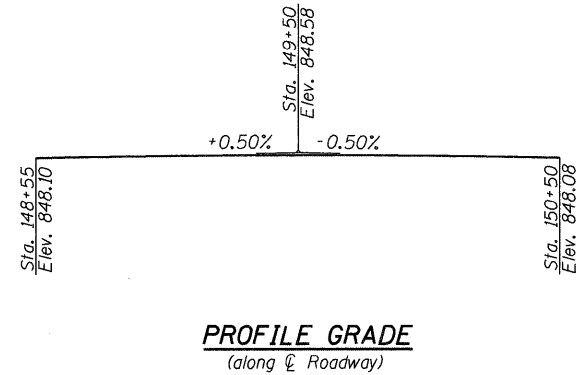


**GENERAL NOTES**

- 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.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- In lieu of the hammer selection criteria and use of the FHWA Modified Gates formula specified in Section 512 of the Standard Specifications, the Contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number as shown in the contract plans.
- Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment and wingwall at elevation shown on this sheet to ensure the remaining portion will not be damaged.
- If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.
- The contractor is advised that the existing structure contains member that are in 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 procedure for removal.



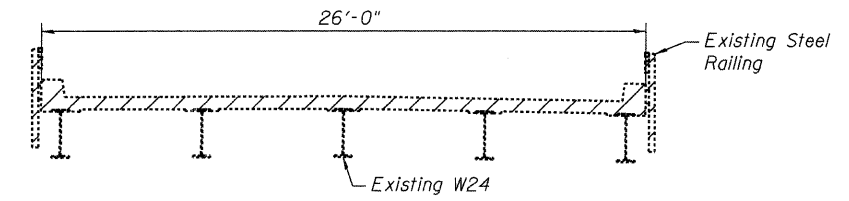
**PROFILE GRADE**  
(along Center Roadway)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		135.8	135.8
Stone Riprap, Class A4	Sq. Yd.		320	320
Filter Fabric	Sq. Yd.		320	320
Removal Of Existing Structures	Each	0.5	0.5	1
Structure Excavation	Cu. Yd.		271.4	271.4
Concrete Structures	Cu. Yd.		103.3	103.3
Concrete Superstructure	Cu. Yd.	334.8		334.8
Bridge Deck Grooving	Sq. Yd.	772		772
Concrete Encasement	Cu. Yd.		13.1	13.1
Protective Coat	Sq. Yd.	950		950
Furnishing and Erecting Precast Pressressed Concrete I-Beams, 36 in.	Foot	843		843
Reinforcement Bars, Epoxy Coated	Pound	81,750	9,370	91,120
Bar Splicers	Each	84		84
Furnishing Steel Piles HP14X73	Foot		756	756
Furnishing Steel Piles HP14X89	Foot		619	619
Driving Piles	Foot		1,281	1,281
Test Pile Steel HP14X73	Each		2	2
Test Pile Steel HP14X89	Each		1	1
Pile Shoes	Each		24	24
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		85.0	85.0
Pipe Underdrains for Structures 4"	Foot		120	120
Underwater Structure Excavation Protection - Location 1	Each		1	1

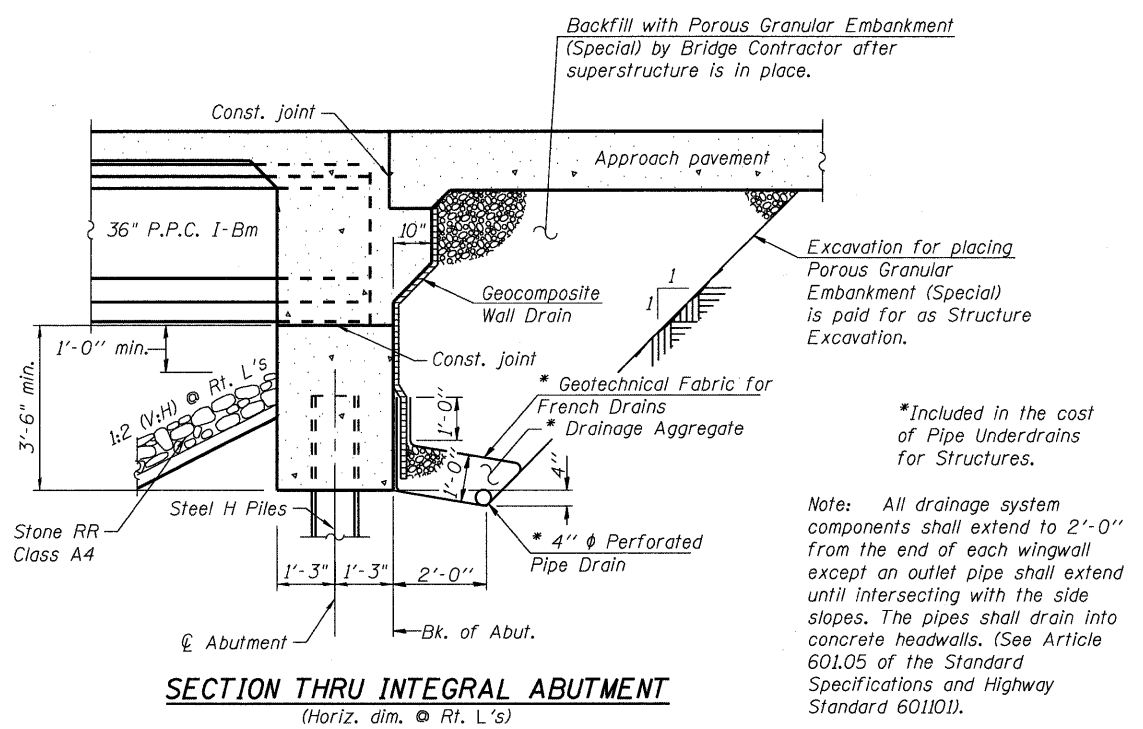
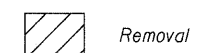
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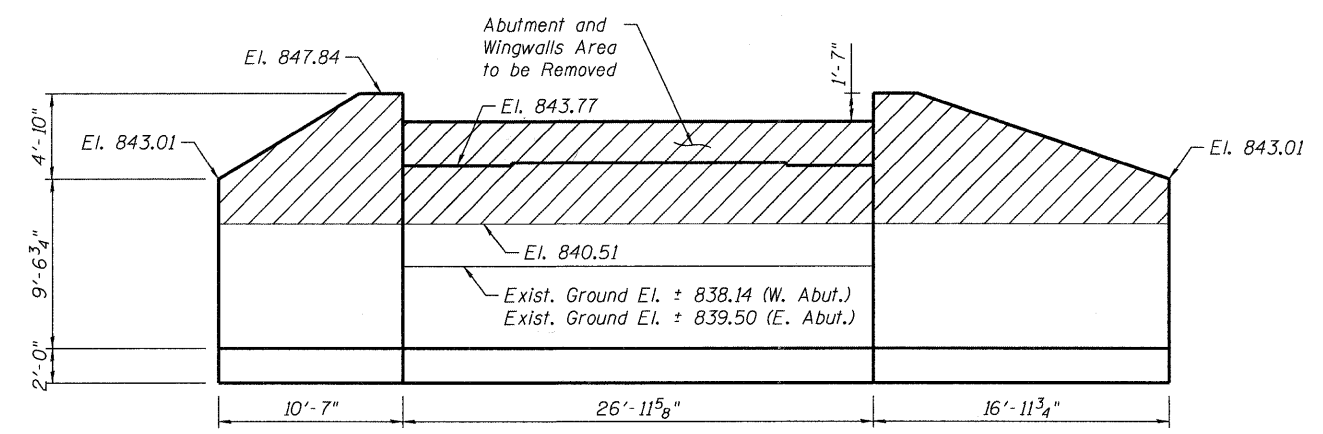


**EXISTING CROSS SECTION**

**LEGEND:**



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



**EXISTING ABUTMENT REMOVAL**  
(West Abutment Shown, East Abutment Similar)

FILE NAME = \\nashgl\p287\p68095873\p68095873.dwg, cad\181.dwg, sheet\structural\056-3177-69095873\_S02\_General\_Notes\_and\_BOM.dwg

<b>AECOM</b>	USER NAME = debezied	DESIGNED - DD	REVISED -	<b>MCHENRY COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>GENERAL NOTES AND BILL OF MATERIALS</b> <b>STRUCTURE NO. 056-3177</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 01' = 1" / IN. PLOT DATE = 5/28/2009	DRAWN - DD	REVISED -			0031	06-00323-00-BR	MCHENRY	53	21
		CHECKED - ATB	REVISED -			CONTRACT NO. 63218				
		DATE - 3/18/2009	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. OF SHEETS STA. TO STA.					