

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 3	07-00188-00-BR	WHITESIDE	32	7
		ILLINOIS		

Sheet 2 of 22 Contract No. 85465

GENERAL NOTES

Fasteners shall be high strength bolts (AASHTO M 164, Type 3). Bolts $\frac{7}{8}$ " ϕ , open holes $\frac{15}{16}$ " ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 96,480 Pound AASHTO M270 Grade 50W

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

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 in. 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".

Anchor Bolts shall be set before bolting diaphragms over supports.

No field welding is permitted except as specified in the Contract documents.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60 See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

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

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

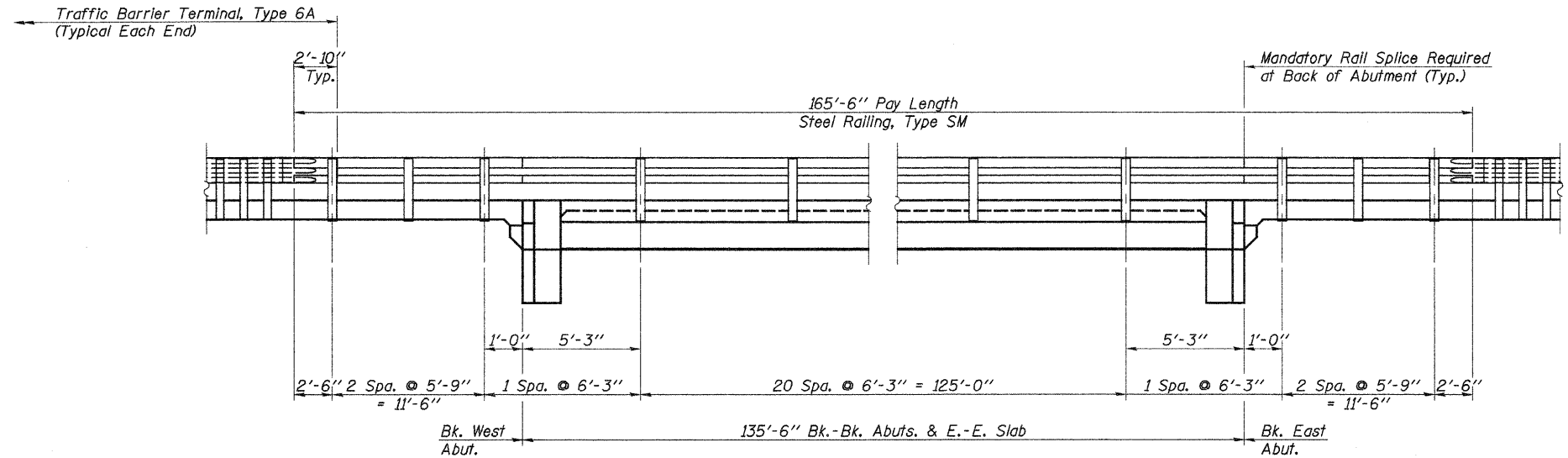
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ " adjusting shims, of the dimension of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

The contractor shall drive one steel HP14x73 test pile in a permanent location at the west abutment & one steel HP14x73 test pile at pier #2 as directed by the Engineer before ordering the remainder of piles.

The Contractor shall drive test piles to 110 percent of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of piles.

All exposed portions of abutments, wing walls, and piers shall receive a rubbed finish in accordance with Article 503.15 (b) of the standard specifications. Cost to be included in cost of Concrete Structures.

See Proposal Booklet for Soil Boring Data.



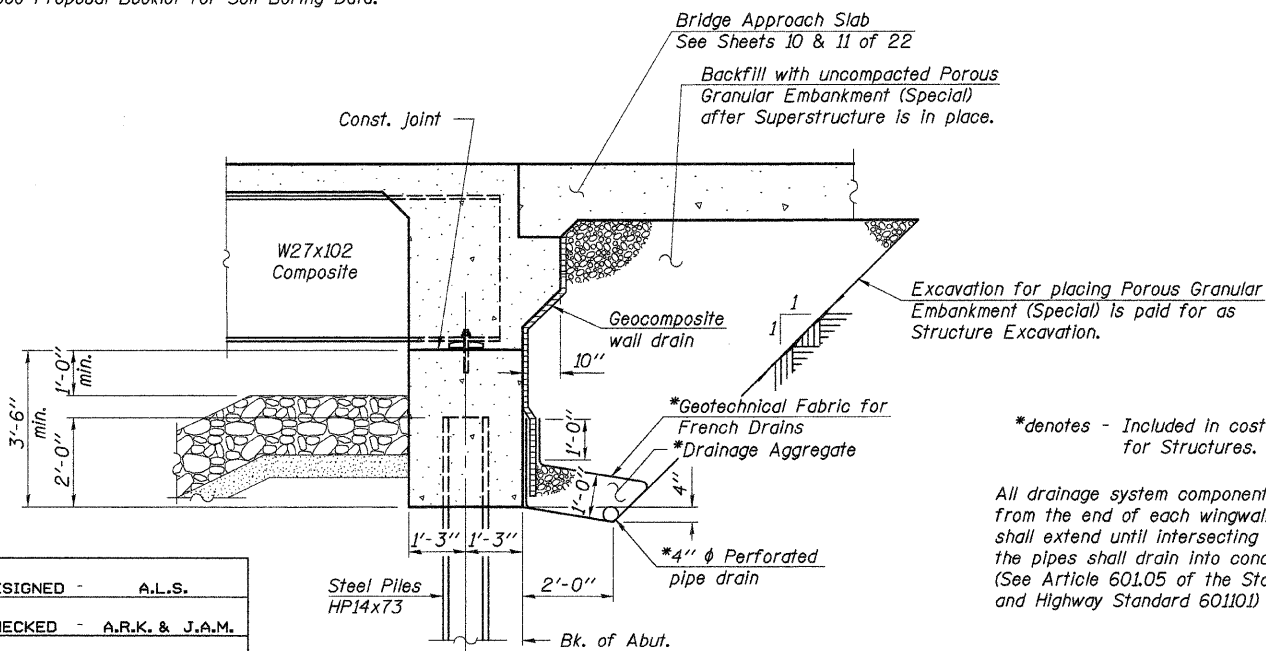
RAIL POST SPACING

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, (Special)	Cu. Yd.		92	92
Stone Riprap, Class A4	Ton		374	374
Filter Fabric	Sq. Yd.		445	445
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		224	224
Concrete Structures	Cu. Yd.		80.1	80.1
Concrete Superstructure	Cu. Yd.	257.2		257.2
Bridge Deck Grooving	Sq. Yd.	739		739
Protective Coat	Sq. Yd.	1,063	14	1,077
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	3,222		3,222
Reinforcement Bars, Epoxy Coated	Pound	61,910	7,000	68,910
Steel Railing, Type SM	Foot	331		331
Furnishing Steel Piles HP14x73	Foot		2,337	2,337
Driving Piles	Foot		2,337	2,337
Test Piles, HP14x73	Each		2	2
Concrete Encasement	Cu. Yd.		57.9	57.9
Name Plates	Each	1		1
Pipe Underdrains for Structure 4"	Foot		140	140
Geocomposite Wall Drain	Sq. Yd.		61	61
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Bar Splicers	Each	72		72
Concrete Headwalls for Pipe Drains	Each		4	4
Anchor Bolts 1" ϕ	Each		24	24
Anchor Bolts 1 1/4" ϕ	Each		24	24

COON CREEK
BUILT 200_ BY
WHITESIDE COUNTY
SEC. 07-00188-00-BR
F.A.S. RT. 2192
STR. NO. 098-3076
LOADING HL-93

LETTERING FOR NAME PLATE
See Std. 515001



*denotes - Included in cost of Pipe Underdrains for Structures.

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)

DESIGNED -	A.L.S.
CHECKED -	A.R.K. & J.A.M.
DRAWN -	S.A.P.
CHECKED -	A.R.K.

SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

GENERAL NOTES, BILL OF MATERIAL
& MISCELLANEOUS DETAILS
SECTION 07-00188-00-BR
COUNTY HIGHWAY 3
WHITESIDE COUNTY
STA. 48+02.50

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DATE: 08/17/09

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