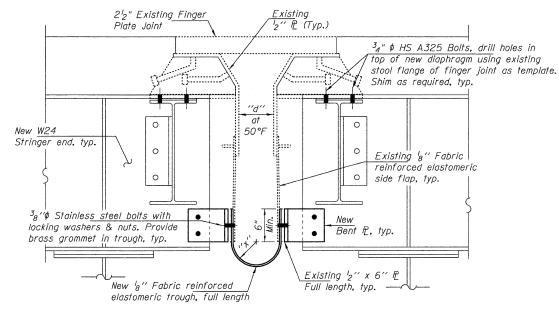
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



SECTION A-A EXPANSION DAM AT STRINGER LINES 1, 2, 7 AND 8

Existing

Floorbeam

12'-6"

D

Symm, about

 $B \blacktriangleleft$

0

 $B \blacktriangleleft 1$

Existing W24 Stringer

Studs damaged as a result of construction shall be replaced, at the contractor's expense to the satisfaction of the engineer.

Cut line for existing joint and

< at cut line

31'-6"

PART ELEVATION AT EXPANSION DAM SHOWING TROUGH

* Typical both sides of expansion dam except at Pier 8 and 24, girder span side only.

19'-5" *Limits of existing expansion dam removal and reinstallation

Existing Finger

Slope 58"/ft.

New Cantilever

Floorbeam

Plate Joint

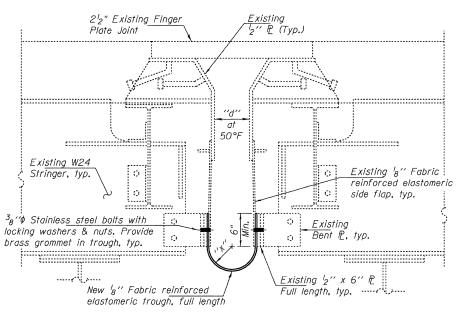
±18" cts., typ.

 $A \blacktriangleleft$

New W24

Stringer end

elastomeric side flap



SECTION B-B EXPANSION DAM AT STRINGER LINES 3 THRU 6

Existing 18" Fabric reinforced elastomeric side flap

38'' Stainless steel bolts with

locking washers & nuts. Provide

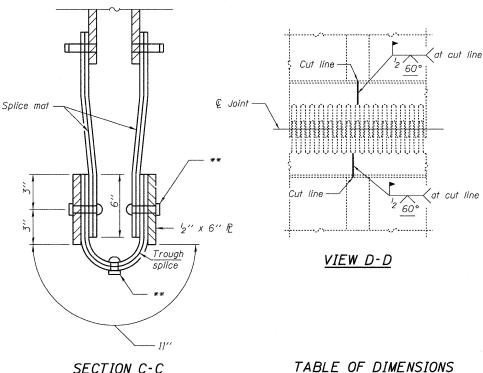
brass grommet in trough. (Typ.)

elastomeric trough, full length, and existing 12" x 6" R's

New 8" Fabric reinforced

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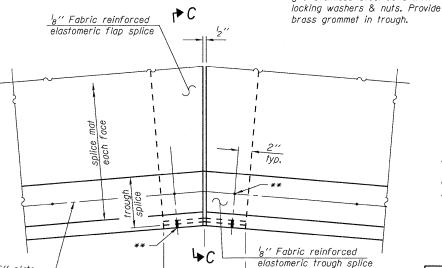
1'-6"



SECTION C-C

** ³8'' Stainless Steel bolts with

LOCATION	''d''	''x''
Pier 8	6''	5′′
Hinge 12	6′′	5′′
Hinge 13	5¼"	4 ⁵ 8"
Hinge 15	6''	5′′
Pier 19	6 ³ 4''	53 _{8′′}
Pier 24	634"	53 ₈ "



Cost of removing, reinstalling and welding existing finger plate shall be included in Expansion Joint (Special).

BILL OF MATERIAL

Item	Unit	Total
Expansion Joint (Special)	Foot	233

EXPANSION DAM REPAIR AND REPLACEMENT I-80 OVER MISSISSIPPI RIVER STRUCTURE NO. 081-0011

TROUGH	SPL ICE	DFTAII
11100011	J. LIUL	

1'-0"

At centerline of bridge

full length of

trough

Cost of the new full length In a fabric reinforced elastomeric trough shall be included in Expansion Joint (Special).

DESIGNED	YSS
CHECKED	DWP
DRAWN	PRC
CHECKED	YSS
	09/17/09



SHEET NO. 29	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	80	(81-1B)M-4	ROCK ISLAND	75 56
33 SHEETS		SN 081-0011	CONTRACT	NO. 64F31
	FED. R	OAD DIST. NO. 7 ILLINOIS FED.	AID PROJECT	