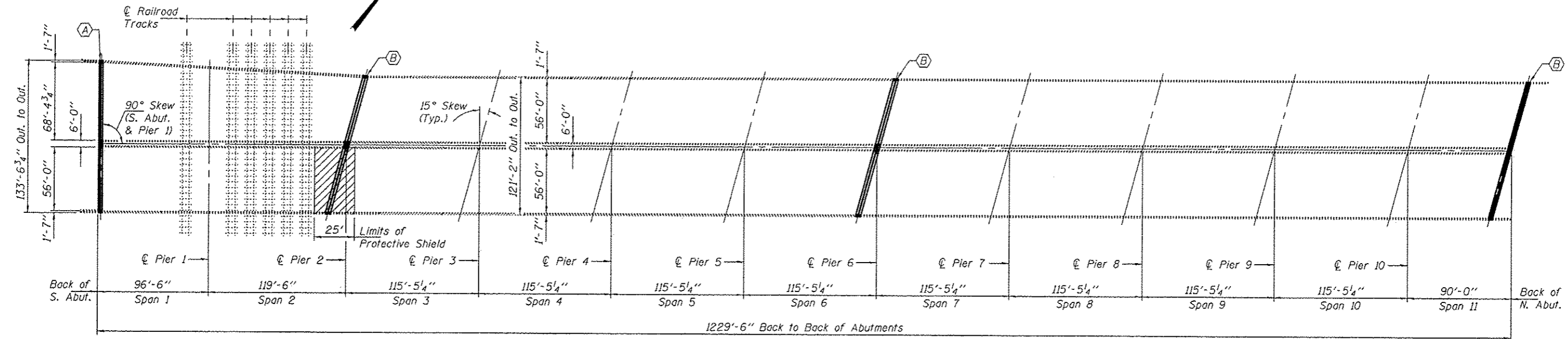


ELEVATION



PLAN

- (A) - Remove existing Neoprene Exp. Jt. and install Preformed Joint Strip Seal
- (B) - Remove existing Neoprene Exp. Jt. and install Finger Plate Expansion Joint

GENERAL NOTES

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

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.

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.

Finger Plate Expansion Joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

Tapered shims shall be added under the stools, as required by the Engineer, to make a smooth finger joint. Cost shall be included with Finger Plate Expansion Joint.

The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

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".

Joint plates and attached bars shall be shop painted with the inorganic zinc rich primer. No field paint required.

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.

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.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

The Contractor shall take extreme care not to damage the existing precast concrete planks during concrete removal operations to perform Deck Slab Repair (Partial Depth). Any planks damaged during the Deck Slab Repair operations shall be replaced in its entirety at the Contractor's expense with full depth section.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	95.1
Concrete Superstructures	Cu. Yd.	90.1
Reinforcement Bars, Epoxy Coated	Pound	8450
Bar Splicers	Each	92
Mechanical Splicers	Each	564
Preformed Joint Strip Seal	Foot	128
Finger Plate Expansion Joint, 4"	Foot	116
Finger Plate Expansion Joint, 4 1/2"	Foot	116
Finger Plate Expansion Joint, 6"	Foot	116
Fabric Reinforced Elastomeric Trough	Foot	366
Furnishing & Erecting Structural Steel	Pound	6730
Waterproofing Membrane System	Sq. Yd.	15,643
Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N90	Tons	1308
Deck Slab Repair (Partial Depth)	Sq. Yd.	300
Protective Shield	Sq. Yd.	161



DESIGNED: <i>Adrian T. Holloway</i>	EXAMINED: <i>Timothy A. ...</i>	DATE: JANUARY 22, 2014
CHECKED: <i>Victor H. Veit</i>	PASSED: <i>...</i>	REVISED: _____
DRAWN: <i>Steffen</i>	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED: _____
CHECKED: <i>ATH</i>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
FAI 255 OVER ICG RAILROAD
SN 082-0227

SHEET NO. 1 OF 17 SHEETS

F.A.I. RTE. 255	SECTION 82-4HV-1	COUNTY ST. CLAIR	TOTAL SHEETS 46	SHEET NO. 23
CONTRACT NO. 76051			ILLINOIS FED. AID PROJECT	