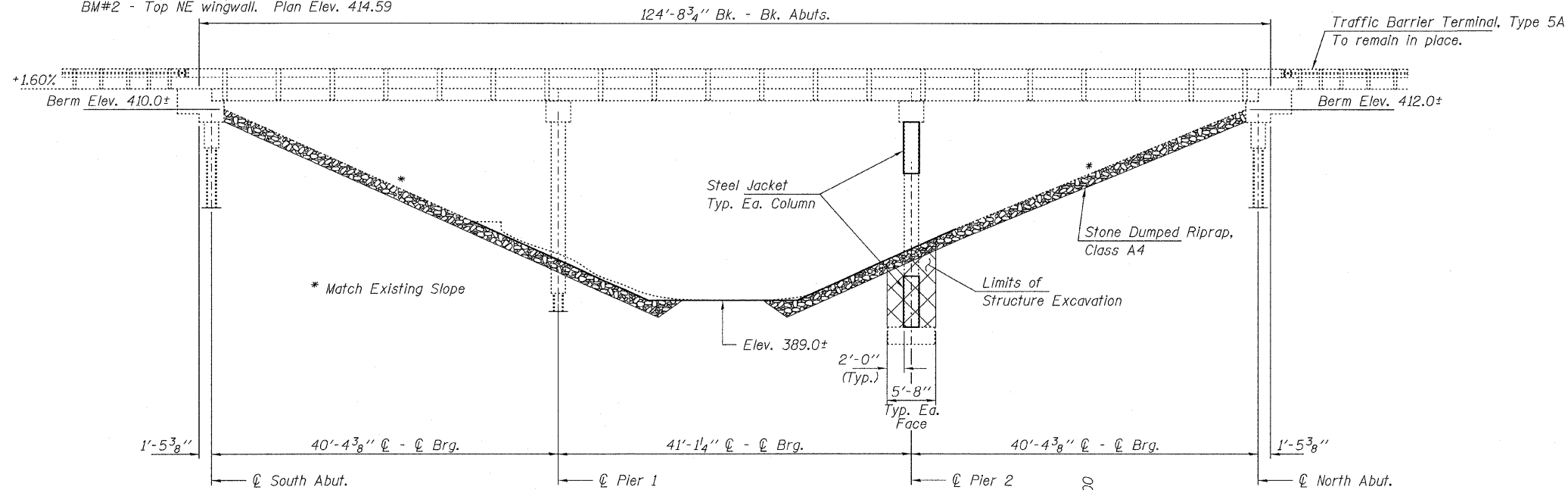


BENCHMARKS: BM#1 - Top SE wingwall, Plan Elev. 412.64  
 BM#2 - Top NE wingwall, Plan Elev. 414.59



**ELEVATION**

**GENERAL NOTES**

Field welding is permitted only in locations specified in the contract documents. 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 steel surfaces shall be gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

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 other than the Underwater Structure Excavation Protection. 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.

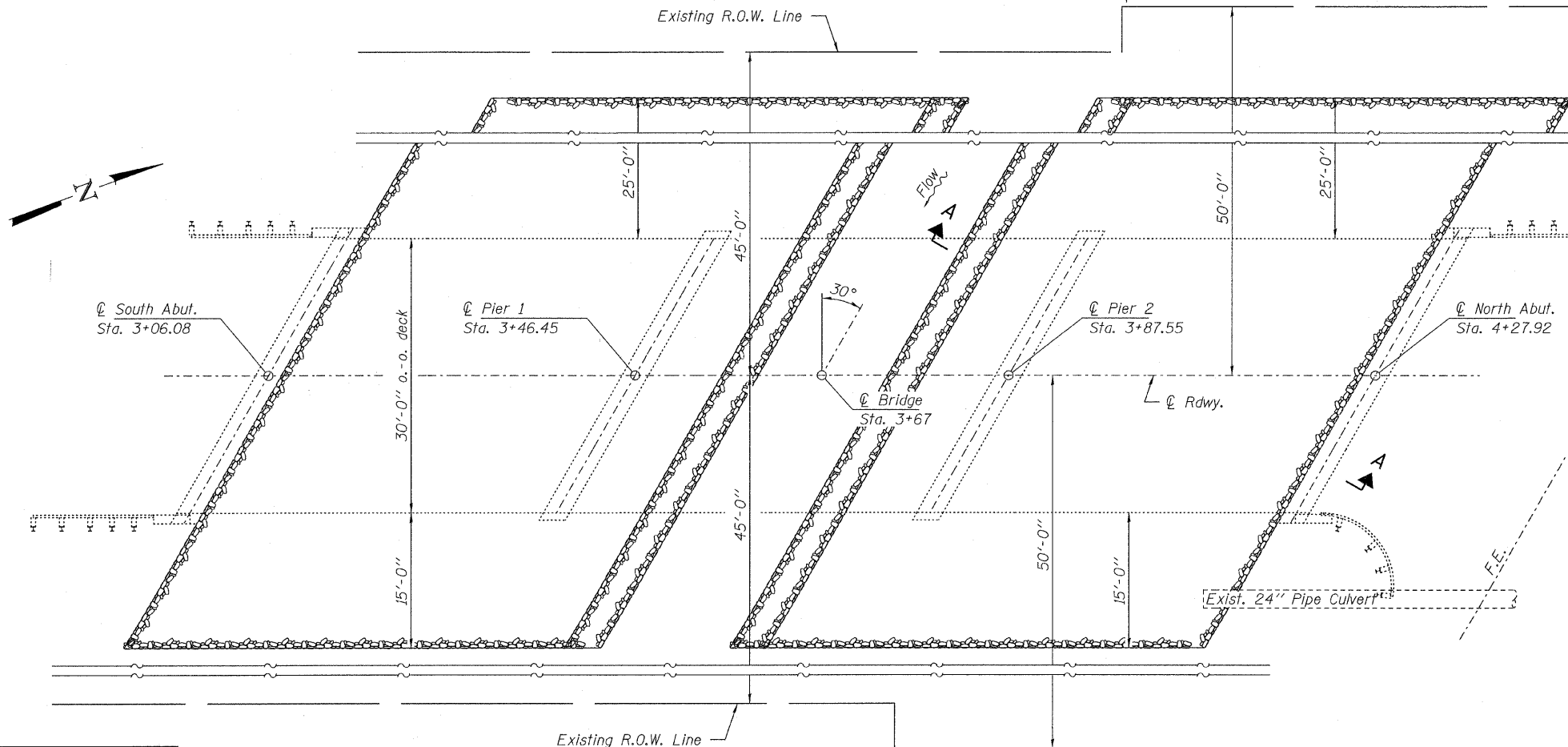
Non-shrink grout shall be in accordance with Section 1024 of the Standard Specifications. The cost of the grout shall be included with the unit price of Structural Steel.

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.

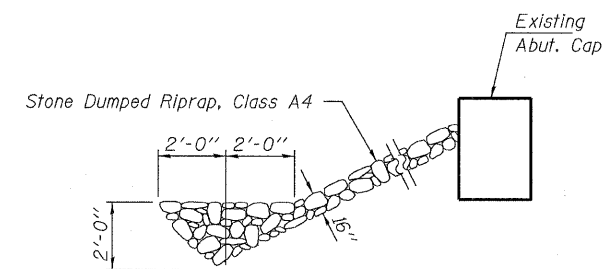
Calculated weight of Structural Steel = 5,310 Pounds

Excavation tree removal and final shaping required for installation of riprap shall be included in the cost of Stone Dumped Riprap.

Removal of existing Terminal Sections and Steel Plate Beam Guardrail and grading required to access the site shall be included in the contract cost and no additional compensation will be allowed.



**PLAN**



**SECTION A-A**

Note: See Special Provisions for Stone Dumped Riprap, Class A4.

DESIGNED - S.M.S.
CHECKED - M.D.C.
DRAWN - D.T.M.
CHECKED - S.W.M.

**DESIGN STRESSES**

FIELD UNITS

$f_y = 36,000$  psi (AASHTO M270 Grade 36)

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications.  
 1995 FHWA Seismic Retrofitting Manual for Highway Bridges.

**HAMPTON, LENZINI AND RENWICK, INC.**  
 CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS  
 3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 217.546.3400 www.hlrenwicking.com

ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION  
 PROJECT NUMBER: 07.0315.130 DATE: 10/28/09

SHEET NO. 1  2 SHEETS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1919	06-00057-02-BR	JACKSON	6	5
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT BRS-1919(07)	
CONTRACT NO. 99414					

**GENERAL PLAN & ELEVATION  
 STRUCTURE NO. 039-3124**

*Steven W. Megginson* 2/10/2010  
 ILLINOIS STRUCTURAL ENGINEER NO. 081-6064

