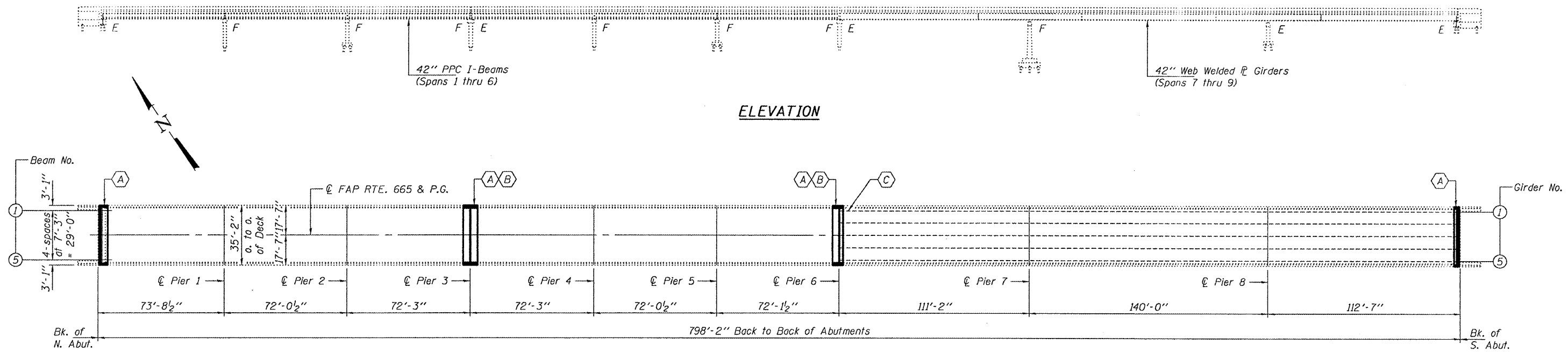


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

PLAN

- (A) - Replace Existing Exp. Jts. with Preformed Joint Strip Seals
- (B) - Replace Existing Elastomeric Bearings
- (C) - Structural Steel Repair at Span 7, Girder #1

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ , open holes $\frac{13}{16}$ " ϕ , unless otherwise noted.
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".
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair.
The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.
If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
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.
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.
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.
Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

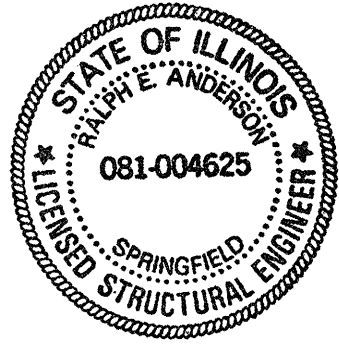
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	42.6
Concrete Superstructure	Cu. Yd.	43.0
Elastomeric Bearing Assembly, Type I	Each	10
Anchor Bolts, 1" ϕ	Each	20
Reinforcement Bars, Epoxy Coated	Pound	6640
Mechanical Splicers	Each	20
Bar Splicers	Each	54
Structural Steel Repair	Pound	150
Jack and Remove Existing Bearings	Each	10
Preformed Joint Strip Seal	Foot	148.7
* Structural Repair of Concrete (Depth \leq 5 inches)	Sq. Ft.	174
* Temporary Shoring And Cribbing	Each	3
** Deck Slab Repair (Partial Depth)	Sq. Yd.	7.0
*** Blast Cleaning PPC Beam Ends	Foot	60
*** Thermal Spraying (Metalizing) PPC Beam Ends	Sq. Ft.	465

PLAN & ELEVATION
IL ROUTE 116 OVER SPOON RIVER
SN 029-0050

DESIGNED *[Signature]*
CHECKED *[Signature]*
DRAWN Kyle M. Steffen
CHECKED *[Signature]* ISL

JANUARY 12, 2010
EXAMINED *[Signature]*
PASSED *[Signature]*
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES



Expires: November 30, 2010

- * See sheets 17-20 of 25.
- ** See sheet 21 of 25.
- *** See sheet 22 of 25.

SHEET NO. 1 8 SHEETS	F.A.P. RTE. 665	SECTION (142-BR)I	COUNTY FULTON	TOTAL SHEETS 25	SHEET NO. 9
	CONTRACT NO. 68925				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		