

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
		Kankakee	10	9
SHEET NO. 1 2 SHEETS				

Contract Number: 66700

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, 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" and "Temporary Slab Support System."

After the new beam is in its final position and/or beam straightening operations have been completed, the Engineer in the field shall check to see that the top flange is tight against the slab. If not, the Contractor shall inject epoxy between the existing concrete deck and the top flange of the beam. See Special Provision "Epoxy Injection."

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.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

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

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".

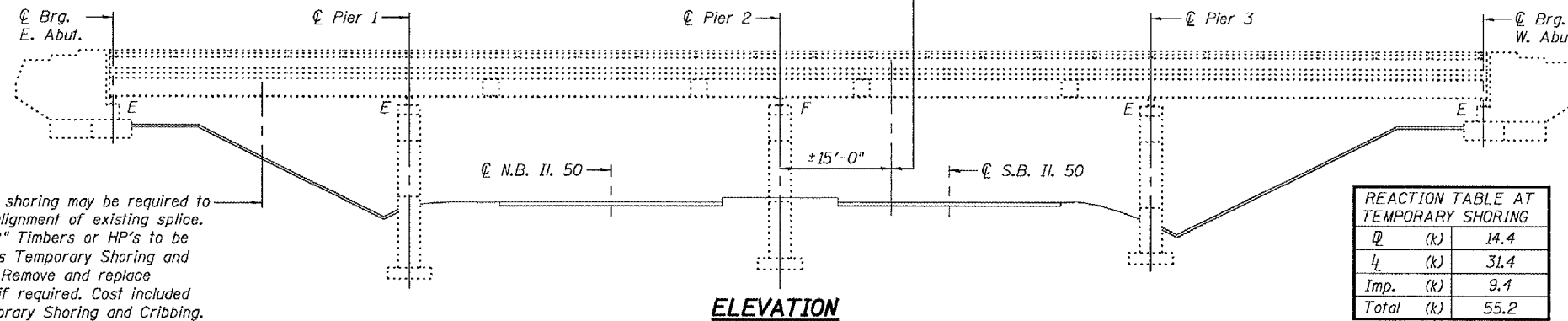
The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.

Existing reinforcement 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 shall be included with Concrete Removal.

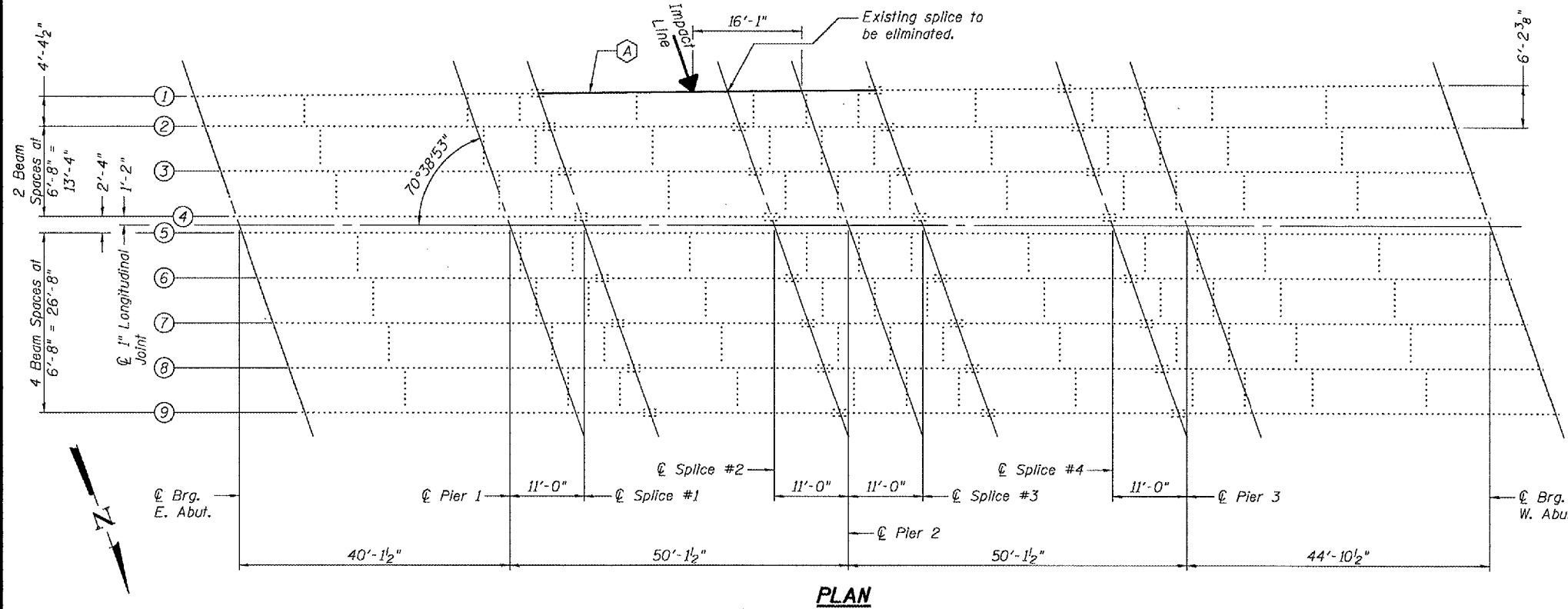
Remove existing lateral support \bar{r} 's if they are not securely anchored to concrete after new beam is in place.

Northbound lanes on IL 50 shall remain open at all times except during the actual removal and installation of the beam. Traffic control shall be coordinated with the District.

Temporary shoring is required for beam #1. The shoring shall be removed as soon as possible after the splice is completed to minimize Traffic Control. See table for reactions.



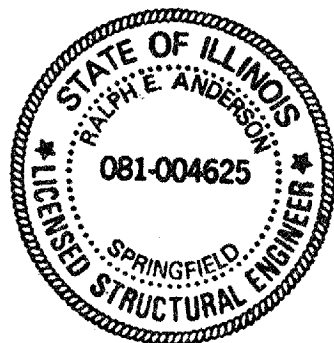
\bar{D} (k)	14.4
\bar{L} (k)	31.4
Imp. (k)	9.4
Total (k)	55.2



(A) Replace beam section.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	1.4
Concrete Superstructure	Cu. Yd.	1.4
Furnishing and Erecting Structural Steel	Pound	5,990
Temporary Slab Support System	L.S.	1
Temporary Shoring and Cribbing	L.S.	1
Structural Steel Removal	Pound	6,350



DESIGNED *[Signature]*
 CHECKED *[Signature]*
 DRAWN Drew Christopher
 CHECKED AJB SJB

MARCH 5, 2007
 EXAMINED *[Signature]*
 PASSED *[Signature]*
 ENGINEER OF BRIDGES AND STRUCTURES

PLAN AND ELEVATION
F.A.I. RT. 57 OVER IL 50
KANKAKEE COUNTY
SN 046-0014 (S.B.)

Expires: November 30, 2008