

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted.

Calculated weight of Structural Steel = AASHTO M 270 Grade 50W = 368,880 pounds

All structural steel shall be AASHTO M 270 Grade 50W.

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 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 1'-6". Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

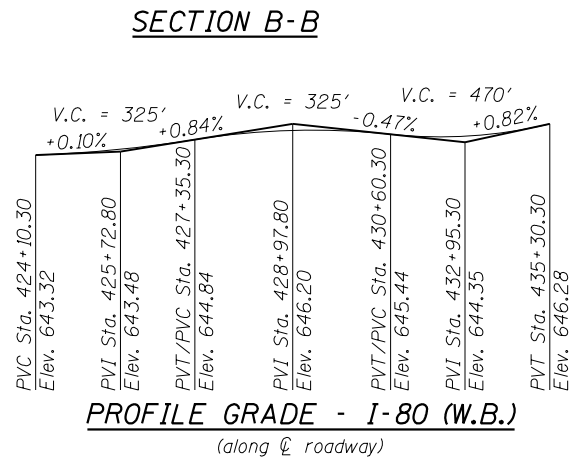
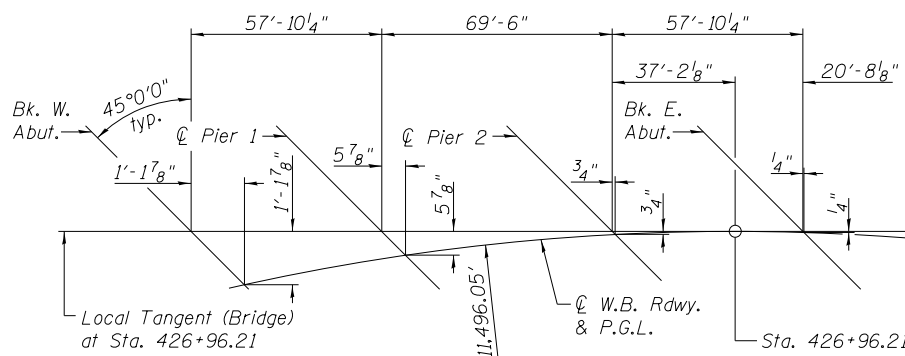
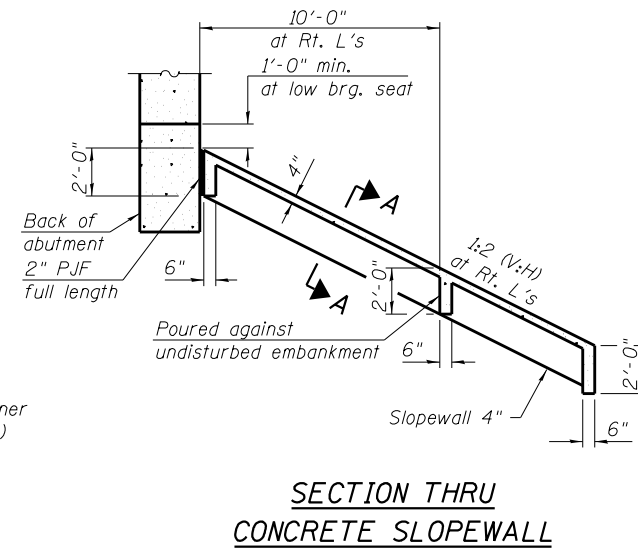
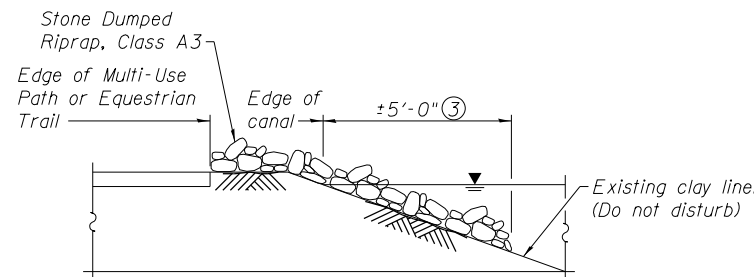
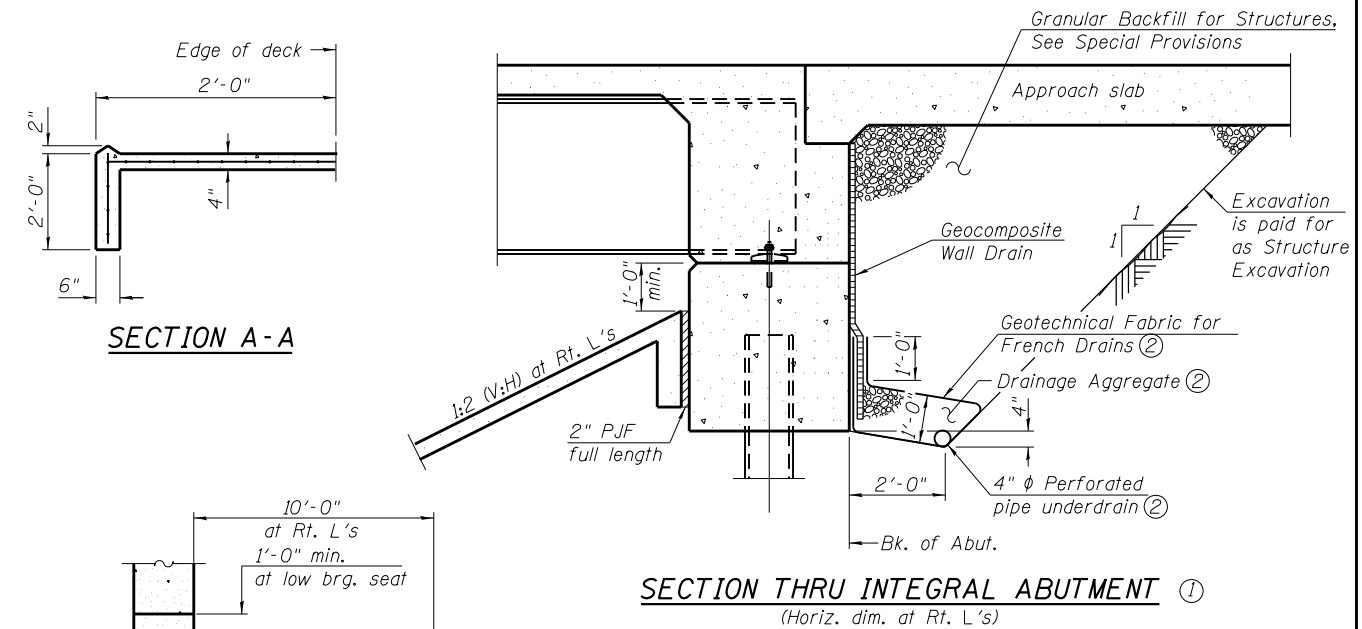
The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

Sloped wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

Excavation within the limits of the channel is not allowed.

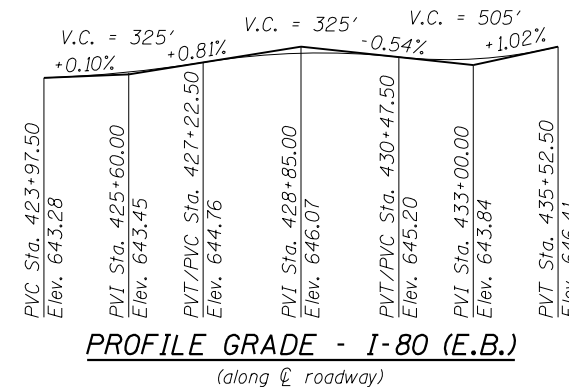
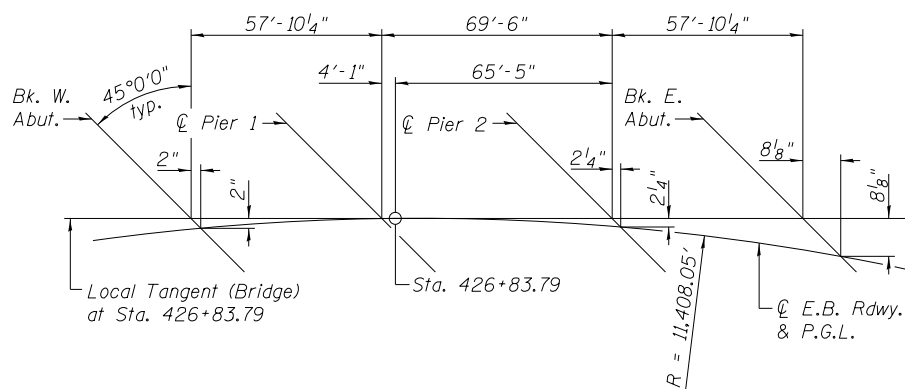
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Dumped Riprap, Class A3	Sq. Yd.	-	389	389
Aggregate Subgrade Improvement	Cu. Yd.	-	111	111
Removal of Existing Structures	Each	-	2	2
Protective Shield	Sq. Yd.	-	-	1,227
Structure Excavation	Cu. Yd.	-	951	951
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	-	74	74
Concrete Structures	Cu. Yd.	-	280.2	280.2
Concrete Superstructure	Cu. Yd.	838.3	-	838.3
Bridge Deck Grooving	Sq. Yd.	2,107	-	2,107
Protective Coat	Sq. Yd.	2,580	-	2,580
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	10,620	-	10,620
Reinforcement Bars, Epoxy Coated	Pound	205,700	44,680	250,380
Slope Wall 4 Inch	Sq. Yd.	-	510	510
Furnishing Precast Concrete Piles 14"	Foot	-	2,208	2,208
Furnishing Metal Shell Piles 14" x 0.250"	Foot	-	2,205	2,205
Driving Piles	Foot	-	4,413	4,413
Test Pile Precast Concrete	Each	-	4	4
Test Pile Metal Shells	Each	-	6	6
Name Plates	Each	2	-	2
Anchor Bolts, 1"	Each	96	-	96
Geocomposite Wall Drain	Sq. Yd.	-	188	188
Drainage Scuppers, DS-11	Each	2	-	2
Pipe Underdrains for Structures 4"	Foot	-	475	475
Granular Backfill for Structures	Cu. Yd.	-	425	425



CURVE DATA - I-80 (W.B.)

P.I. Sta. = 422+82.96
 $\Delta = 12^\circ 00' 27''$ (Rt.)
 $D = 0^\circ 29' 54''$
 $R = 11,496.05'$
 $T = 1,209.04'$
 $L = 2,409.22'$
 $E = 63.40'$
 $e = 1.50\%$
 $T.R. = 42'$
 $S.E. Run = 42'$
 P.C. Sta. = 410+73.92
 P.T. Sta. = 434+83.14



CURVE DATA - I-80 (E.B.)

P.I. Sta. = 422+73.70
 $\Delta = 12^\circ 00' 27''$ (Rt.)
 $D = 0^\circ 30' 08''$
 $R = 11,408.05'$
 $T = 1,199.78'$
 $L = 2,390.78'$
 $E = 62.92'$
 $e = 1.50\%$
 $T.R. = 42'$
 $S.E. Run = 42'$
 P.C. Sta. = 410+73.92
 P.T. Sta. = 434+64.70

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- Notes:**
- 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).
 - Included in the cost of Pipe Underdrains for Structures 4", see Special Provisions.
 - Dimension at right angle to canal.



USER NAME =	DESIGNED - JAD	REVISED -
PLOT SCALE =	CHECKED - SUN	REVISED -
PLOT DATE =	DRAWN - JAD	REVISED -
	CHECKED - SUN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 006-0184 (E.B.) & 006-0185 (W.B.)**

SHEET NO. 2 OF 43 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	106-21BR-3,4	BUREAU	133	46
				CONTRACT NO. 66998
ILLINOIS FED. AID PROJECT				