

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	++	DU PAGE	65	32
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 2
25 SHEETS

++ 98-00153-02-BR
Contract No. 63077

GENERAL NOTES:

*Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts (in painted areas and M164 Type 3 in unpainted areas). Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 212,230 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 shall conform to the requirements of ASTM A 706

Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to their 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.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

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

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

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.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number as shown in the contract plans.

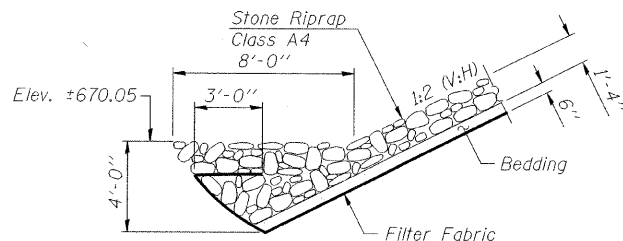
Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted for approval with the cofferdam design to the Engineer.

Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All exposed concrete edges shall have a $\frac{3}{4}$ " x 45° chamfer, except where shown otherwise chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

Slipforming of the parapets is not allowed.

There is a river gauge attached to the south side of the bridge and another south of the southwest corner of the bridge. Remove and replace-in-kind the existing river gauges. The cost for removal and replacement of the gauges shall be included with Concrete Superstructure.



STONE RIPRAP ANCHOR DETAIL

INDEX OF SHEETS

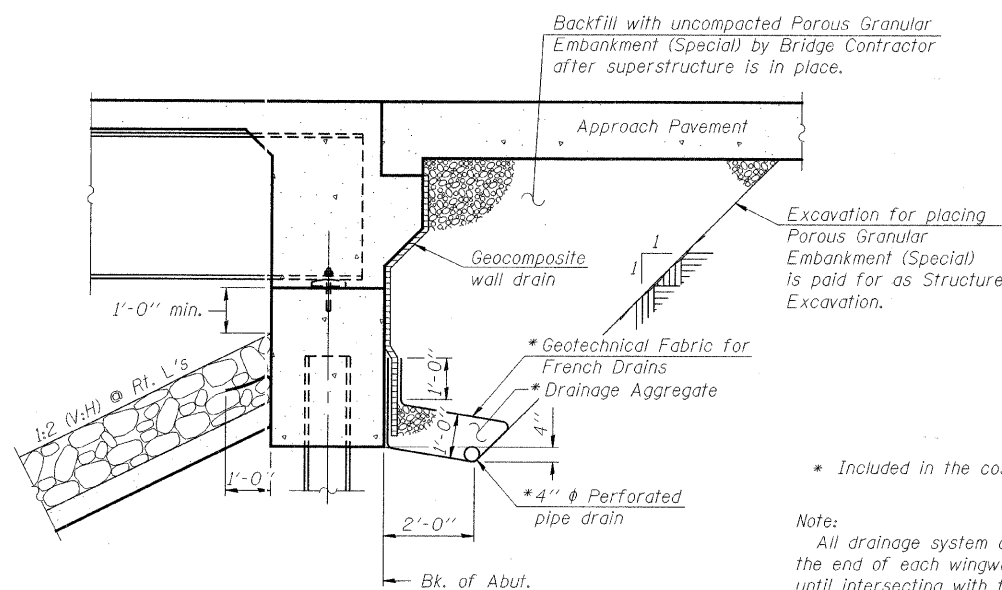
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STATION 107+17.50
BUILT 200 BY
STATE OF ILLINOIS
SEC. 98-00153-02-BR
LOADING HS20
STR. NO. 022-3011

NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, (Special)	Cu. Yd.		207	207
Stone Riprap, Class A4	Sq. Yd.		1123	1123
Filter Fabric	Sq. Yd.		1123	1123
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		186	186
Cofferdam Excavation	Cu. Yd.		138	138
Cofferdams	Each		1	1
Concrete Structures	Cu. Yd.		146.5	146.5
Concrete Superstructure	Cu. Yd.	302.1		302.1
Seal Coat Concrete	Cu. Yd.		64.2	64.2
Bridge Deck Grooving	Sq. Yd.	887		887
Concrete Encasement	Cu. Yd.		7.0	7.0
Protective Coat	Sq. Yd.	1024		1024
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	5040		5040
Reinforcement Bars, Epoxy Coated	Pound	62800	15070	77870
Bar Splicers	Each	509	76	585
Furnishing Steel Piles HP 10x57	Foot		1260	1260
Furnishing Steel Piles HP 12x74	Foot		648	648
Driving Piles	Foot		1908	1908
Test Pile Steel HP 10x57	Each		2	2
Test Pile Steel HP 12x74	Each		1	1
Pile Shoes	Each		30	30
Temporary Sheet Piling	Sq. Ft.		1007	1007
Name Plates	Each	1		1
Anchor Bolts, 1"	Each	60		60
Geocomposite Wall Drain	Sq. Yd.		125	125
Pipe Underdrains for Structures 4"	Foot		178	178
Drainage Scuppers, DS-11	Each	18		18
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Temporary Support System	L. Sum	1		1



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains for Structures 4".

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 601101).

DESIGNED	J.ZUO
CHECKED	J. MUHAMMAD
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI



GENERAL DATA
F.A.P. RT. 345 - SEC. 98-00153-02-BR
DU PAGE COUNTY
STATION 107+17.50
STRUCTURE NO. 022-3011