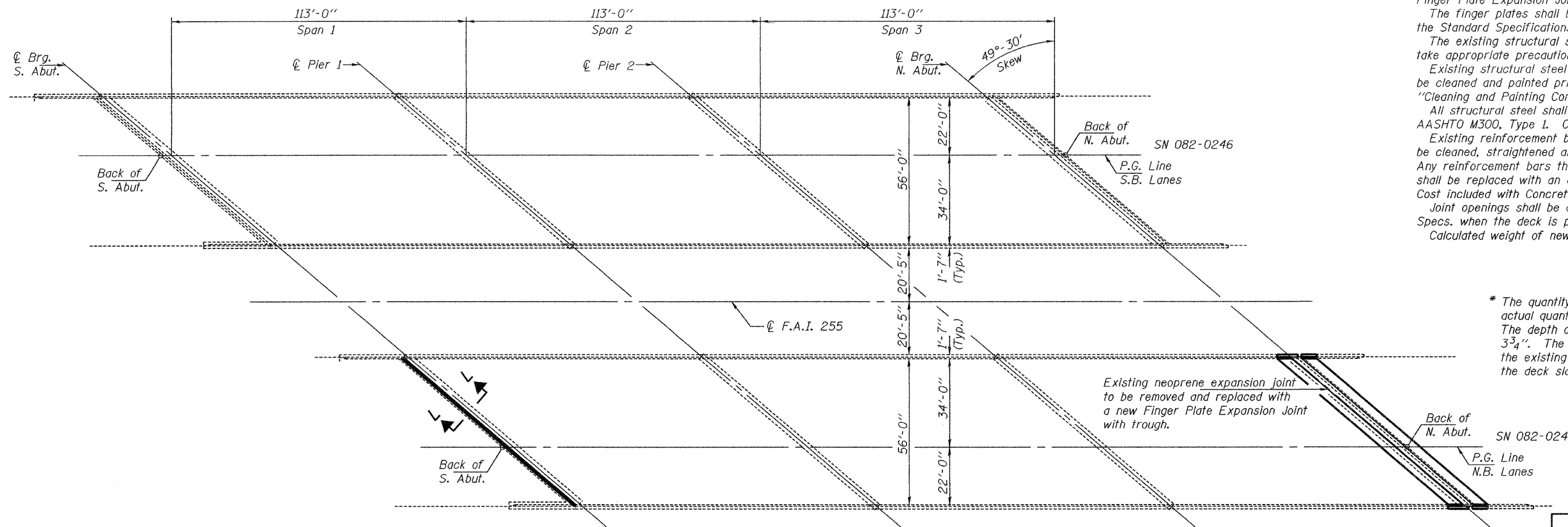
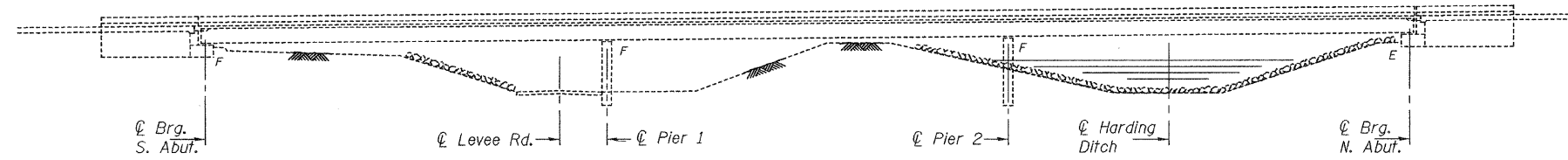


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

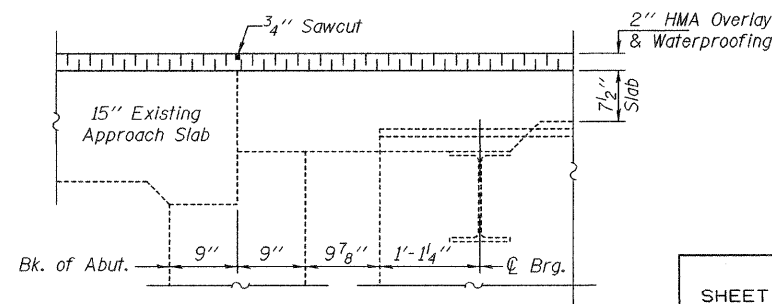
GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 50, unless otherwise noted.
Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ , open holes $\frac{13}{16}$ " ϕ , unless otherwise noted.
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.
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".
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Finger Plate Expansion Joint, 3".
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.
Calculated weight of new structural steel = 29,490 pounds

* The quantity of Deck Slab Repair (Partial) is estimated. The actual quantity and location is to be determined by the Engineer. The depth of any partial depth patch shall not be deeper than 3 $\frac{3}{4}$ ". The Contractor should be extremely careful not to damage the existing precast prestressed concrete planks while completing the deck slab repairs.



PLAN



SECTION L-L

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	41.0
Concrete Superstructure	Cu. Yd.	45.1
Reinforcement Bars, Epoxy Coated	Pound	6650
Mechanical Splice	Each	230
Bar Splicers	Each	27
Finger Plate Expansion Joint, 3"	Foot	86
Fabric Reinforced Elastomeric Trough	Foot	93
* Deck Slab Repair (Partial)	Sq. Yd.	300
Waterproofing Membrane System	Sq. Yd.	2056
Polymerized Hot-Mix Asphalt Surface, Course Mix "E", NI05	Ton	173.5

**PLAN & ELEVATION
SN 082-0245 (N.B.)**

DESIGNED	<i>[Signature]</i>
CHECKED	Victor H. Veliz
DRAWN	Kyle M. Steffen
CHECKED	VHV ASB

MAY 28, 2009
EXAMINED *[Signature]*
PASSED *[Signature]*
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES



Expires: November 30, 2010

SHEET NO. 1 10 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	255	82-1B-3-I	ST. CLAIR	21	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C67					