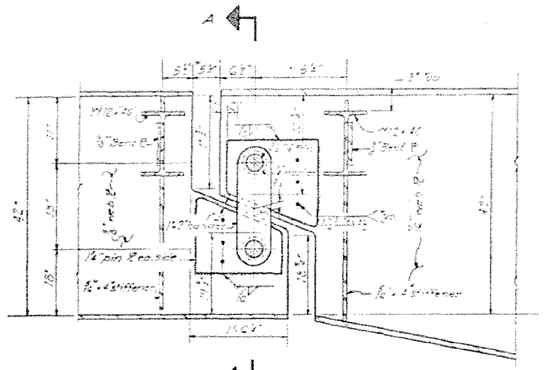
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

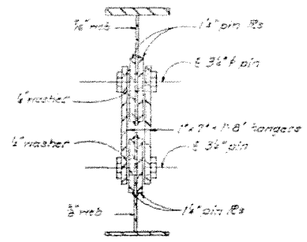
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• • •	58-2D	MACON	107	60
• • 112	58-1			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 18
23 SHEETS

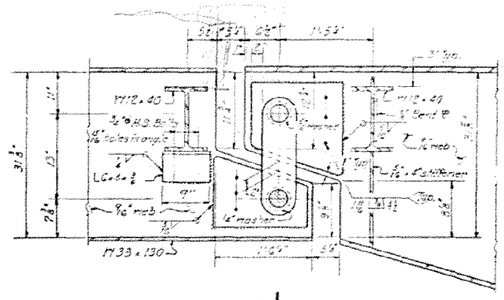


A

LINK 1-OUTSIDE BEAMS
• A1 50HF

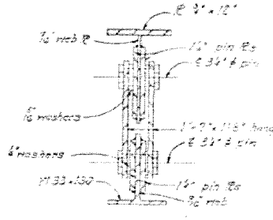


SECTION A-A

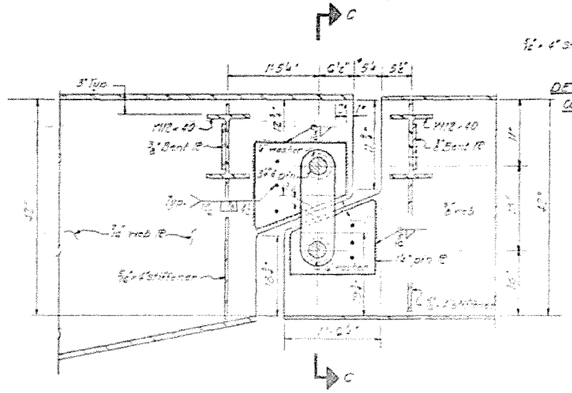


B

LINK 1-INTERIOR BEAMS
• A1 50HF

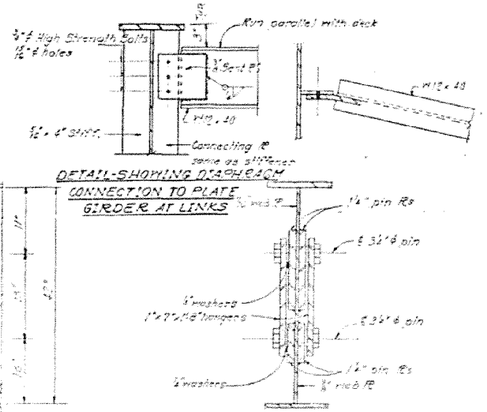


SECTION B-B



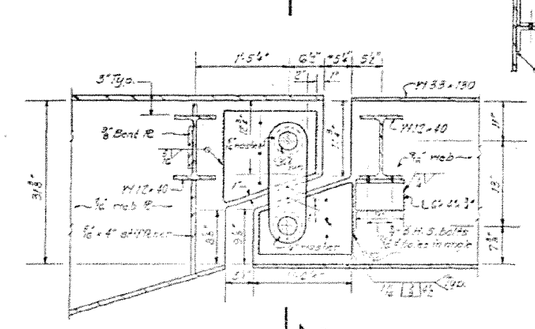
C

LINK 2-OUTSIDE BEAMS
• A1 50HF



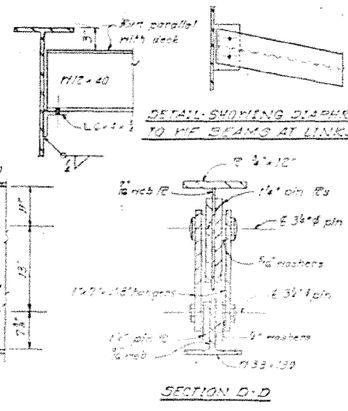
DETAIL SHOWING DIAPHRAGM CONNECTION TO PLATE GIRDER AT LINKS

SECTION C-C

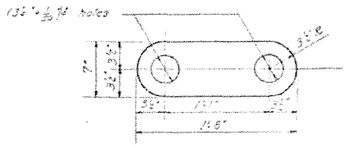


D

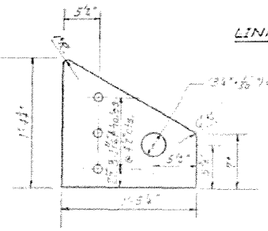
LINK 2-INTERIOR BEAMS
• A1 50HF



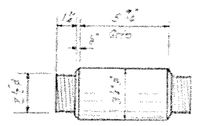
SECTION D-D



1" HANGER PLATE
Required - (2)

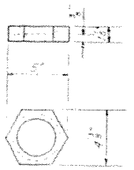


1½" PIN PLATE
Required - (2)



PIN SPECIFICATIONS
Material - ASTM A322 Grade 8620
Heat treated-Case harden entire Pin only
Case depth .125-.19 range
Surface hardness 58 RHC

PIN DETAIL
Required - (2)



STRUCTURAL STEEL-DETAILS
F.A. RT. 412 SEC. (2R,2S,2T) R-1
MACON COUNTY
STA. 235+00.76

DESIGNED	Hayesh Kad	
CHECKED		
DRAWN		
CHECKED	Kar	
EXAMINED		19
PASSED		
APPROVED		

• VARIOUS ROUTES
•• D7 BRIDGE PAINTING 2013-2

FILE NAME = c:\pw_work\pwidot\steffenmk\d0307287\D774580-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
Default	PLOT DATE = 10/23/2012	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUTURE PLAN

SCALE: NA | SHEET 14 OF 23 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MACON	27	18
		CONTRACT NO. 74580		
		ILLINOIS FED. AID PROJECT		