

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 1
F.A. 61	531-4HB	COOK	10	5	3 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract No. 62865

GENERAL NOTES

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

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

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

The cost of removal and/or 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 in the cost of Furnishing & Erecting Structural Steel.

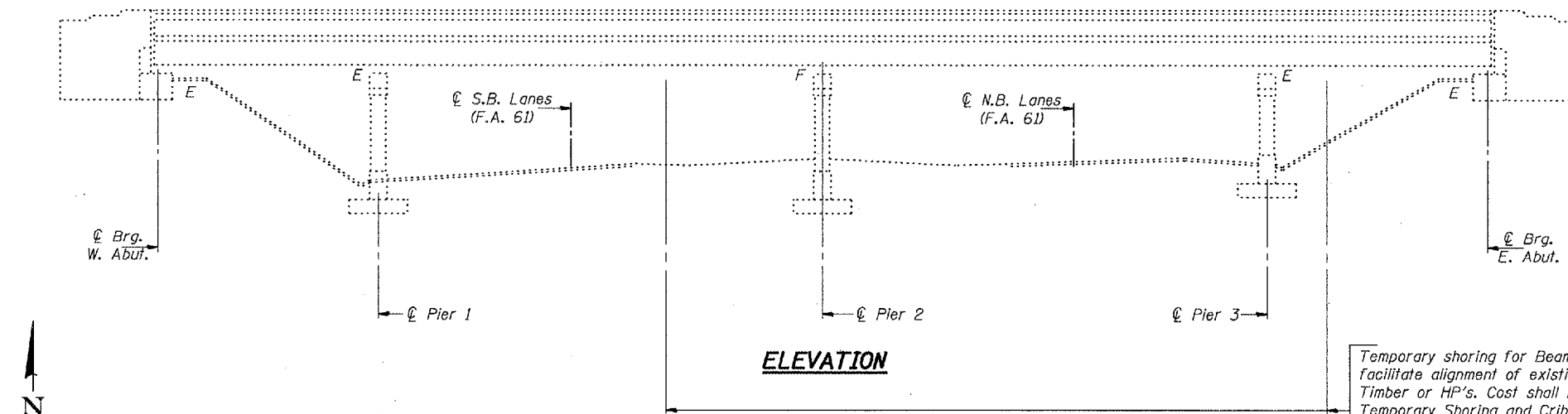
Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included in the cost of "Concrete Removal".

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

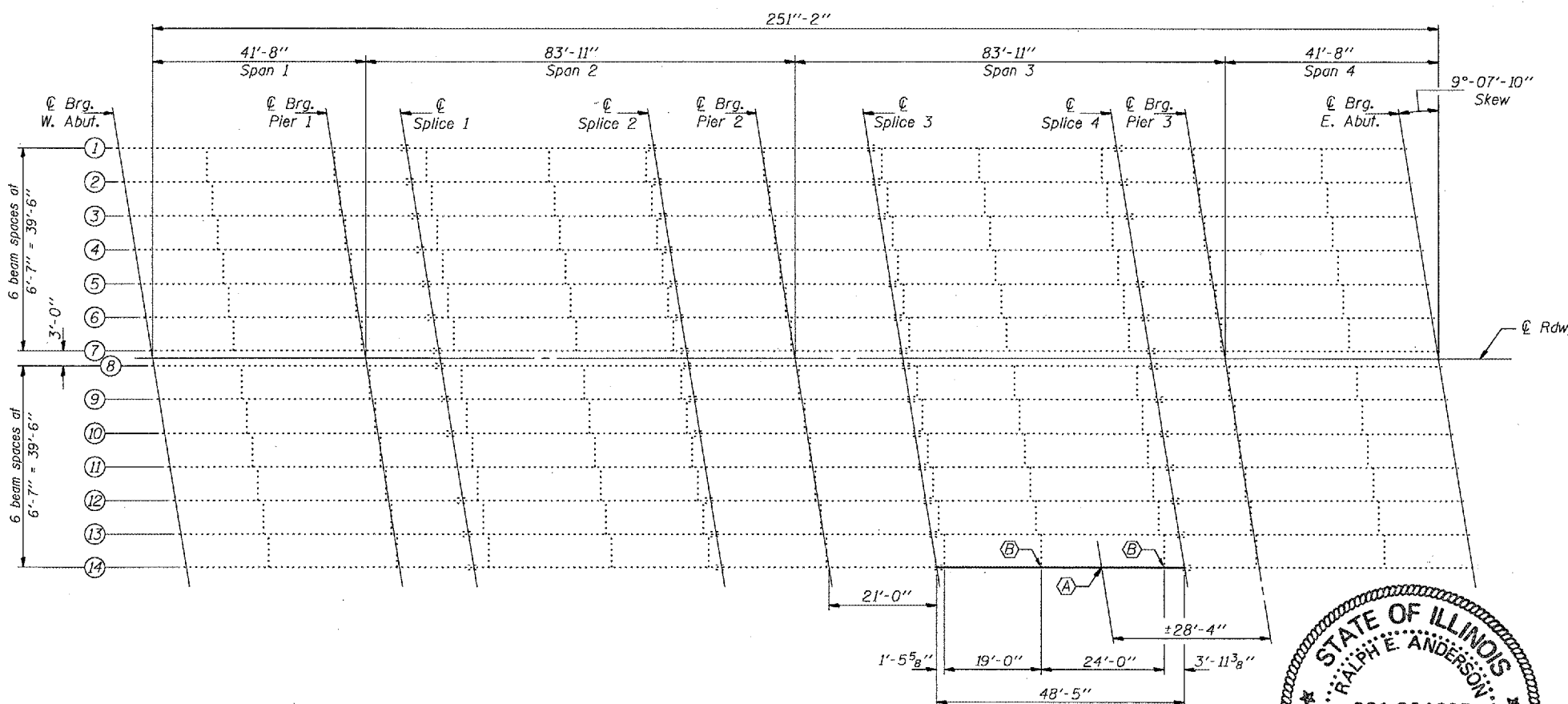
Prior to pouring the new concrete deck, all loose rust, loose mill scale and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04 of the Standard Specifications.

The deck surface shall have its final finish tined according to Article 420.11(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Temporary shoring for Beam 14 may be required to facilitate alignment of existing splices. Use 12" x 12" Timber or HP's. Cost shall be included in the cost of Temporary Shoring and Cribbing. The shoring shall be removed as soon as possible after the splice has been completed to minimize traffic control in the South Bound Lanes.

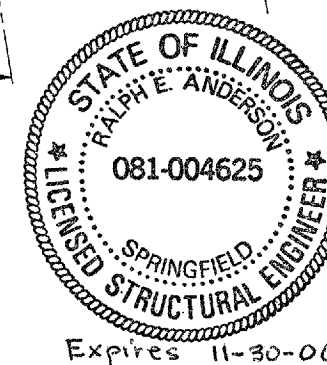


ELEVATION



FRAMING PLAN

- (A) Existing Beam to be replaced.
- (B) Remove and replace bottom clip angle



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	16.1
Concrete Superstructure	Cu. Yd.	16.1
Reinforcement Bars (Epoxy Coated)	Pound	3480
Structural Steel Removal	Pound	8000
Furnishing & Erecting Structural Steel	Pound	8000
Stud Shear Connectors	Ea.	129
Temporary Shoring & Cribbing	L.S.	1
Removing & Re-Erecting Existing Railing	Foot	65
Protective Shield	Sq. Yd.	90

DESIGNED	Victor H. Veliz
CHECKED	[Signature]
DRAWN	baliva
CHECKED	VHV MJT

APRIL 11, 2005
EXAMINED [Signature]
ENGINEER OF STRUCTURAL SERVICES
PASSED [Signature]
ENGINEER OF BRIDGES AND STRUCTURES

BRIDGE REPAIRS
IL. RT. 68 (DUNDEE RD.) OVER
F.A. RTE. 61 (IL. RT. 53) SEC. 531-4HB
COOK COUNTY
S.N. 016-0961