-03

STATION 1746+44.84
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 331 SEC. (IX-DVB-1
LOADING HL93
STR. NO. 100-0094

NAME PLATE #2
See Std. 515001-03

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USER NAME = Gary Davis	DESIGNED - MCC	REVISED -
	CHECKED - ATI	REVISED -
PLOT SCALE =	DRAWN - GLD	REVISED -
PLOT DATE = 1/18/2012	CHECKED - ATI	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND BILL OF MATERIAL
STRUCTURE NO. 100-0093 (W.B.) & 100-0094 (E.B.)**

SHEET NO. S-2 OF S-41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(IX-DVB-1	WILLIAMSON	367	168
			CONTRACT NO. 98859	
ILLINOIS FED. AID PROJECT				