

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		91	91
REMOVAL OF EXISTING SUPERSTRUCTURES	L SUM	1		1
CONCRETE REMOVAL	CU YD		30.9	30.9
SLOPE WALL REMOVAL	SQ YD		495	495
PROTECTIVE SHIELD	SQ YD	537		537
STRUCTURE EXCAVATION	CU YD		85	85
CONCRETE STRUCTURES	CU YD		112.8	112.8
CONCRETE SUPERSTRUCTURE	CU YD	418.4		418.4
BRIDGE DECK GROOVING	SQ YD	1,143		1,143
PROTECTIVE COAT	SQ YD	1,374		1,374
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
STUD SHEAR CONNECTORS	EACH	4320		4320
REINFORCEMENT BARS, EPOXY COATED	POUND	102,370	20,770	123,140
BAR SPLICERS	EACH	88		88
SLOPE WALL 4 INCH	SQ YD		571	571
NAME PLATES	EACH	1	1	2
PREFORMED JOINT STRIP SEAL	FOOT	96		96
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12		12
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12		12
ANCHOR BOLTS, 5/8"	EACH	24		24
ANCHOR BOLTS, 3/4"	EACH	24		24
ANCHOR BOLTS, 1"	EACH	12		12
GEOCOMPOSITE WALL DRAIN	SQ YD		80	80
CONCRETE SEALER	SQ FT		649	649
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		176	176
DRAINAGE SCUPPER DS-II	EACH	4		4

GENERAL NOTES

Fasteners shall be AASHTO M164 Type I, mechanically galvanized bolts.
Splicers: Bolts 7/8"φ, Holes 15/16"φ
Diaphragms: Bolts 3/4"φ, Holes 15/16"φ
Calculated weight of Structural Steel = 272,116 lbs. (AASHTO M270 Grade 50)
= 14,336 lbs. (AASHTO M270 Grade 36)

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.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

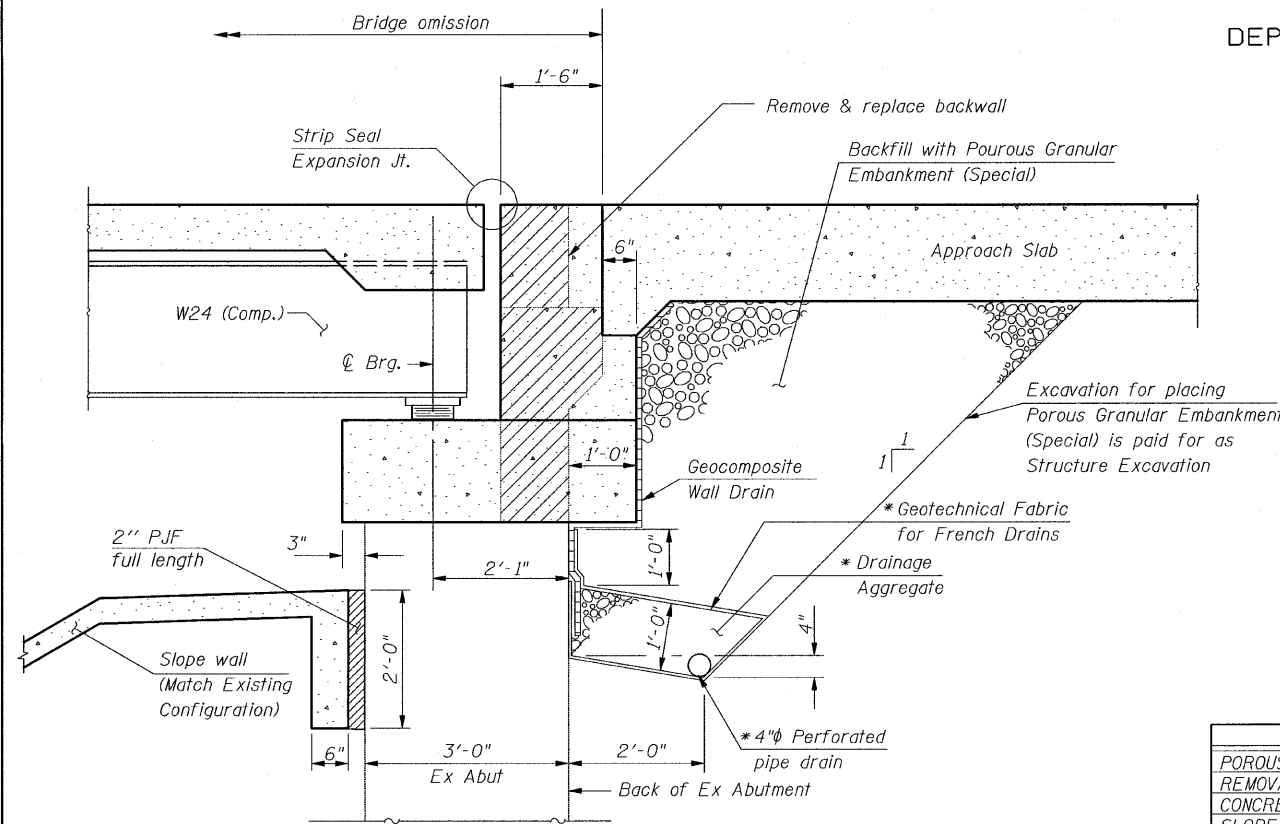
Concrete Sealer shall be applied to the designated areas of the South & North Abutment. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

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 Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

The existing structure will be removed while traffic is active on US 20. The contractor shall provide Protective Shield in accordance with applicable provisions of Section 501 of the Standard Specifications. The Protective Shield limits shall extend from existing pier to existing pier and from outside to outside of existing structure. Protective Shield shall be paid for as required for structure removal only.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
Slipforming of parapets is not allowed.



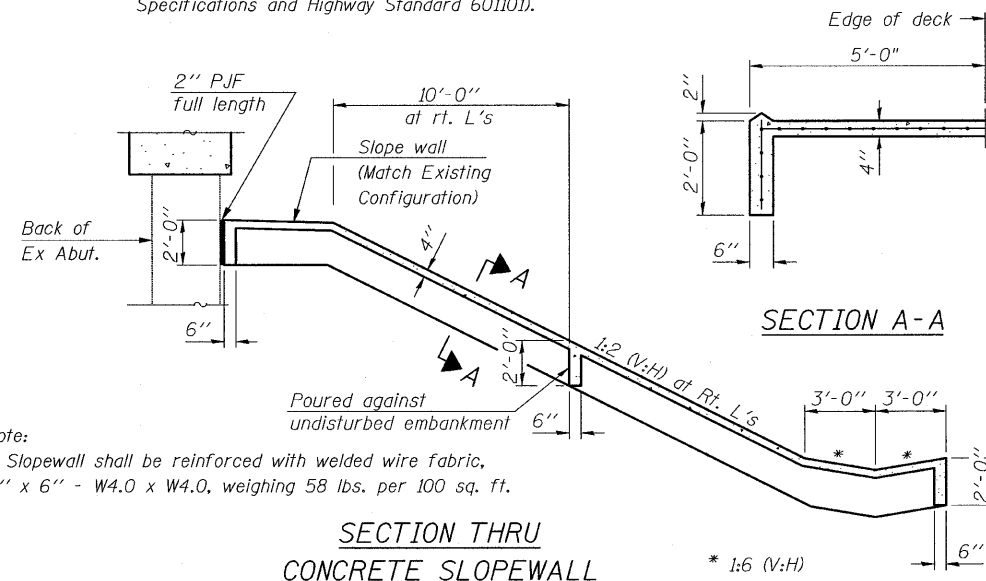
SECTION THRU ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains For Structures.

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).



SECTION THRU CONCRETE SLOPEWALL

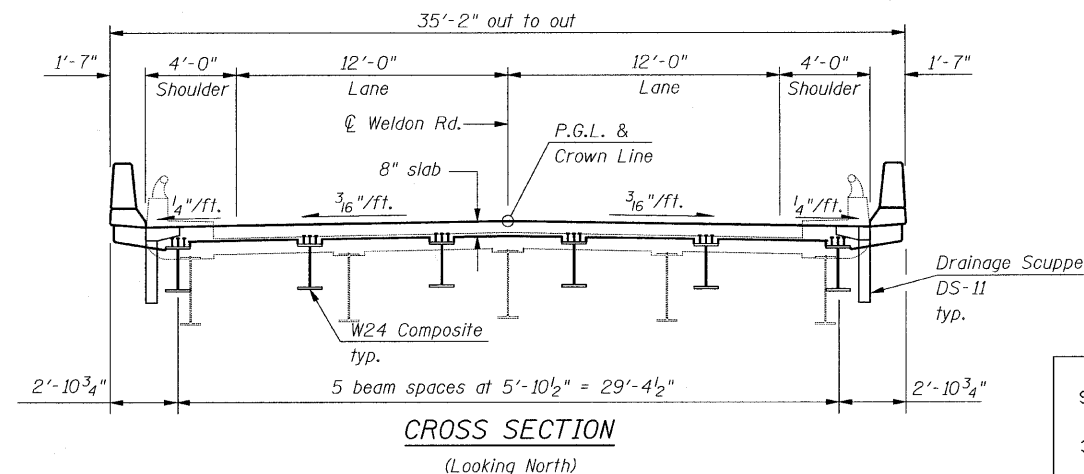
Note:

Sloped wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD



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CROSS SECTION

(Looking North)

GENERAL DATA
S.N. 101-0120

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 OF 34 SHEETS	301	(1-1HB-1)D	WINNEBAGO	55	18
CONTRACT NO. 64E11					
ILLINOIS FED. AID PROJECT					