

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.	SHEET NO. 2 SHEET
F.A.I. 55	*	COOK	5	3	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	* 0707-614B-I-1-DL		

**GENERAL NOTES**

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

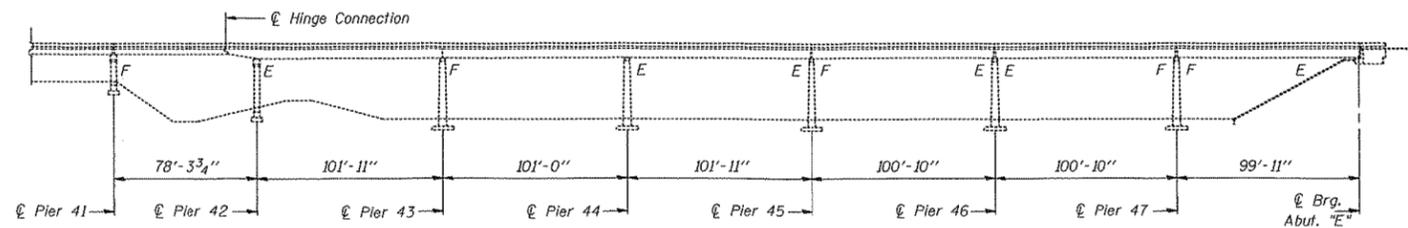
Fasteners shall be high strength bolts. Bolts  $\frac{3}{4}$ "  $\phi$ , open holes  $\frac{1}{8}$ "  $\phi$ , unless otherwise noted.

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.

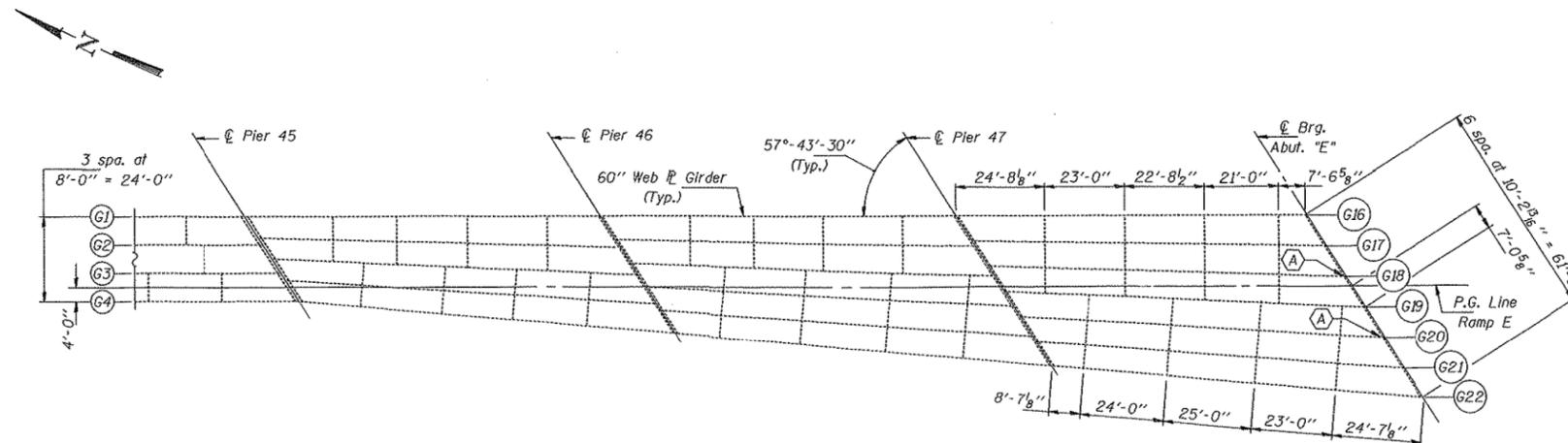
The inorganic zinc rich primer/acrylic/acrylic paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the acrylic finish coat for the exterior face and bottom flange of the fascia girder shall be Interstate Green, Munsell No. 7.5G 4/8. The color of acrylic finish coat for steel interior locations shall be Gray, Munsell No. 5B 7/1. See Special Provision for "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 shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures".

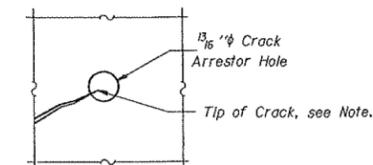


**PARTIAL ELEVATION**



**PARTIAL FRAMING PLAN**

(A) Repair Girder ends with new Stiffener Brackets.



**CRACK ARRESTOR HOLE DETAIL**

Note: Locate crack tip using liquid dye penetrant or magnetic particle testing. Drill  $\frac{1}{8}$ "  $\phi$  Crack Arrestor hole at the crack tip. After crack arrester hole has been drilled, dye penetrant or magnetic particle testing shall be used to verify that the drilled hole has captured the crack tip. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	150

**BRIDGE REPAIRS**

F.A.I. 55 (RAMP E) OVER DES PLAINES RIV  
SEC. 0707-614B  
COOK COUNTY  
STA. 106+26.32  
S.N. 016-1026

DESIGNED	<i>Chris E. Ewing</i>	MAY 27, 1999	EXAMINED	
CHECKED	<i>Glenn Bell</i>		ENGINEER OF STRUCTURAL SERVICES	
DRAWN	<i>Dierbert</i>		PASSED	
CHECKED	<i>CME VHV</i>		ENGINEER OF BRIDGES AND STRUCTURES	

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engineers · scientists · planners  
Alfred Benesch & Company  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450 Job No. 10093

FILE NAME =	USER NAME = tjenicke	DESIGNED - FSM	REVISED -
0161026_60J16_X27_existplan27.dgn		CHECKED - RMM	REVISED -
		DRAWN - FSM	REVISED -
		CHECKED - RMM	REVISED -

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DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (1999) - PARTIAL REPAIR FRAMING PLAN  
STRUCTURE NO. 016-1026

SHEET NO. SFX27 OF SFX30 SHEETS

FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	587
CONTRACT NO. 60J16				
ILLINOIS FED. AID PROJECT				

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