

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Fasteners shall be high strength bolts. Bolts 7/8"φ, open holes 5/16"φ, unless otherwise noted.

The Contractor shall provide support and/or shoring systems for the slab and beam in the area of existing beam removal. See Special Provisions "Temporary Shoring and Cribbing".

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.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and "Cleaning and Painting New Metal Structures". The color of the final finish coat shall be Interstate Green, Munsell No. 7.5G 4/8. Cost included with Furnishing and Erecting Structural Steel.

Diaphragm connection holes shall be 5/16"φ for 3/4"φ bolts. Two hardened washers shall be required at diaphragm connections.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

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

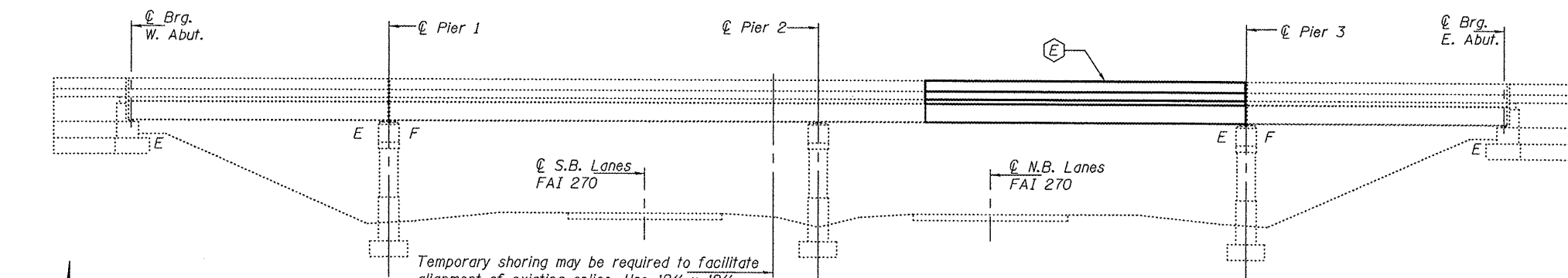
The Contractor is responsible for the method of supporting the portion of existing girder to be removed prior to removal operations.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

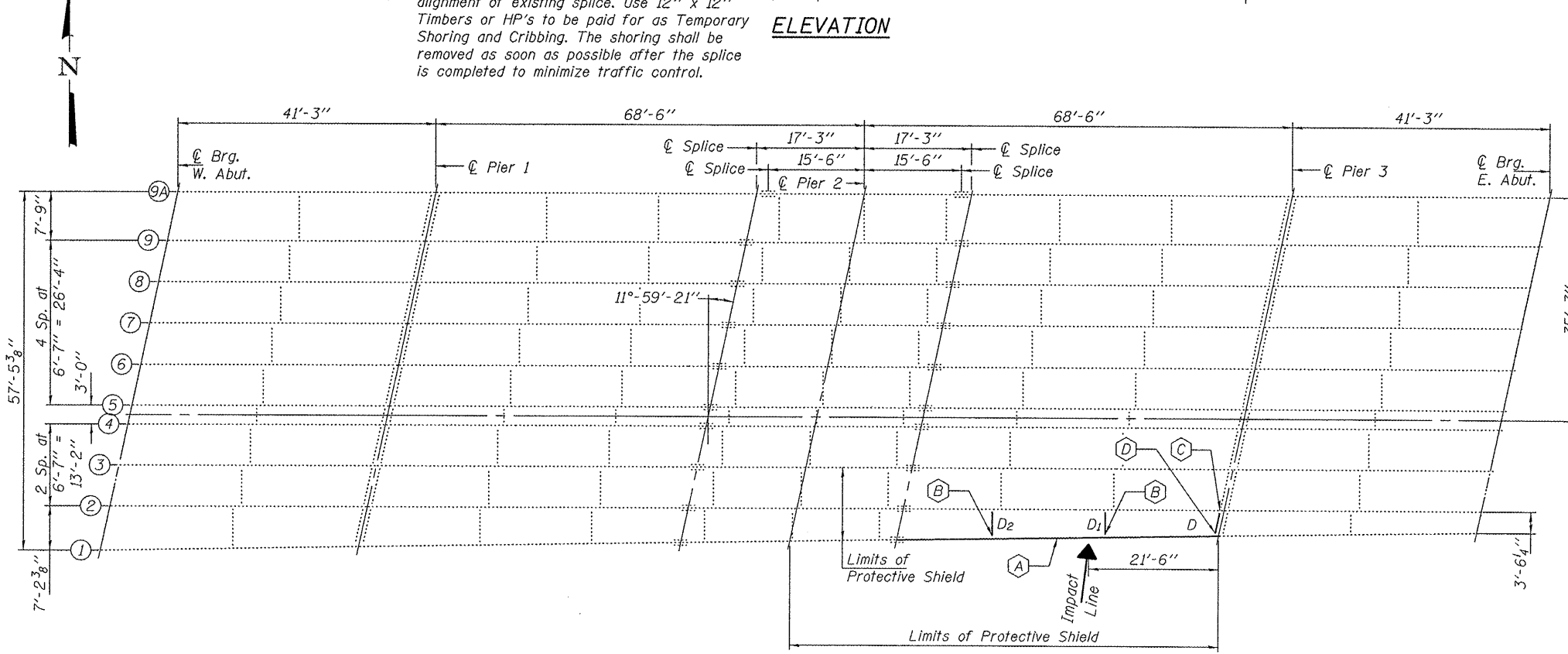
Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.



ELEVATION



FRAMING PLAN

- (A) Remove and replace Beam Segment
- (B) Replace Diaphragm and top and bottom clip L's
- (C) Jack and Reposition Bearing
- (D) Replace Diaphragm and bottom clip L
- (E) Replace Sign Structure

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	10,190
Structural Steel Removal	Pound	11,690
Temporary Shoring and Cribbing	L.S.	1
Concrete Removal	Cu. Yd.	17.4
Concrete Superstructure	Cu. Yd.	17.4
Reinforcement Bars, Epoxy Coated	Pound	4690
Stud Shear Connectors	Each	234
Bridge Deck Grooving	Sq. Yd.	35.1
Protective Coat	Sq. Yd.	65.4
Protective Shield	Sq. Yd.	100.9
Overhead Sign Structure - Bridge Mounted	Foot	18
Mechanical Splicers	Each	246
Jack and Reposition Bearings	Each	1



EXPIRES 11-30-2012

DESIGNED <i>Alan Holloway</i>	EXAMINED <i>John F. [Signature]</i>	DATE JULY 27, 2011
CHECKED <i>Alan Holloway</i>	PASSED <i>[Signature]</i>	
DRAWN <i>balva</i>		
CHECKED <i>ADY</i>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND ELEVATION
OVER FAI 270
SN 060-0046
SHEET 1 OF 9 SHEETS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-3HB-1-HDF-1	MADISON	15	7
CONTRACT NO. 76F08			ILLINOIS FED. AID PROJECT	