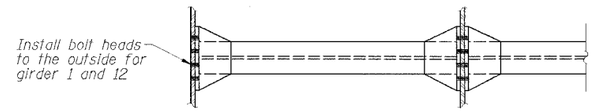
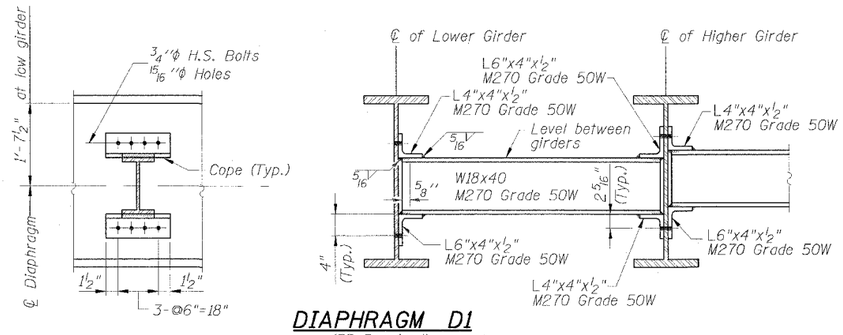
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	57B-31	COOK	62	35
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

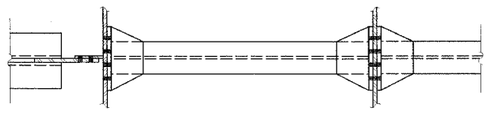
CONTRACT NO. 60440

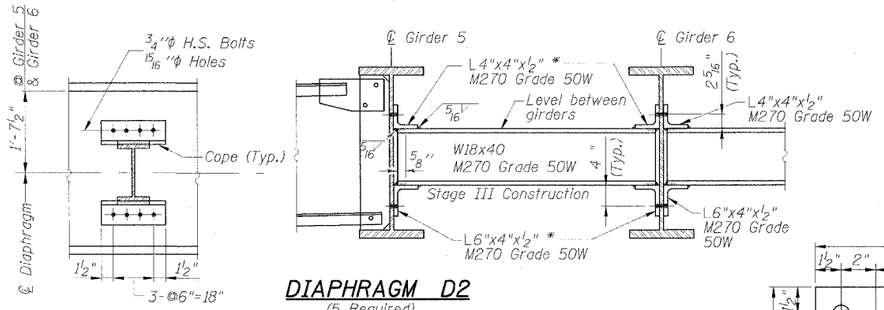




DIAPHRAGM D1

(35 Required)





DIAPHRAGM D2

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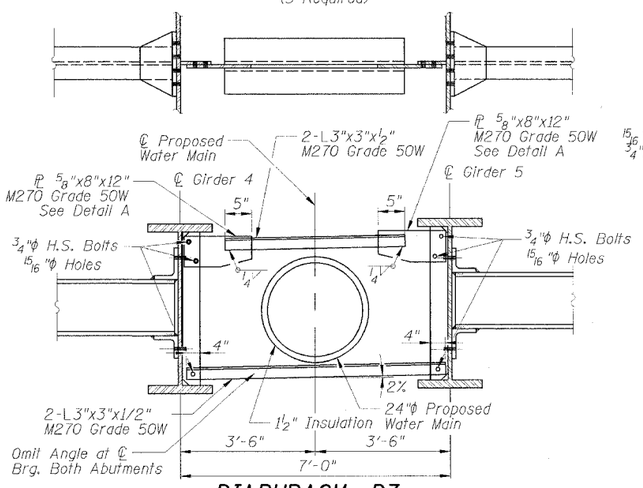

DIAPHRAGM D3

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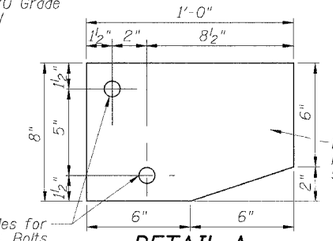
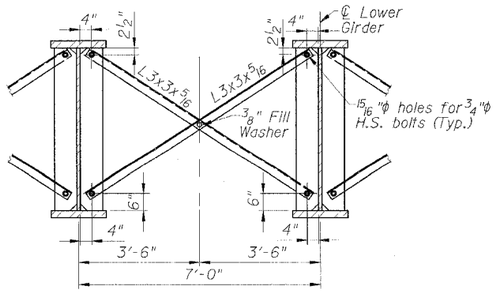
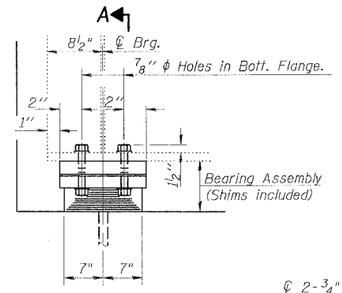


DETAIL A

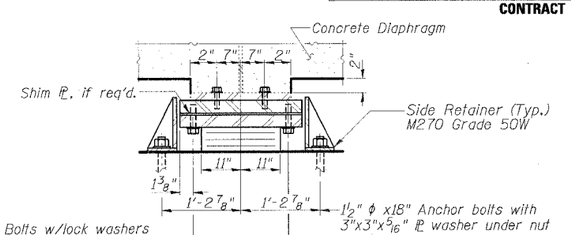


CROSS FRAME CF1

(16 Required)

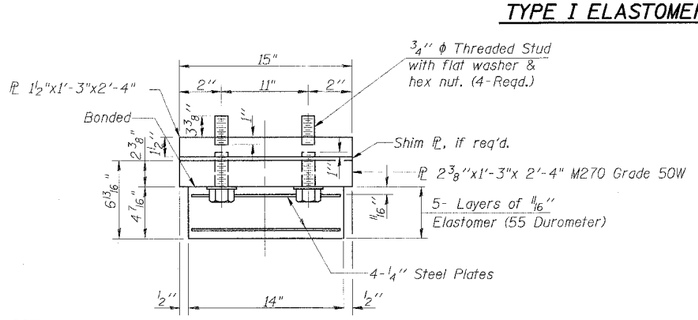


ELEVATION AT S. ABUT.



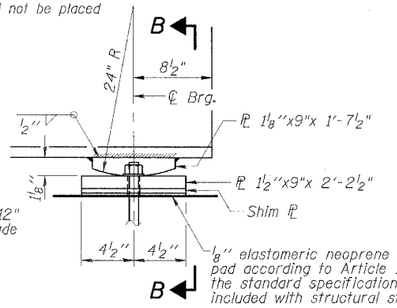
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

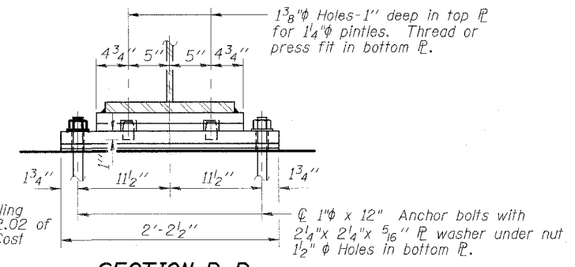


BEARING ASSEMBLY

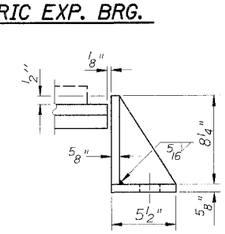
Note: Shim plates shall not be placed under elastomer.



ELEVATION AT N. ABUT.

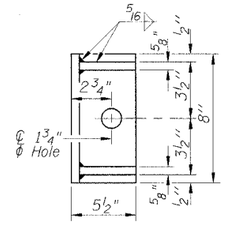


SECTION B-B

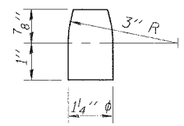


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.



FIXED BEARING



PINTLE

BILL OF MATERIAL

Item	Unit	Total
Erecting Elastomeric Bearing Assembly Type I	Each	10

Structural Steel and bearings provided in a separate Fabrication Contract. Only Erecting Structural Steel, Erecting Elastomeric Bearing Assembly, Type I and furnishing and installing anchor bolts are included in this Contract. Cost of anchor bolts and erecting fixed bearings is included with Erecting Structural Steel.

Notes:

1. Two hardened washers shall be required over all oversized holes for Diaphragms.
2. For Bill of Material see Sheet S9.
3. For Water Main details see Sheet S17.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BEARING & DIAPHRAGM DETAILS
FAP 350 IL ROUTE 50 (CICERO AVE.) OVER NORTH BRANCH OF THE CHICAGO RIVER
COOK COUNTY STATION 23+65.80
SECTION 57B-31
STRUCTURE NO. 016-2782

SCALE: NONE DRAWN BY: M. Belton
DATE: AUGUST 18, 2006 CHECKED BY: R. Clinton

PATRICK ENGINEERING INC.
LISLE, ILLINOIS

M:\2006\06-0282-00\Drawings\STRUCTURE\Diaphragm.dgn