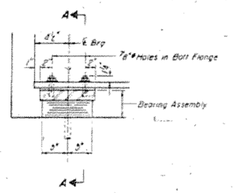
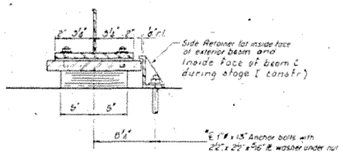
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 710	48 HBR-1	MACON	68	69
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

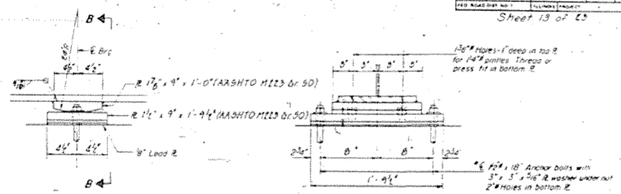
Sheet 13 of 69



SECTION AT S ABUT.



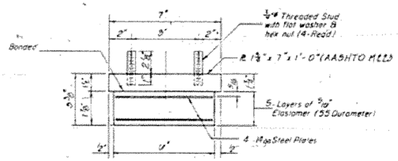
SECTION A-A



ELEVATION AT PIER 1

SECTION B-B

TYPE 1 ELASTOMERIC EXP. BRG.
(7 Required)



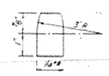
BEARING ASSEMBLY

North

Note: Shim plates shall not be placed under Bearing Assembly.

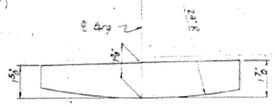
Shim plates, adjusting shim plates, side retainers and anchor bolts shall be considered "structural steel" and shall be included in the lump sum bid price for "Furnishing and Erecting Structural Steel".

*Note: After girders 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.
See Sheet 16 for Anchor Bolt installation.



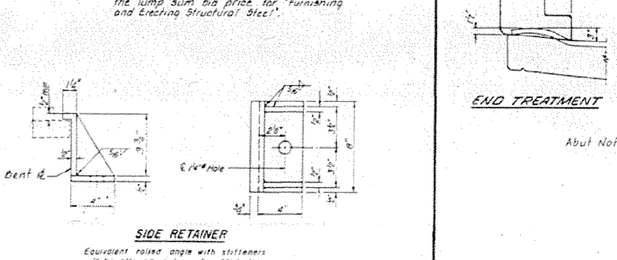
PINTLE

FIXED BEARING
(7 Required)



TOP PLATE

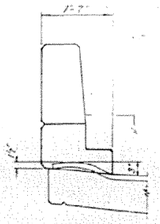
North



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates

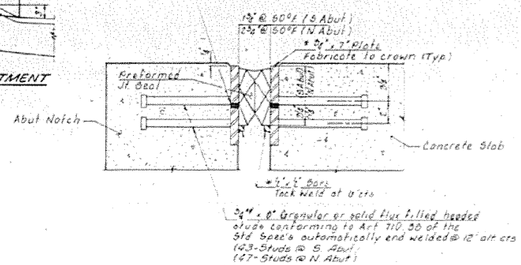
(3 Required)



END TREATMENT

* Furnish in segments of 20 ft maximum length. Maximum space between installed segments shall be ¾". Seal space with Silicone Sealant suitable for Structural Steel

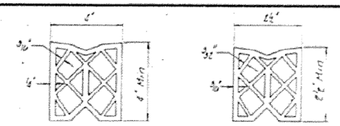
7/8" Holes at 12" c/c for ¾" ø bolts. All bolts shall be burned, sawed or chipped off flush with the plates after forms are removed. (Typ.)



¾" x 8" Grayewlor or solid flex filled headed studs conforming to Art 710.30 of the Std Spec's automatically end welded @ 12" alt cts each plate
123-Studs @ S Abut
147-Studs @ N Abut

CROSS SECTION

Note: After fabrication all surfaces of the steel plates shall be given one shop coat of paint specified for structure steel



PREFORMED JOINT SEAL

NORTH ABUT. SOUTH ABUT.

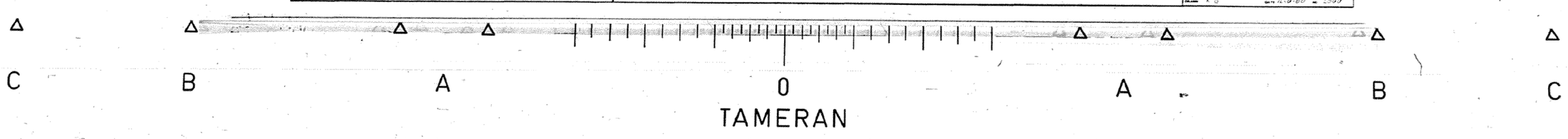
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Preformed Joint Seal 12"	Lin Ft	40
Preformed Joint Seal 4	Lin Ft	30

BEARING & EXPANSION JOINT DETAILS
FA 710 (US 51) OVER LAKE SHORE DRIVE
SECTION 48 HBR-1
MACON COUNTY
STATION 107+09.28

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED EBU CHECKED FJS
DRAWN KG DATE 12-9-88 JOB 2340



•D7 BRIDGE PAINTING 2014-4

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
c:\pw_work\pwidot\steffenmk\d0348346\D774629-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 8/23/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN
S.N. 058-0007

SCALE: N/A | SHEET 5 OF 13 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
710	•	MACON	16	8
		CONTRACT NO. 74629		
		ILLINOIS FED. AID PROJECT		