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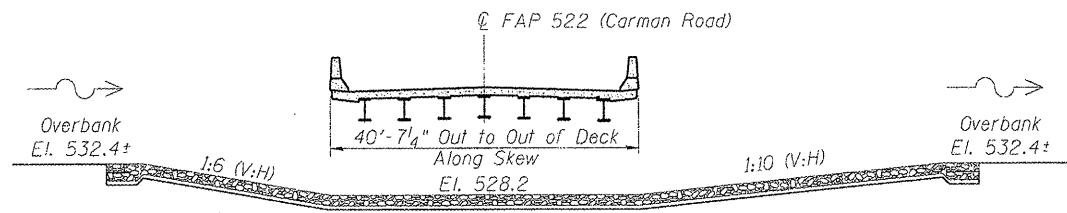
General Notes

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{9}{16}$ in. ϕ , unless otherwise noted.
2. Calculated weight of Grade 36 Structural Steel = 8,720 lbs.
Calculated weight of Grade 50 Structural Steel = 108,970 lbs.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. 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.
7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
9. 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 blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures".
10. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
11. Slipforming of the parapet is not allowed.
12. The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An existing structure information package is available upon request as noted in the special provisions.
13. Current Ratings on File for Existing Structure
Inventory: HS 13.6
Operating: HS 22.7
Live Load Restrictions: No Overloads

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

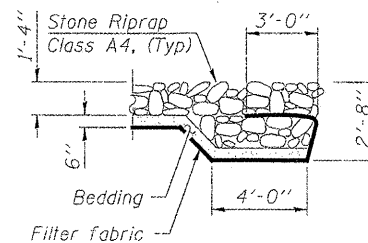
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		93	93
Stone Riprap, Class A4	Sq. Yd.		2470	2470
Filter Fabric	Sq. Yd.		2470	2470
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		292	292
Floor Drains	Each	16		16
Concrete Structures	Cu. Yd.		287.5	287.5
Concrete Superstructure	Cu. Yd.	365.7		365.7
Bridge Deck Grooving	Sq. Yd.	900		900
Concrete Encasement	Cu. Yd.		17.2	17.2
Protective Coat	Sq. Yd.	1175		1175
Furnishing & Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4221		4221
Reinforcement Bars, Epoxy Coated	Pound	86,430	29,420	115,850
Bar Splicers	Each	850	244	1094
Furnishing Steel Piles HP12x53	Foot		1304	1304
Furnishing Steel Piles HP14x73	Foot		3132	3132
Driving Piles	Foot		4436	4436
Test Pile Steel HP12x53	Each		2	2
Test Pile Steel HP14x73	Each		4	4
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		84	84
Geocomposite Wall Drain	Sq. Yd.		64	64
Pipe Underdrains for Structures 4"	Foot		134	134
Temporary Soil Retention System	Sq. Ft.		1070	1070
Underwater Structure Excavation Protection-Location 1	Each		1	1
Underwater Structure Excavation Protection-Location 2	Each		1	1
Underwater Structure Excavation Protection-Location 3	Each		1	1
Underwater Structure Excavation Protection-Location 4	Each		1	1
Mechanical Splicers	Each		144	144

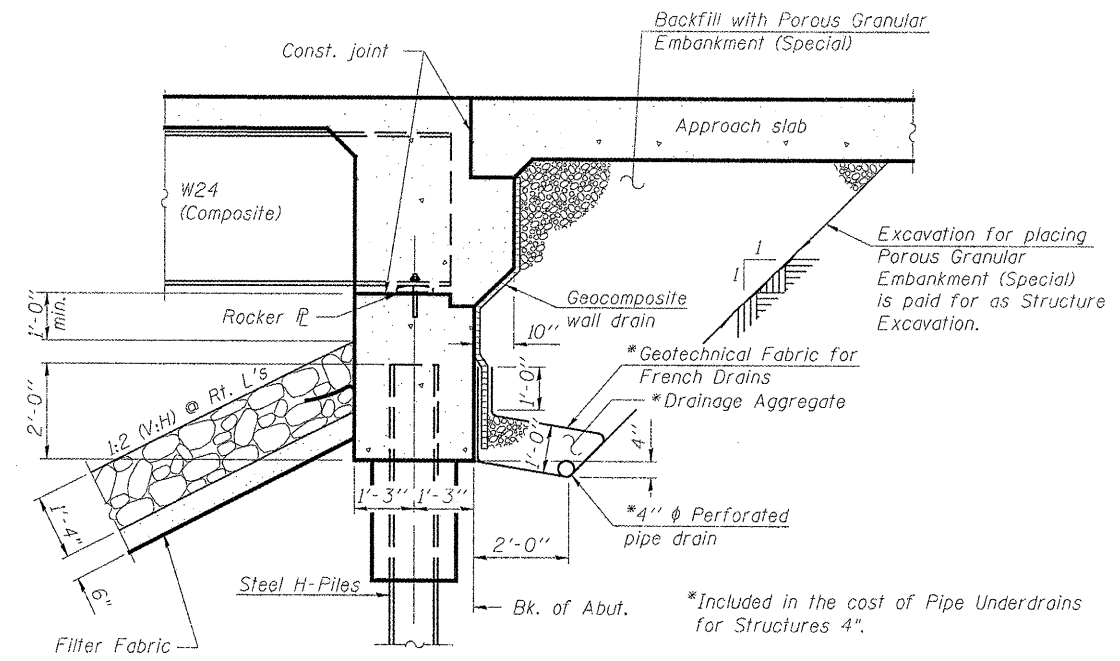


SECTION A-A

(EXCAVATION PAID FOR AS CHANNEL EXCAVATION)



SECTION B-B



SECTION THRU INTEGRAL ABUTMENT

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

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 60110).

HURST-ROSCHKE ENGINEERS, INC.
HILLSBORO, ILLINOIS 62049
(217)532-3959 FAX (217)532-3212
HR JOB # 190-1785

HR
HURST-ROSCHKE
ENGINEERS, INC.

FILE NAME =	USER NAME =	DESIGNED - JSP	REVISED -
	CHECKED - CJC	REVISED -	
PLOT SCALE =	DRAWN - UJ	REVISED -	
PLOT DATE =	CHECKED - RVB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 036-0071

SHEET NO. 2 OF 27 SHEETS

F.A.P. RTE. 522	SECTION (14-1-B1) BR	COUNTY HENDERSON	TOTAL SHEETS 70	SHEET NO. 15
CONTRACT NO. 68298			ILLINOIS FED. AID PROJECT	