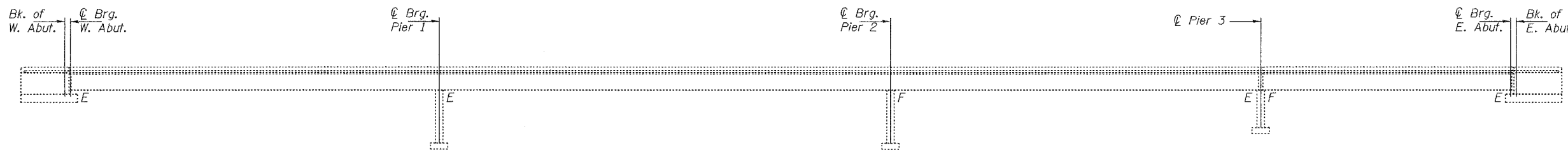


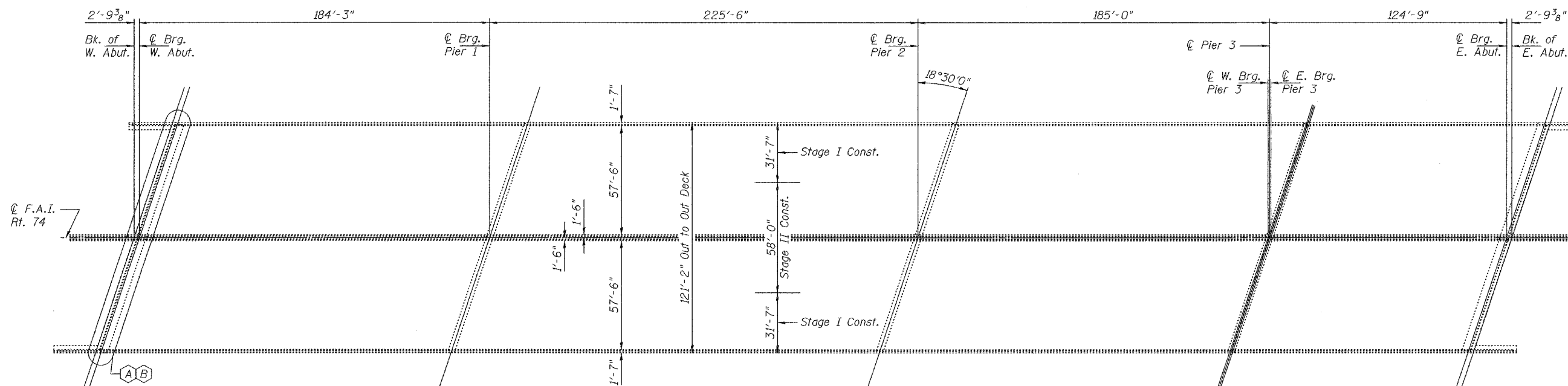
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Champaign	72	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract No. 70141



ELEVATION



PLAN

- (A) Remove and Replace Finger Plate
- (B) Remove and Replace Abutment Backwall

GENERAL NOTES

All finger plates and stools shall conform to AASHTO M270 Gr. 50.
All other structural steel shall conform to AASHTO Classification M270 Gr. 36.

Calculated weight of new structural steel Grade 36 = 4770 lbs.
Grade 50 = 45,930 lbs.

Fasteners shall be high strength bolts. Bolts 3/4" φ, open holes 13/16" φ, unless noted otherwise.

Reinforcement bars shall conform to the requirements of AASHTO M-31 or M322 Grade 60.

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.

Finger Plate Expansion Joints shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

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

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

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 surface of the 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 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.

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 and Erecting Structural Steel.

The existing structural steel coating contains lead. The contractor should take appropriate precautions to deal with the presence of lead on the 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".

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Removal	Pound	43,270
Furnishing and Erecting Structural Steel	L.S.	1
Concrete Removal	Cu. Yd.	371.3
Concrete Superstructure	Cu. Yd.	22.7
Reinforcement Bars, Epoxy Coated	Pound	13,560
Bar Splicers	Each	218
Fabric Reinforced Elastomeric Trough	Foot	131
Concrete Structures	Cu. Yd.	69.8
Temporary Sheet Piling	Sq. Ft.	430
Structure Excavation	Cu. Yd.	420
Porous Granular Embankment	Cu. Yd.	420
Mechanical Splicers	Each	248

PLAN AND ELEVATION
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021



EXPIRES 11-30-2006

DESIGNED	<i>John A. Morris</i>
CHECKED	<i>John A. Morris</i>
DRAWN	<i>John A. Morris</i>
CHECKED	<i>John A. Morris</i>

EXAMINED	<i>John A. Morris</i>
PASSED	<i>John A. Morris</i>