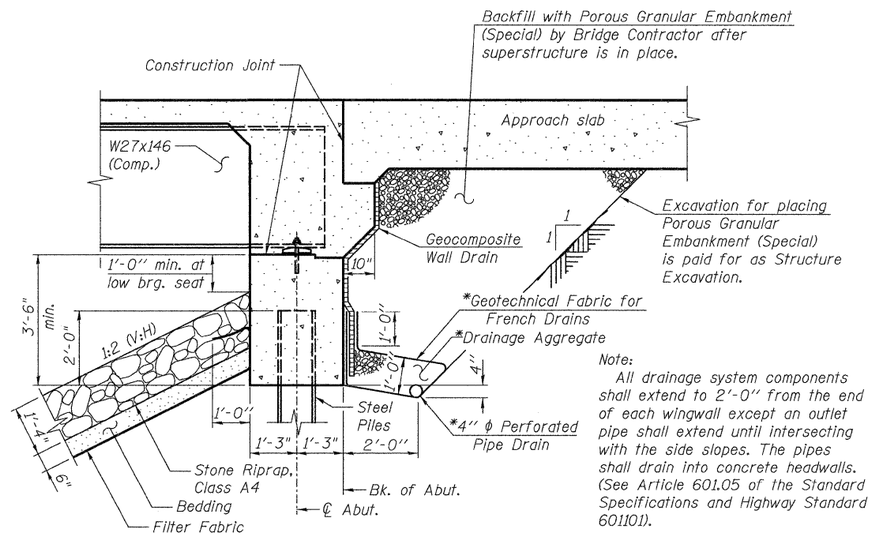
GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 3. Bolts $^{7}/_{8}$" diameter, holes $^{15}/_{16}$" diameter, unless otherwise noted.
2. Calculated weight of Structural Steel = 224,730 lbs. ⚠1
3. All structural steel shall be AASHTO M270 Grade 50W. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations 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.
8. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $^{1}/_{8}$ in. (0.01 ft.). Adjustment shall be made by either grinding the surface or by shimming the bearings.
9. Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3". Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.
10. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
11. The existing bearings contain lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
12. The Contractor is advised that the existing concrete superstructure is a continuous structure and removal must be done in a proper sequence, possibly with falsework support.
13. The existing concrete piles at the south abutment of existing Structure No. 038-0148 (NB) shall be left in place and the top portions removed to 1'-0" below the bottom of the proposed stone riprap bedding grade. Cost is included with Removal of Existing Structures.

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL	SUPER	SUB
Stone Riprap, Class A4	Sq .Yd.	2,844		2,844
Filter Fabric	Sq. Yd.	2,844		2,844
Removal of Existing Structures	Each	2		
Structure Excavation	Cu. Yd.	472		472
Floor Drains	Each	20	20	
Concrete Structures	Cu. Yd.	305.4		305.4
Concrete Superstructure	Cu. Yd.	629.8	629.8	
Bridge Deck Grooving	Sq. Yd.	1,488	1,488	
Concrete Encasement	Cu. Yd.	19.6		19.6
Protective Coat	Sq. Yd.	1,860	1,860	
Furnishing and Erecting Structural Steel	L. Sum	1	1	
Stud Shear Connectors	Each	10,320	10,320	
Reinforcement Bars, Epoxy Coated	Pound	188,780	151,040	37,740
Bar Splicers	Each	1,656	1,320	336
Furnishing Steel Piles HP12x53	Foot	1,347		1,347
Driving Piles	Foot	1,347		1,347
Test Pile Steel HP12x53	Each	6		6
Pile Shoes	Each	56		56
Name Plates	Each	2	2	
Anchor Bolts, 1"	Each	96		96
Geocomposite Wall Drain	Sq. Yd.	154		154
Temporary Sheet Piling	Sq. Ft.	1,239		1,239
Pipe Underdrains For Structures, 4"	Foot	270		270
Porous Granular Embankment, Special	Cu. Yd.	220		220
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



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 INTEGRAL ABUTMENT

*Included in the cost of Pipe Underdrains for Structures, 4".

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312-565-0450 Job No. 3938.09

⚠1 Rev. 11-8-11

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
STRUCTURE NO. 038-0222/0223
SHEET NO. S2 OF S41 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(38-8) BR & BR-1	IROQUOIS	73	17
		CONTRACT NO. 66948		
	ILLINOIS FED. AID PROJECT			

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