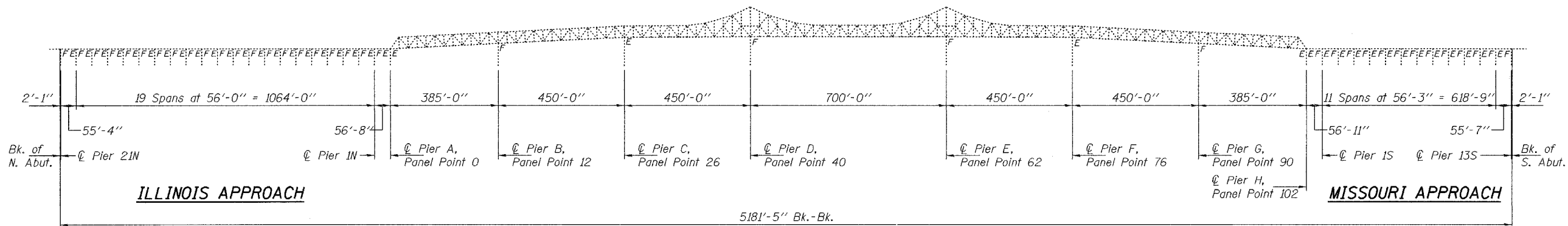
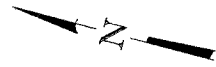


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAS 944	*	ALEXANDER		4	13 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			
			* (138D-BR)1-5 Contract No. 98640		



GENERAL ELEVATION



GENERAL PLAN

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 35, unless otherwise noted.

Fasteners shall be high strength bolts. Bolts $7/8"$ ϕ , open holes $15/16"$ ϕ , unless otherwise noted.

The Contractor shall grind all cracked welds parallel to the direction of the existing weld and not perpendicular to the weld.

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

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 or 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 beams or 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.

Existing reinforcement 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 shall be included with Concrete Removal.

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.

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 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 shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".

The existing structural steel coating contains lead. The Contractor should 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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Neoprene Expansion Joint 6 1/2"	Foot	171
Structural Steel Repair	Pound	7220
Reinforcement Bars, Epoxy Coated	Pound	610
Bridge Deck Grooving	Sq. Yd.	29.0
Concrete Removal	Cu. Yd.	18.7
Concrete Superstructure	Cu. Yd.	15.6
Silicone Joint Sealer	Foot	704
Temporary Shoring and Cribbing	Each	16
Straighten Bent Members	LS	1

DESIGNED	<i>John A. Morris</i>
CHECKED	<i>John A. Morris</i>
DRAWN	<i>ballva</i>
CHECKED	<i>JAP</i> <i>JSB</i>

MARCH 14, 2005	EXAMINED	<i>John A. Morris</i>
	PASSED	<i>Ralph E. Adams</i>



EXPIRES 11-30-2006

BRIDGE REPAIRS
OLD CAIRO BRIDGE OVER MISSISSIPPI RIVER
FAS RTE. 944 (US 60 & 62)
SEC. (138D-BR)1-5
ALEXANDER COUNTY
SN 002-0005