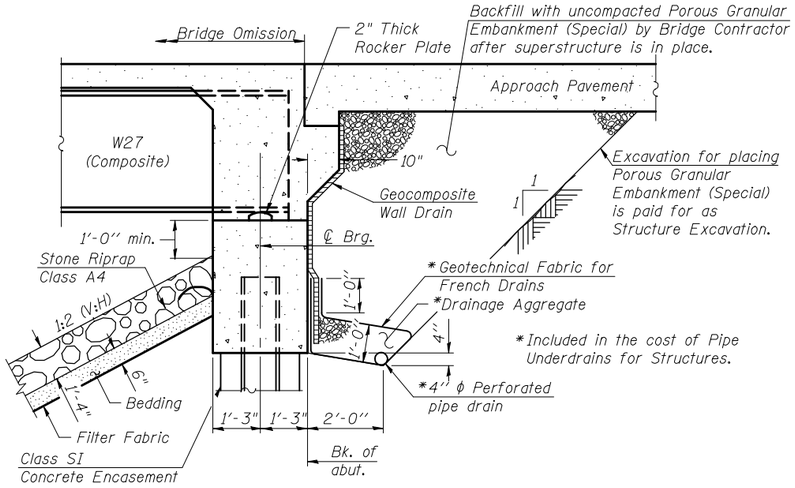
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6406	1(BR-2)	MCLEAN	74	26
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
22 SHEETS

Contract #70517



SECTION THRU INTEGRAL ABUTMENT

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).

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 = 114,450 lbs.

All structural steel shall be AASHTO M270 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 the designated elevations within a tolerance of $\frac{1}{8}$" (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". 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 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.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

If the Contractor's procedures for existing beam removal or placement of new beams 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.

Slipforming of parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		133	133
Stone Riprap, Class A4	Sq. Yd.		1512	1512
Filter Fabric	Sq. Yd.		1512	1512
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		277	277
Floor Drains	Each	16		16
Concrete Structures	Cu. Yd.		152.1	152.1
Concrete Superstructure	Cu. Yd.	218.5		218.5
Bridge Deck Grooving	Sq. Yd.	623		623
Concrete Encasement	Cu. Yd.		9.8	9.8
Protective Coat	Sq. Yd.	780		780
Furnishing and Erecting Structural Steel	L. Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	50780	13050	63830
Furnishing Steel Piles HP 12 x 53	Foot		1566	1566
Driving Piles	Foot		1566	1566
Test Pile Steel HP 12x53	Each		4	4
Name Plates	Each	1		1
Anchor Bolts, 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		68	68
Pipe Underdrains for Structures 4"	Foot		165	165
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Stud Shear Connectors	Each	3276		3276
Bar Splicers	Each	84		84
~~Slope Wall Removal~~	~~Sq. Yd.~~		~~313~~	~~313~~
Asbestos Bearing Pad Removal	Each			52

GENERAL NOTES AND BILL OF MATERIAL
US. ROUTE 150
OVER KICKAPOO CREEK
FAU ROUTE 6406 SECTION 1(BR-2)
MCLEAN COUNTY
STATION 407+23.50
STRUCTURE NO. 057-0246