

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 5 FAS 467	03-00027 -11-BR	TAZEWELL	24	6
		ILLINOIS	PROJ. BRS-467(04)	

CONTRACT NO. 89361 Sheet 2 of 15

GENERAL NOTES

Fasteners shall be high strength bolts (AASHTO M 164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas). Bolts $\frac{1}{2}$ " ϕ , open holes $\frac{5}{16}$ " ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 45,630 Pounds

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

AASHTO M 270 Grade 50W structural steel shall only be painted, at the ends of the beams, 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 an inorganic zinc rich primer per AASHTO M 300, Type 1. No field painting shall be required. All structural steel shall be cleaned as specified in the special provisions for "Surface Preparation and Painting Requirements for Weathering Steel".

All construction joints shall be bonded.

All structural steel shall be AASHTO M 270 Grade 50W.

Field welding of construction accessories to beams or girders will not be permitted.

Anchor bolts shall be set before bolting diaphragms (bolting cross frames) 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 and all splice plate material.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

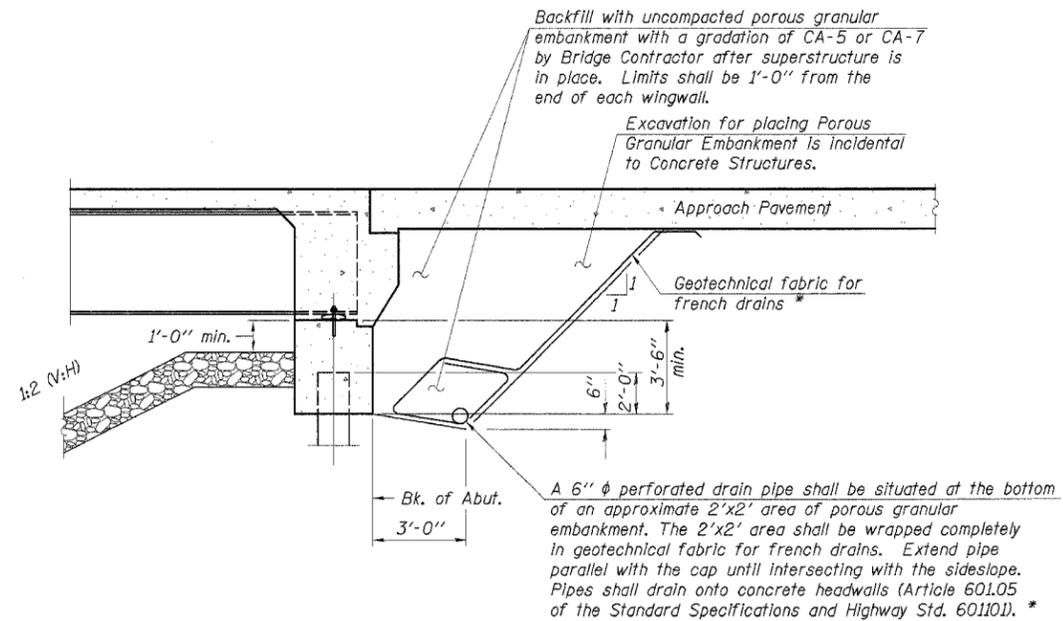
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ " 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 two metal shell test piles in a permanent location one each at the west abutment and pier 2 as directed by the Engineer before ordering the remainder of piles.

Structure Excavation will not be paid for as separate item but shall be considered as included in the contract unit price for the class of concrete involved.

See Proposal Booklet for Boring Data.



* Included in the cost of Porous Granular Embankment.

SECTION THRU INTEGRAL ABUTMENT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Test Pile Metal Shells	Each		2	2
Furnishing Metal Shell Piles 14"	Foot		1,023	1,023
Driving & Filling Shells	Foot		1,023	1,023
Concrete Structures	Cu. Yd.		38.6	38.6
Furnishing and Erecting Structural Steel	L. Sum			1
Reinforcement Bars, Epoxy Coated	Pound	22,210	5,260	27,470
Concrete Superstructure	Cu. Yd.	99.8		99.8
Name Plates	Each		1	1
Stone Riprap, Class A4	Ton		477	477
Filter Fabric For Use with Riprap	Sq. Yd.		378	378
Bridge Deck Grooving	Sq. Yd.	314		314
Protective Coat	Sq. Yd.	336		336
Bar Splitters	Each	60		60
Porous Granular Embankment	Ton		166	166
Stud Shear Connectors	Each	1830		1830
Concrete Encasement	Cu. Yd.		19.0	19.0
Steel Bridge Rail, Type SM	Foot	203		203
Underwater Structure Excavation Protection Location 1	Each		1	1
Underwater Structure Excavation Protection Location 2	Each		1	1

DESIGNED	S.F.M.
CHECKED	P.S.L. & F.J.S.
DRAWN	K.T.R., J.P.S. & S.A.P.
CHECKED	S.F.M.

GENERAL NOTES, BILL OF MATERIAL & MISCELLANEOUS DETAILS

SECTION 03-00027-11-BR
COUNTY HIGHWAY 5
TAZEWELL COUNTY
STA. 61+32

4440 ASH GROVE
SPRINGFIELD, IL 62711
(217) 793-8800
oasinc@famvid.com

OZYURT AND STONE, INC.
CONSULTING ENGINEERS

JOB NO.: 0313
FILE: BILLOLDGN
DATE: 12/30/04