

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
		LAKE	11	5
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 1
6 SHEETS

Contract No. 62874

GENERAL NOTES

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

After the 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".

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 for the work.

Cost of removal and/or reinstallation 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 and Erecting Structural Steel".

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 for interior surfaces and the bottom of the bottom flange shall be Gray, Munsell No. 5B 7/1. The color of the finish coat for the exterior of the beam shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision "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".

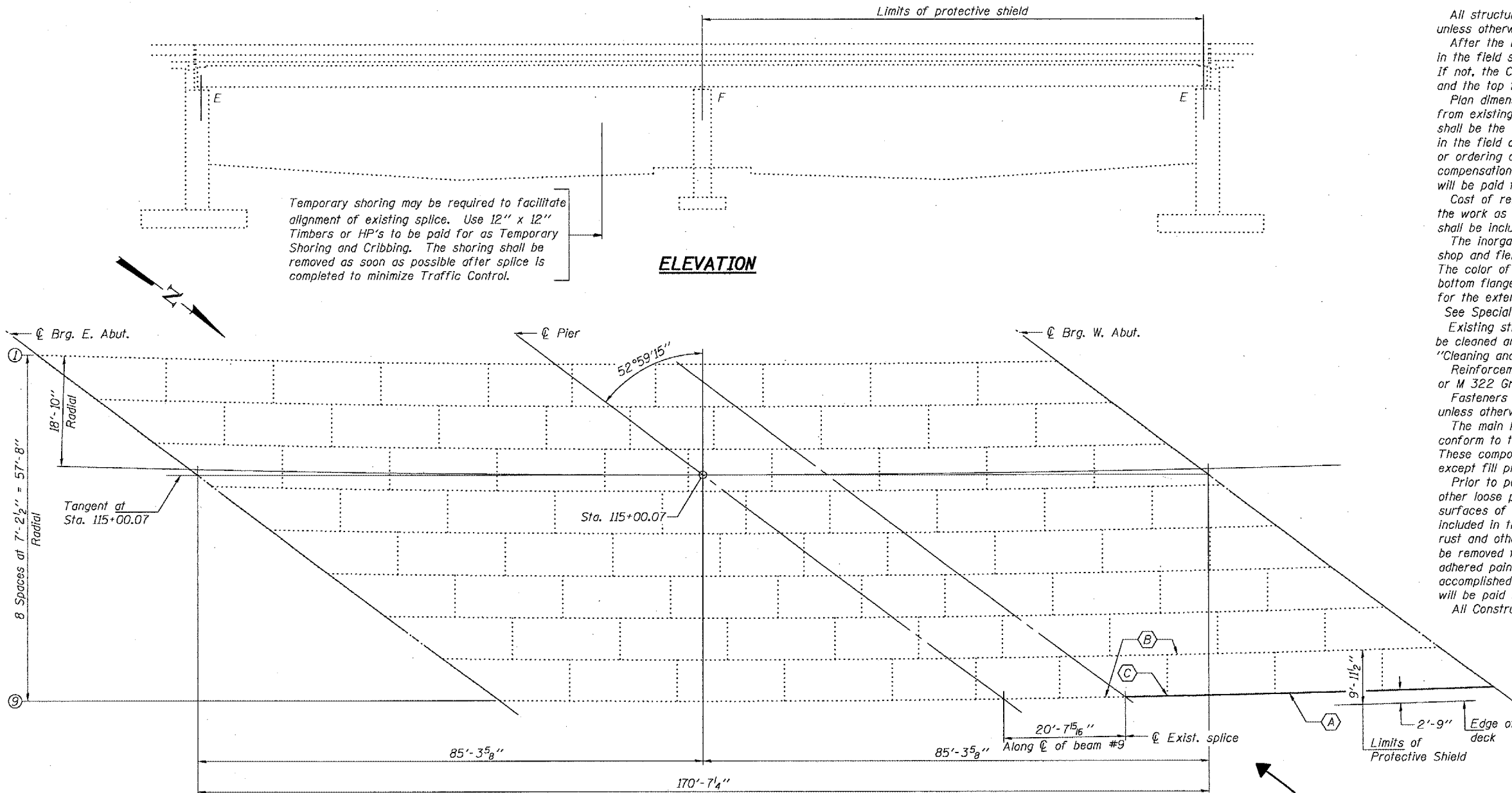
Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

Fasteners shall be high strength bolts. Bolts $T_b \phi$, field drill holes $1\frac{1}{16} \phi$, unless otherwise noted.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Match Toughness Zone 2. These components are the tension flanges, webs and all splice plate material except fill plates.

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 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 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.

All Construction joints shall be bonded.



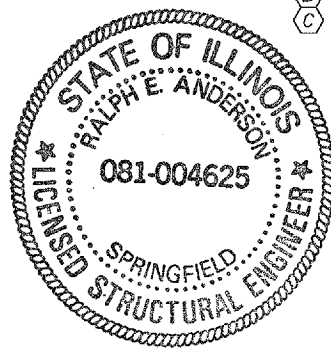
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Superstructure	Cu. Yd.	18.0
Concrete Removal	Cu. Yd.	18.0
Furnishing and Erecting Structural Steel	Pound	10310
Structural Steel Removal	Pound	10310
Beam Straightening	L.S.	1
Stud Shear Connectors	Each	168
Temporary Shoring and Cribbing	L.S.	1
Reinforcement Bars, Epoxy Coated	Pound	4250
Protective Shield	Sq. Yd.	94
Bridge Deck Grooving	Sq. Yd.	26.5
Protective Coat	Sq. Yd.	61.1

PLAN AND ELEVATION
IL RTE 137 OVER US RTE 45
LAKE COUNTY
SN 049-0170

DESIGNED *Henry S. Burke*
 CHECKED *Paul J. Johnson*
 DRAWN *baliva*
 CHECKED *LSB/ P.S.J.*

MARCH 15, 2005
 EXAMINED *John A. Morris*
 ENGINEER OF STRUCTURAL SERVICES
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-2006