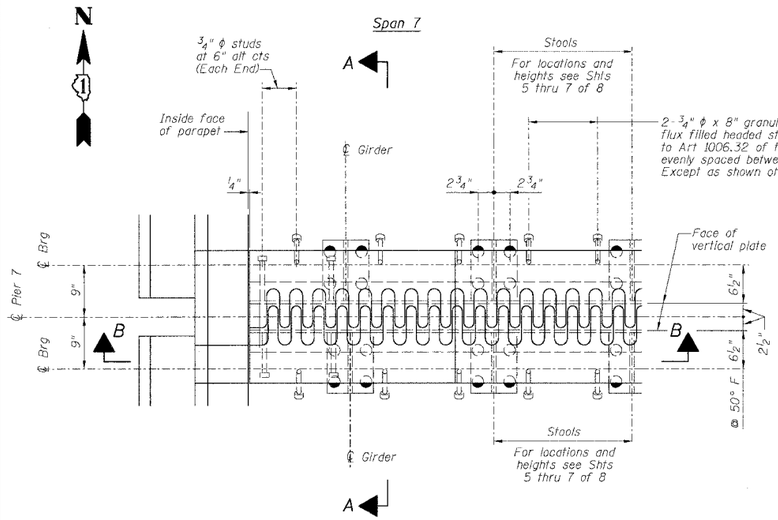
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

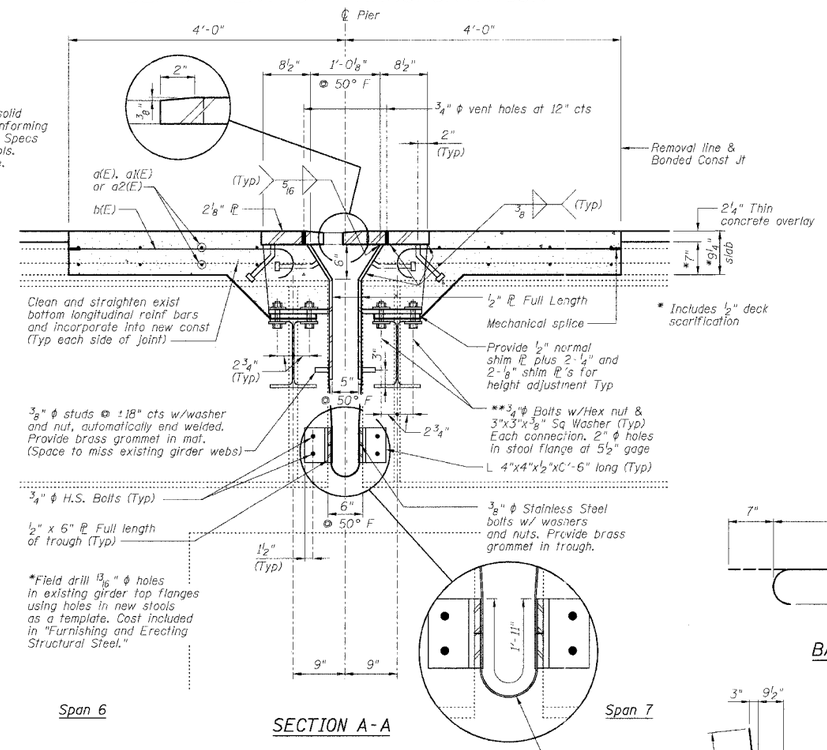
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 90/94	*	COOK	344	231
FED.ROAD DIST.NO.		ILLINOIS	PROJECT	

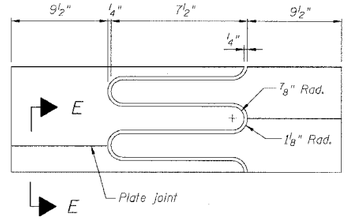
Sheet No 4 of 8 Sheets

* 2003-0291
CONTRACT #62581

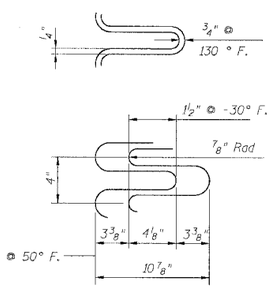


PLAN
(Showing Southbound)

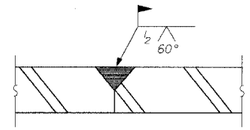




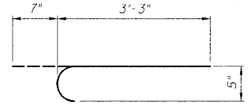
FLAME CUTTING DIAGRAM
(Proposed Finger ℄ - Cut from 2 1/8" x 2'-2 3/4" ℄)



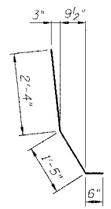
FINGER DETAIL



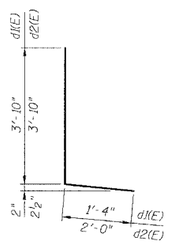
SECTION E-E



BAR b(E)



BAR d(E)

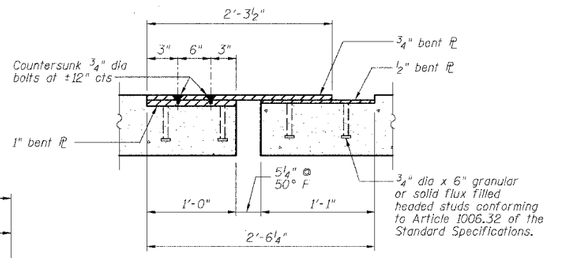


BARS d1(E) & d2(E)

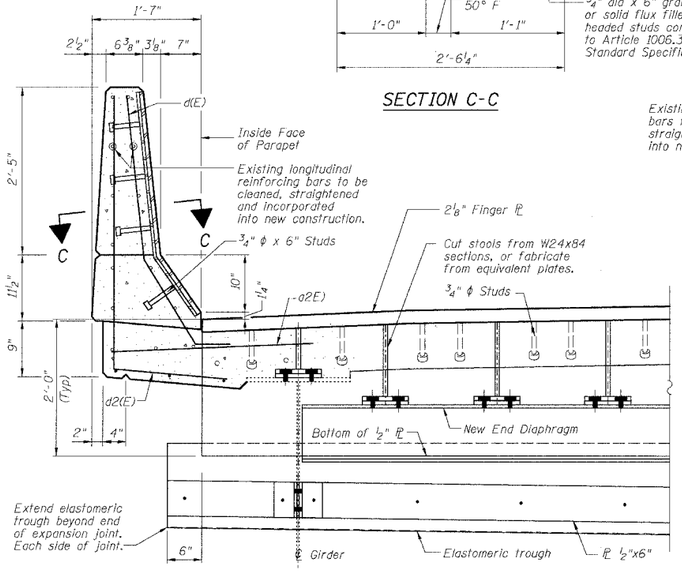
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	24	#5	33'-7"	
a1(E)	24	#5	31'-10"	
a2(E)	16	#6	4'-6"	
b(E)	130	#5	3'-10"	
d(E)	16	#5	4'-3"	
d1(E)	8	#5	5'-2"	
d2(E)	8	#5	5'-10"	
Reinforcement Bars, Epoxy Coated		Pound	2430	
Concrete Removal		Cu Yd	17.1	
Concrete Superstructure		Cu Yd	18.6	
Bar Splicers		Each	24	
Mechanical Splice		Each	130	

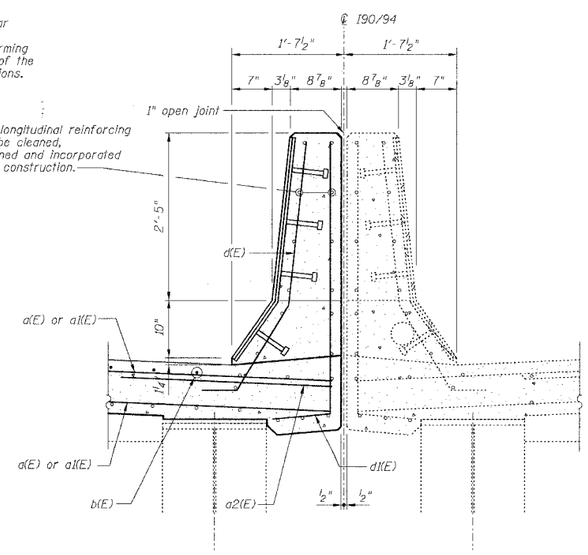
Reinforcing bars designated (E) shall be epoxy coated.



SECTION C-C



SECTION B-B



DETAIL AT MEDIAN PARAPET
(Looking North)

NOTES

1. The Contractor shall bolt the Stools of the Fingerplate Joint Assembly to the top of New End Diaphragms and to the top of the existing girders, as shown in Section A-A of this drawing.
2. Stainless steel bolts, washers and nuts shall meet the requirements of ASTM A193.
3. The furnishing and installation of all necessary hardware, stainless steel bolts, studs and washers, plates and angles shall be included with "Furnishing and Erecting Structural Steel".
4. Expansion Length = 418.6'

PIER NO. 7

FINGER PLATE EXPANSION JOINT DETAILS

REVISIONS		
NO.	DATE	INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FAI RTE 90/94 SB — DAN RYAN EXPRESSWAY
SN 016-1111 (SOUTHBOUND)
SEC 2003-0291 — COOK COUNTY

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312-714-0200
FAX 312-714-0065

DRAWN BY	DATE
RLK	5/03
CHECKED BY	DATE
SDS	5/03
BOOK NUMBER	
PROJECT No.	4222-3
SHEET No.	