

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 7968	#	SANGAMON	261	172
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

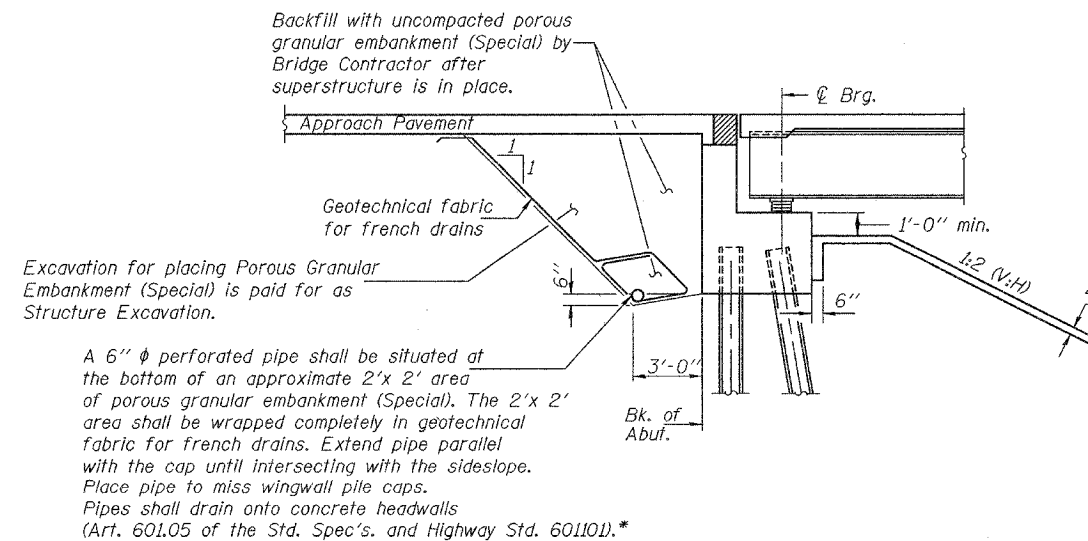
SHEET NO. 2
33 SHEETS
Contract #72449 *SECTION 3R(BR, BR-1, BR-2)19RS-8

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts $7/8"$ ϕ , open holes $15/16"$ ϕ , unless otherwise noted.
 Calculated weight of Structural Steel = 231,370 lb.
 Field welding of construction accessories will not be permitted to beams.
 Anchor bolts shall be set before bolting diaphragms over supports.
 The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams, diaphragms, connection plates and all splice plate materials.
 Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.
 Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $1/8$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $1/8"$ adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
 The Contractor shall drive one HP12x53 test pile in a permanent location at each abutment and one HP12x74 test pile in a permanent location at each pier as directed by the Engineer before ordering the remainder of piles.
 Bridge Seat Sealer shall be applied to the seat area of the East and West 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 Construction joints shall be bonded.
 The Contractor shall submit the procedure for blocking the floating bearings to the Engineer for approval prior to erecting the structural steel.
 Before starting work, the Contractor shall submit a procedure for erecting the beams, which details the proposed method to keep the beams vertical, to the Engineer for approval prior to initiating steel erection. See Article 505.08 of the Standard Specifications.
 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 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 Interstate Green, Munsell No. 7.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".
 Removal and disposal of the existing slope wall shall not be paid for separately but shall be included in the unit bid price for Removal of Existing Structures.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		131	131
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		552	552
Driving Steel Piles	Foot		2378	2378
Preformed Joint Strip Seal 4"	Foot	63		63
Concrete Structures	Cu. Yd.		217.2	217.2
Concrete Superstructure	Cu. Yd.	226.2		226.2
Bridge Deck Grooving	Sq. Yd.	607.0		607.0
Protective Coat	Sq. Yd.	848.3		848.3
Furnishing and Erecting Structural Steel	L. Sum	0.91		0.91
Stud Shear Connectors	Each	3380		3380
Reinforcement Bars, Epoxy Coated	Pound	51170	37580	88750
Slope Wall, 4"	Sq. Yd.		676	676
Name Plates	Each	1		1
Furnishing Steel Piles HP12x53	Foot		981	981
Test Pile Steel HP12x53	Each		2	2
Furnishing Steel Piles HP12x74	Foot		1397	1397
Test Pile Steel HP12x74	Each		2	2
Bridge Seat Sealer	Sq. Ft.		183.3	183.3
Drainage Scuppers, DS-33	Each	1		1
Floating Bearings, Guided Expansion, 75 K	Each	10		10
Floating Bearings, Guided Expansion, 200 K	Each	5		5
Floating Bearings, Fixed, 200 K	Each	5		5
Bar Splicers	Each		64	64



SECTION THRU ABUTMENTS

(Dimensions \odot Rt. L's)

*Included in the cost of Porous Granular Embankment (Special)

GENERAL DATA
 F.A.U. ROUTE 7968
 SECTION 3R(BR, BR-1, BR-2)19RS-8
 SANGAMON COUNTY
 STATION 17+97.34
 STRUCTURE NO. 084-0518

DESIGNED	J. Mann
CHECKED	G. Ahanchi
DRAWN	BECKY M. LEACH <i>htd</i>
CHECKED	JWM/GRA

December 1, 2005
 EXAMINED *Thomas J. Demagalabi*
 ENGINEER OF BRIDGE DESIGN
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES