

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheet S2 of S25	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	309	(17R)B	WHITESIDE	376	52
FED. ROAD DIST. NO. 2		ILLINOIS FED. AID PROJECT			

Contract #64B74

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ " in. ϕ , holes $\frac{5}{16}$ " in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel:
M270 Grade 50 = 82,370 pounds.
M270 Grade 36 = 8,850 pounds.
- All structural steel shall be AASHTO M 270 Grade 50.
- 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.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (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. See Special Provision for "Cleaning and Painting New Metal Structures".
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- 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 is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.
- If the Contractor's procedures for existing beam removal involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.
- The Contractor is advised that the existing stonewalls are in a deteriorated condition and may become unstable during construction. It is the contractor's responsibility to account for the condition of the stonewalls during construction staging.
- Slipforming of the concrete portions of the parapets is not allowed.
- The Contractor shall submit Structural Assessment Report(s) as required for Contractor's means and methods of construction. See Special Provisions.
- Current Ratings on File for Existing Structure:
Inventory: 8.0
Operating: 15.1
Live Load Restrictions: No
Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

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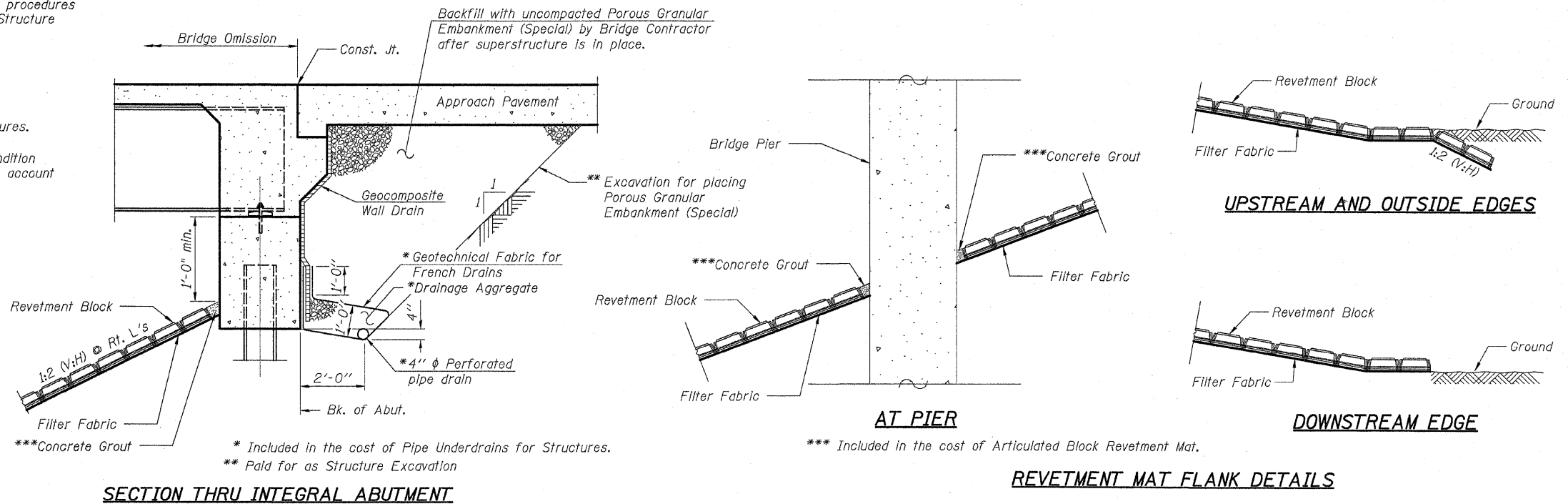
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STATION 1037+84.35
BUILT 2009 BY
STATE OF ILLINOIS
FAP 309, SECTION (17R)B
LOADING HS20
STRUCTURE NO. 098-0113

NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		155	155
Filter Fabric	Sq. Yd.			1348
Articulated Block Revetment Mat	Sq. Yd.			1348
Bridge Approach Pavement (Special)	Sq. Yd.			356
Removal of Existing Structures	Ea.			1
Structure Excavation	Cu. Yd.		192	192
Concrete Structures	Cu. Yd.		188.0	188.0
Concrete Superstructure	Cu. Yd.	218.4		218.4
Bridge Deck Grooving	Sq. Yd.	420		420
Concrete Encasement	Cu. Yd.		11.0	11.0
Protective Coat	Sq. Yd.	785		785
Furnishing and Erecting Structural Steel	L. Sum			1
Stud Shear Connectors	Ea.	2,520		2,520
Reinforcement Bars, Epoxy Coated	Lb.	53,170	16,210	69,380
Bar Splicers	Ea.	593	98	691
Furnishing Steel Piles HP12x53	Ft.		1,080.4	1,080.4
Driving Piles	Ft.		1,080.4	1,080.4
Test Pile Steel HP12x53	Ea.		2	2
Pile Shoes	Ea.		32	32
Temporary Sheet Piling	Sq. Ft.		103	103
Name Plates	Ea.	1		1
Anchor Bolts, 1"	Ea.			56
Geocomposite Wall Drain	Sq. Yd.		95	95
Pipe Underdrains for Structures, 4"	Foot		146	146
Drainage Scupper, DS-12	Ea.	2		2
Temporary Soil Retention System	Sq. Ft.		541	541
Underwater Structure Excavation Protection - Pier 1	Ea.		1	1
Underwater Structure Excavation Protection - Pier 2	Ea.		1	1
Stone Masonry Facing	Ft.	390		390



SECTION THRU INTEGRAL ABUTMENT

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).

REJETMENT MAT FLANK DETAILS

GENERAL NOTES, INDEX OF SHEETS,
AND TOTAL BILL OF MATERIAL
U.S. RTE. 30/IL RTE. 78 OVER ROCK CREEK
F.A.P. ROUTE 309, SECTION (17R)B
WHITESIDE COUNTY
STATION 1037+84.35
STRUCTURE NO. 098-0113
DATE: December 18, 2008 DRAWN BY: D. Schettler
CHECKED BY: A. Yargolaolu