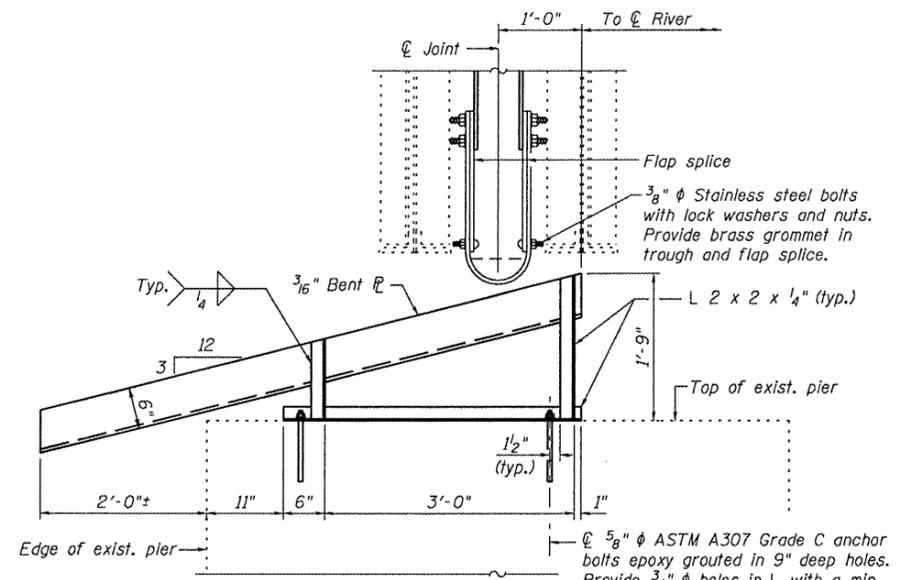
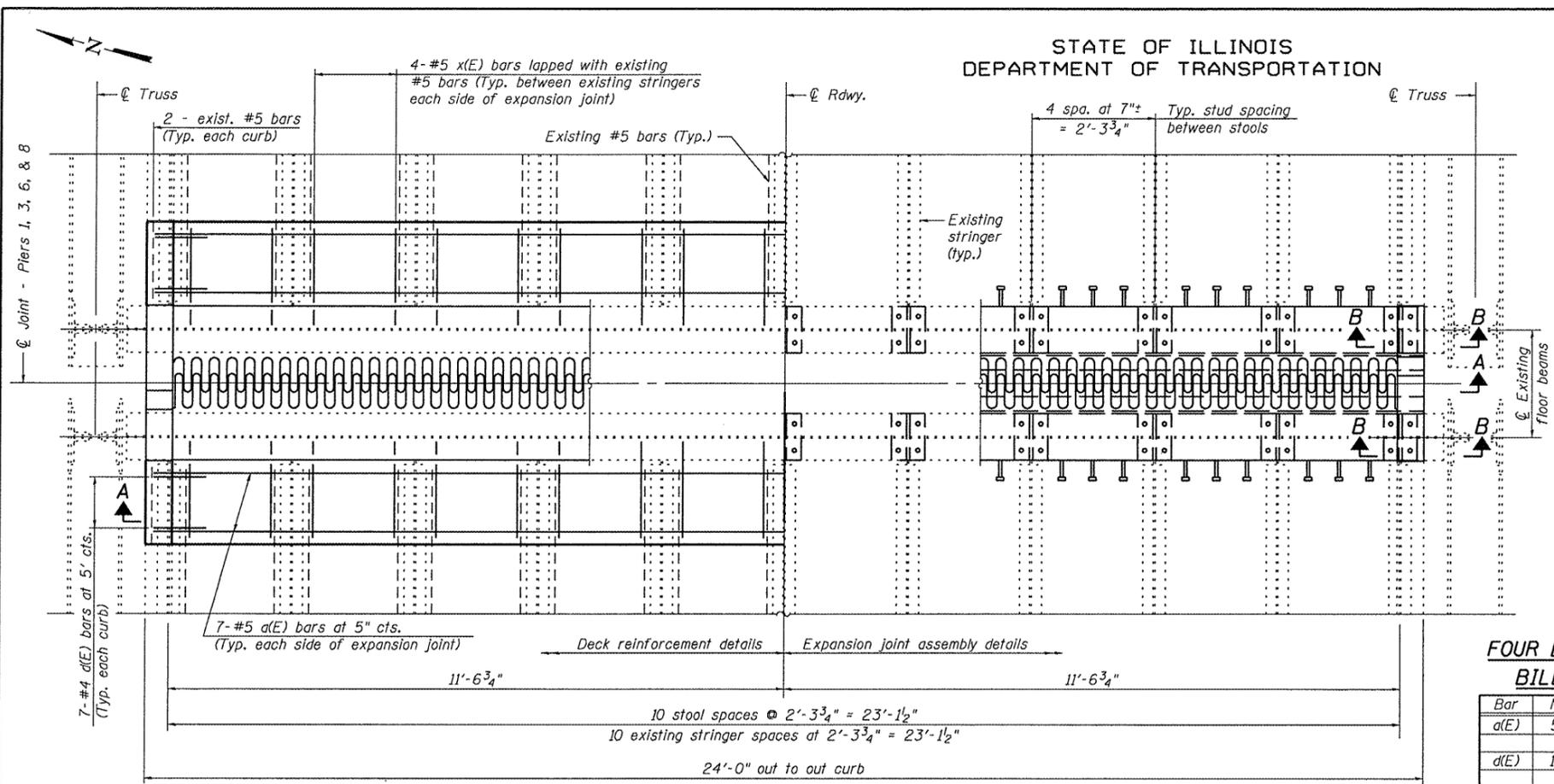


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



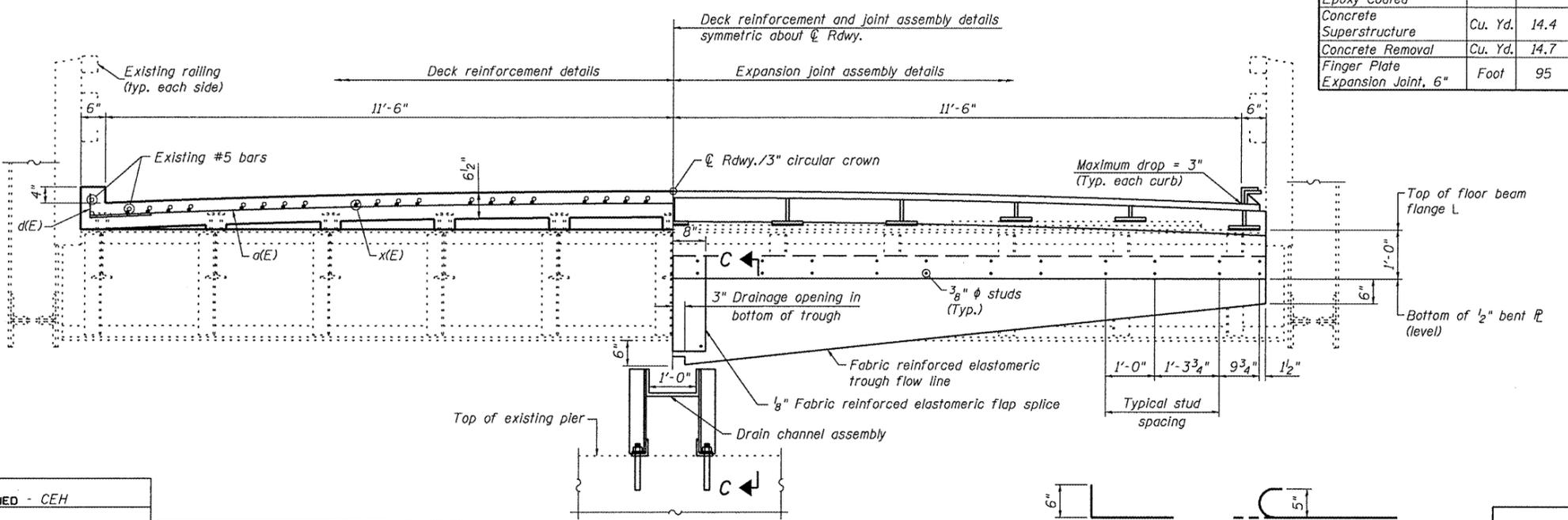
SECTION C-C

FOUR EXPANSION JOINTS
BILL OF MATERIAL

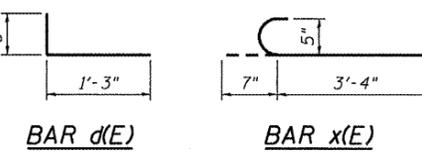
Bar	No.	Size	Length	Shape
d(E)	56	#5	23'-6"	—
d(E)	112	#5	1'-9"	L
x(E)	320	#5	3'-11"	C
Reinforcement Bars, Epoxy Coated		Pound	2890	
Concrete Superstructure		Cu. Yd.	14.4	
Concrete Removal		Cu. Yd.	14.7	
Finger Plate Expansion Joint, 6"		Foot	95	

Notes:
All structural steel for expansion joint assemblies shall conform to the minimum requirements of ASHTO M 270 Grade 50 unless noted otherwise.
Curb L's, curb stiffener R's, drain channel assembly, and stool shim R's shall conform to the minimum requirements of AASHTO M 270 Gr. 36.
The expansion joint and drain channel assembly and all associated hardware shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.
Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the joint assembly is installed at an ambient temperature other than 50° F.
The roadway expansion plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.
Portions of the existing railing may be removed and reinstalled to facilitate installation of expansion joint assembly. Existing fasteners that are removed with the existing railing shall be discarded and replaced in-kind. Removal and reinstallation of the existing railing including furnishing any new hardware is included with the cost of Finger Plate Expansion Joint, 6".
Furnishing and installing the drain channel assembly and all associated hardware is included in the cost of Finger Plate Expansion Joint, 6".
Existing longitudinal reinforcement may be cut as necessary to clear expansion joint assembly. Cost included with Finger Plate Expansion Joint, 6".
See sheet 6 of 25 for Section B-B.
Work this sheet with sheet 5 and 6 of 25.

EXPANSION JOINT REPLACEMENT PLANS



SECTION A-A



EXPANSION JOINT REPLACEMENT DETAILS
ILLINOIS ROUTES 100 & 106 OVER
ILLINOIS RIVER
PUBLIC WATERS

DESIGNED - CEH
CHECKED - SDS
DRAWN - DLH
CHECKED - CEH, SDS

WHKS & CO.
ENGINEERING
7018 KINGSMILL CT.,
SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

SHEET NO. 4 OF 25 SHEETS	F.A.P. RTE. 757	SECTION 20BR-2	COUNTY SCOTT/PIKE	TOTAL SHEETS 30	SHEET NO. 9
	SN 086-0001		CONTRACT NO. 72C39		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					