

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 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 = 618,800 pounds

All structural steel shall be AASHTO M 270 Grade 50W except expansion joints which shall be AASHTO M 270 Grade 50.

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.

Concrete Sealer shall be applied to the designated areas of the abutments.

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

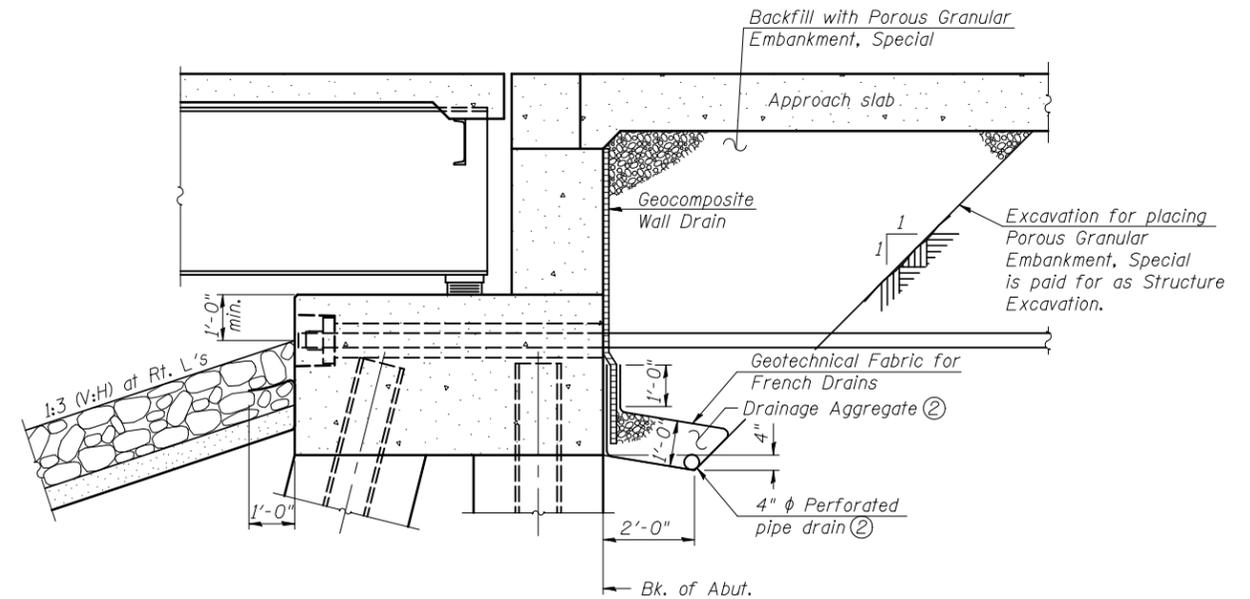
All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted.

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

Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
③ Stone Riprap, Class A4	Sq. Yd.	-	2,496	2,496
③ Filter Fabric	Sq. Yd.	-	2,496	2,496
Removal of Existing Structures	Each	-	1	1
Structure Excavation	Cu. Yd.	-	1,017	1,017
Cofferdam Excavation	Cu. Yd.	-	2,236	2,236
Cofferdam (Type 2) (Location-1)	Each	-	1	1
Cofferdam (Type 2) (Location-2)	Each	-	1	1
Concrete Structures	Cu. Yd.	-	1,817.4	1,817.4
Concrete Superstructure	Cu. Yd.	871.6	-	871.6
Bridge Deck Grooving	Sq. Yd.	2,479	-	2,479
Seal Coat Concrete	Cu. Yd.	-	971.8	971.8
Concrete Encasement	Cu. Yd.	-	28.4	28.4
Protective Coat	Sq. Yd.	3,036	-	3,036
Furnishing and Erecting Structural Steel	L. Sum	0.5	-	0.5
Stud Shear Connectors	Each	7,368	-	7,368
Reinforcement Bars, Epoxy Coated	Pound	236,410	309,280	545,690
Bar Splicers	Each	-	91	91
Furnishing Steel Piles HP14x73	Foot	-	4,590	4,590
Furnishing Steel Piles HP14x89	Foot	-	4,440	4,440
Driving Piles	Foot	-	9,030	9,030
Test Pile Steel HP14x73	Each	-	4	4
Test Pile Steel HP14x89	Each	-	2	2
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	95	-	95
Elastomeric Bearing Assembly, Type I	Each	6	-	6
Elastomeric Bearing Assembly, Type II	Each	12	-	12
Anchor Bolts, 1"	Each	60	-	60
Anchor Bolts, 1/2"	Each	12	-	12
Concrete Sealer	Sq. Ft.	-	1,062	1,062
Geocomposite Wall Drain	Sq. Yd.	-	81	81
Drainage Scuppers, DS-11	Each	2	-	2
Pipe Underdrains for Structures 4"	Foot	-	160	160
Permanent Ground Anchor	Each	-	14	14
Porous Granular Embankment, Special	Cu. Yd.	-	177	177
Mechanical Splicers	Each	-	1,560	1,560
Tie Rod	Each	-	14	14



SECTION THRU PILE SUPPORTED

STUB ABUTMENT (1)

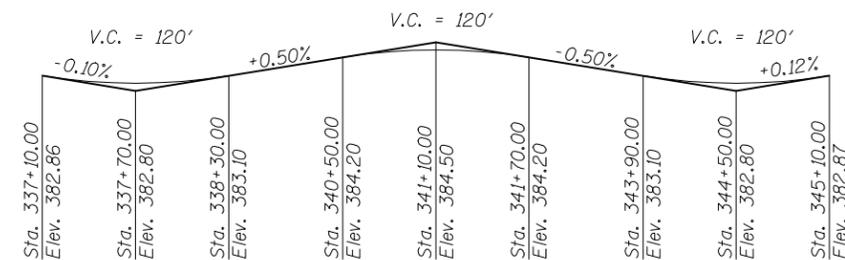
(Horiz. dim. at Rt. L's)

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Data
3	Footing Layout
4	Construction Details
5-8	Top of Slab Elevations
9-12	Top of Approach Slab Elevations
13-14	Superstructure
15-17	Superstructure Details
18-23	Bridge Approach Slab Details
24	Preformed Joint Strip Seal
25	Drainage Scupper, DS-11
26	Framing Plan and Girder Details
27-28	Girder Details
29-30	Bearing Details
31	East Approach Bent Details
32	West Approach Bent Details
33-35	East Abutment Details
36-38	West Abutment Details
39	Tie Rod and Permanent Ground Anchor Details
40	Pier 1 Details
41-42	Pier 2 Details
43-44	Pier 3 Details
45	Pier 4 Details
46	HP Pile Details
47	Bar Splicer Assembly and Mechanical Splicer Details
48-53	Soil Boring Logs

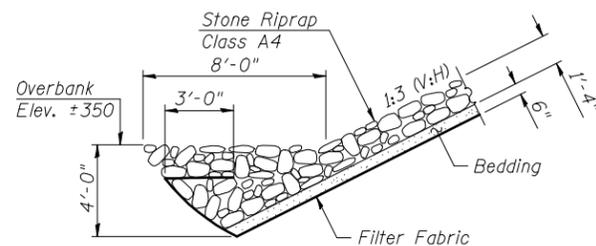
CURVE DATA - IL RTE. 13 (E.B.)

Δ = 12°30'25"
 D = 1°30'55"
 R = 3,781.36'
 T = 414.36'
 L = 825.42'
 E = 22.63'
 S.E. = 0.025'/'
 P.C. Sta. = 335+74.79
 P.I. Sta. = 339+89.14
 P.T. Sta. = 344+00.21

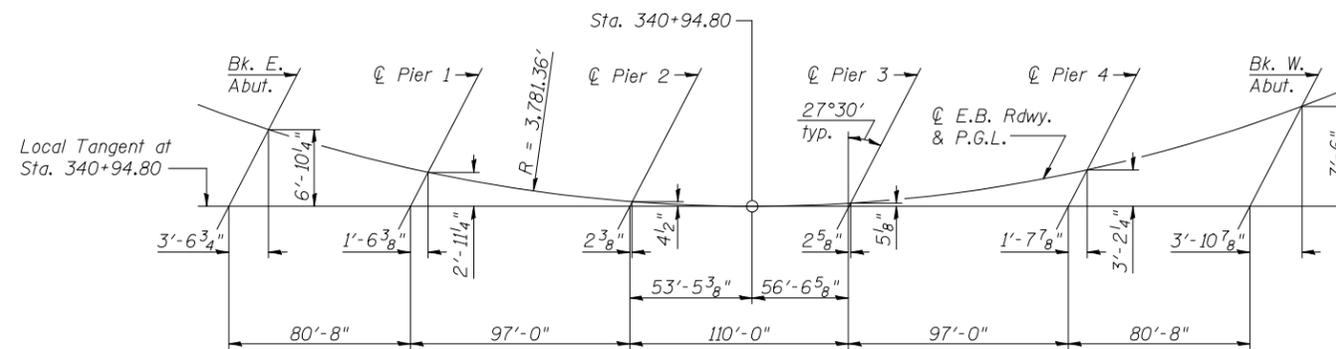


PROFILE GRADE - IL RTE. 13 (E.B.)

(along centerline of roadway)



SECTION A-A



OFFSET SKETCH - IL RTE. 13 (E.B.)

Notes:

- ① All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls. The pipe shall extend under the wingwall until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110).
- ② Included in the cost of Pipe Underdrains for Structures 4".
- ③ Quantity is total assumed to be placed during construction of S.N. 039-0075. Actual quantity as directed by the Engineer.



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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 039-0075 (E.B.)**

SHEET NO. 2 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)B-1	JACKSON	200	61
CONTRACT NO. 78056				
ILLINOIS FED. AID PROJECT				