Calculated weight of Structural Steel =

All structural steel shall be AASHTO M 270 Grade 50W. All structural steel shall be cleaned as specified in the Special Provision for "Surface" Preparation and Painting Requirements for Weathering Steel",

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. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $l_{\rm B}$ 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. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

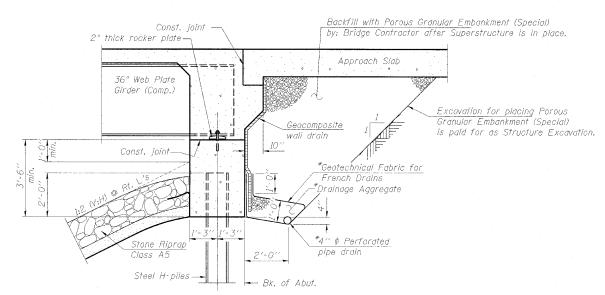
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

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

In lieu of the hammer selection criteria and use of the FHWA Modified Gates formula specified in Section 512 of the Standard Specifications, the Contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.

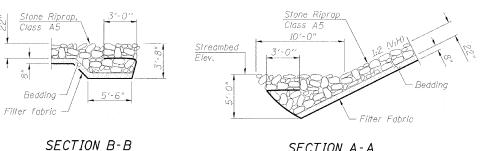
The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



SECTION THRU INTEGRAL ABUTMENT

*Included in the cost of Pipe Undredrains for Structures.



INDEX OF SHEETS

General Plan

37-40 Borings (Sheet 1 thru 4)

General Data Substructure Layout Top of Slab Elevations Top of Slab Elevations - Approach Slabs Superstructure Details - W.B.L. Superstructure Details - E.B.L. Bridge Approach Slab Details 22-23 Structural Steel Details - W.B.L. 24-25 Structural Steel Delails - E.B.L. Bearing Details West Abutment - W.B.L. East Abutment - W.B.L. West Abutment - E.B.L. East Abutment - E.B.L. Existing Pier Concrete Removal Details Pier - W.B.L. Pier - E.B.L. Bar Splicer Assembly and Mechanical Splicer Details HP Pile Details Concrete Parapet Slipform Option

STATION 286+88.48 RE-BUILT 20__ BY STATE OF ILLINOIS F.A.I. RT. 280 SEC. 81-1(B-1)R LOADING HS20-44 & ALT STRUCTURE NO. 081-0026

SECTION A-A

NAME PLATE - E.B.L.

NAME PLATE - W.B.L. See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

TOTAL BILL OF MATERIAL

TOTAL BILL OF MATERIAL				
ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	371	371
Stone Riprap, Class A5	Sq. Yd.	-	1022	1022
Filter Fabric	Sq. Yd.	-	1022	1022
Removal of Existing Structures No. 2	Each	2	-	2
Concrete Removal	Cu. Yd.	-	13.8	13.8
Concrete Siopewall Removal	Sq. Yd.	-	879	879
Structure Excavation	Cu, Yd.	-	461	461
Floor Drains	Each	24	-	24
Concrete Structures	Cu. Yd.	-	200.0	200.0
Concrete Superstructure	Cu. Yd.	923.5	-	923.5
Bridge Deck Grooving	Sg. Yd.	2370	-	2370
Concrete Encasement	Cu. Yd.	-	9.6	9.6
Protective Coat	Sq. Yd.	2910	-	2910
Furnishing and Erecting Structural Steel Bridge No. 5	L. Sum	t		1
Stud Shear Connectors	Each	6840	-	6840
Reinforcement Bars, Epoxy Coated	Pound	209450	30490	239940
Bar Splicers	Each	176	-	176
Furnishing Steel Piles HP 12x63	Foot	-	574	574
Driving Piles	Foot	-	574	574
		-	-	-
Pile Shoes	Each	-	28	28
Name Plates	Each	2	-	2
Anchor Bolts, 1"	Each	48	-	48
Ancher Bolts, 1/4"	Each	24	-	24
Geocomposite Wall Drain	Sq. Yd.	-	188	188
Pipe Underdrains for Structures 4"	Foot		340	340
				

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 slope. The pipes shall drain into concrete headwalls. (See Artical 601.05 of the Standard Specifications and Highway Standard 601101)

GENERAL DATA STRUCTURE NUMBERS 081-0026 (E.B.) & 081-0027 (W.B.)

NO.

415

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F.A.I. RT. 280 SEC. 81-1(B-1)R

LOADING HS20-44 & ALT

STRUCTURE NO. 081-0027

SECTION COUNTY RTE. SHEETS SHEET NO. 2 Rock Island 503 81-1(B-1)R 280 40 SHEETS CONTRACT NO. 64815 ILLINOIS FED. AID PROJECT