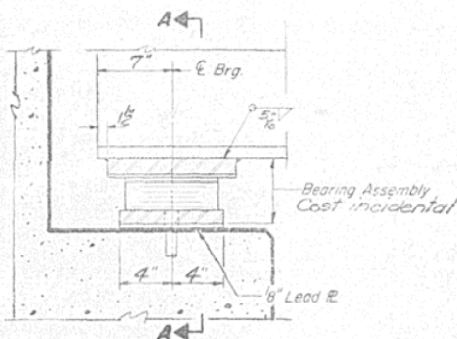


AS-BUILT PLANS FOR INFORMATION ONLY

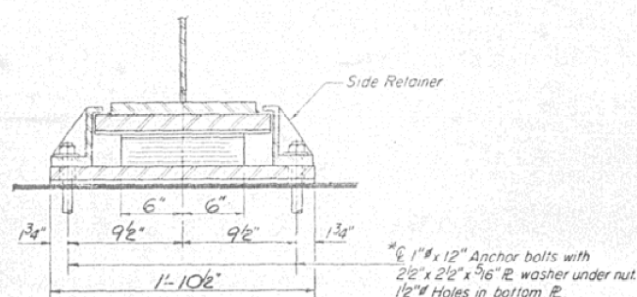
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
132	(C-X) BR	Edgar	53	41
SHEET NO. 8		11 SHEETS		

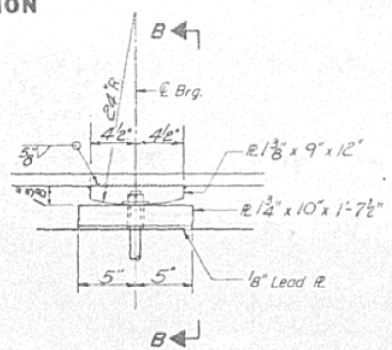


SECTION AT ABUT. (EXP. BRG.)

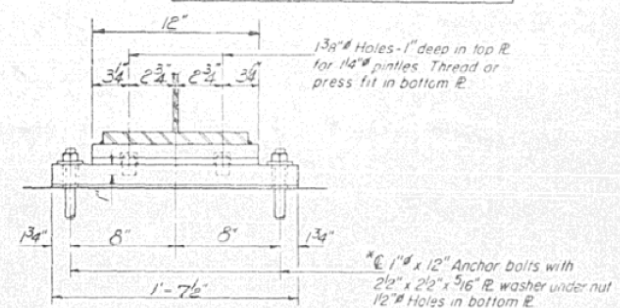
TYPE II TFE ELASTOMERIC EXP. BRG.



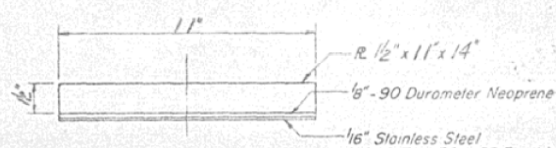
SECTION A-A



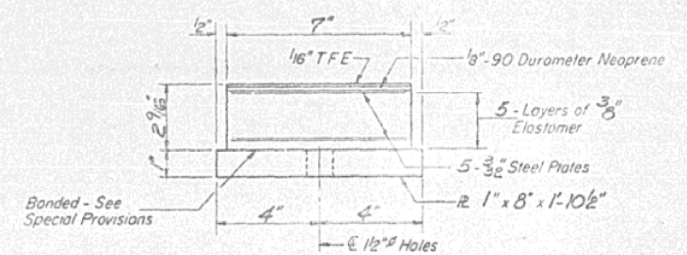
ELEVATION AT PIER



SECTION B-B



TOP BEARING ASSEMBLY

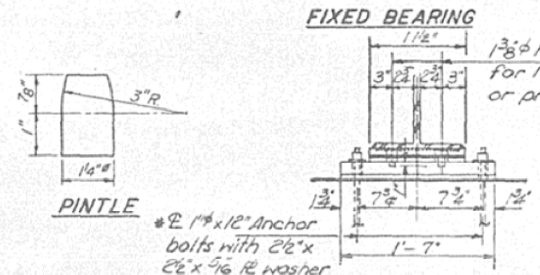


BOTTOM BEARING ASSEMBLY

These Elastomeric Bearings contain features for which patents have been granted or applied for. Free license for projects governed by these standards may be obtained by applying to Fel-Pro Incorporated, Skokie, Illinois.

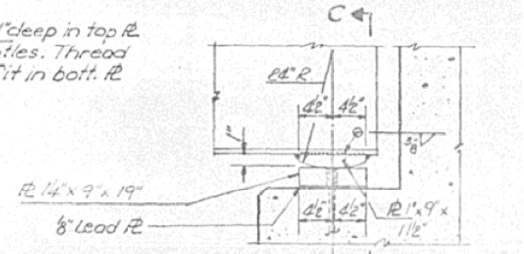
Note: Brg. plates and retainers shall be AASHTO M222.

Note: After beams have been erected holes at expansion bearings shall be drilled and anchor bolts grouted in place. Anchor bolts at fixed bearings may be built into the masonry.

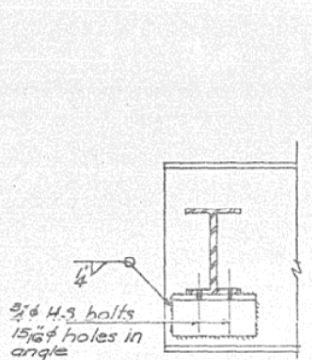


FIXED BEARING

PINTLE

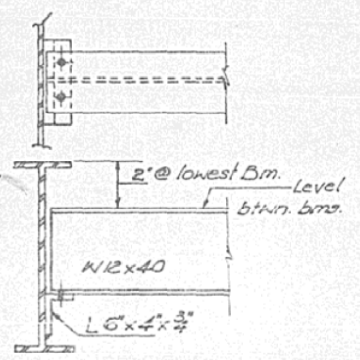


SEC. AT ABUT. (FIX. BRG.)

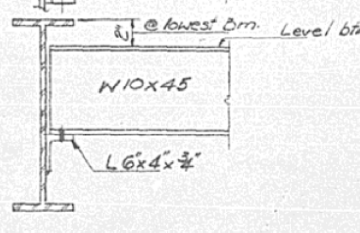
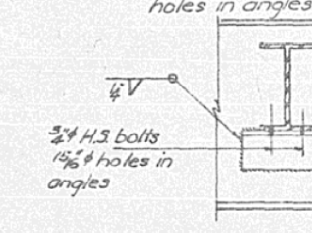


DIAPHRAGM D
18 Required

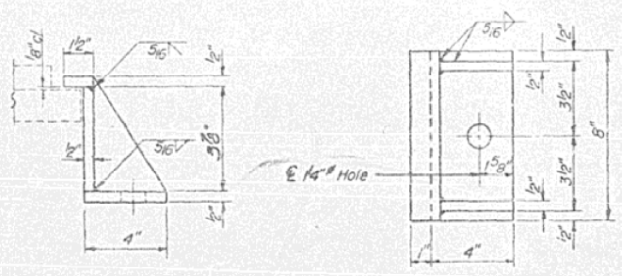
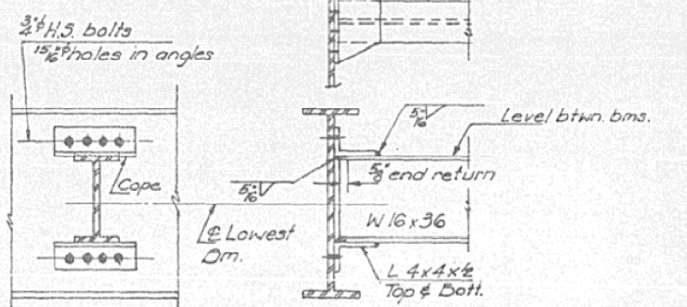
Note: Hardened washers shall be required over 15/16\"/>



DIAPHRAGM D
45 Required



DIAPHRAGM D
7 Required



SIDE RETAINER

	0.45p1	Pier
Is (in ⁴)	4930	4930
Ic (in ⁴)	18863	-
Is (in ³)	329	329
Sc (in ³)	474	-
Q (ft)	.729	1043
M _E (ft-k)	195.1	462.2
F _S (ksi)	.71	16.9
S _E (ft)	.314	-
M _S (ft-k)	93.5	-
M _T (ft-k)	401.3	222.1
M Imp (ft-k)	107.5	59.4
TOTAL (ft-k)	607.6	281.5
F _S (ksi)	15.4	10.3
F _S Total (ksi)	22.5	27.2
VR (k)	45.8	-

	ABUT	PIER
R @ (k)	24.8	79.4
R L (k)	33.5	41.1
Imp (k)	9.0	10.9
R TOTAL (k)	67.3	131.4

Is & Ss are the moment of inertia and section modulus of the steel section
Ic & Sc are the moment of inertia and section modulus of the composite section used in computing fs.
VR is the maximum ft + Impact shear range in span.

DIAPHRAGM &
BEARING DETAILS
FA. RTE. 132 SEC. (C-X) BR
EDGAR COUNTY
STA. 911-27.95

DESIGNED R. Carroll	EXAMINED [Signature]
CHECKED DR. Gathard	PASSED [Signature]
DRAWN A. Borrozo	APPROVED [Signature]
CHECKED DR. Gathard	DIRECTOR OF HIGHWAYS

I-2-E2 2-1-76

FILE NAME =	USER NAME = carrollrt	DESIGNED R. Carroll	REVISED -
ct:\pwork\p\dot\carrollrt\d0212096\Bridg	Bridge Repairs - 023-0024.dgn	DRAWN R. Carroll	REVISED -
PLOT SCALE = 40.0000 ' / IN.	DATE 10/1/2010	CHECKED T. Brandenburg	REVISED -
PLOT DATE = 12/10/2010		DATE 10/1/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS (FOR INFORMATION ONLY)
S.N. 023-0024

SCALE:	SHEET NO. 18 OF 19 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
101 BDR & CX-BJR	EDGAR	36	30	
CONTRACT NO. 70873				ILLINOIS FED. AID PROJECT