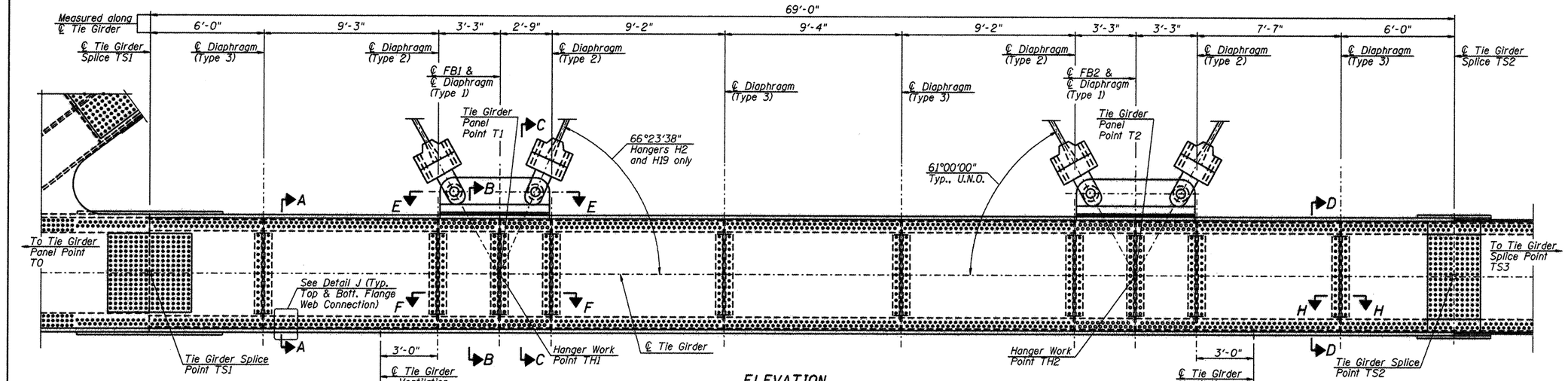
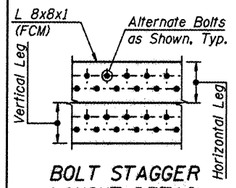


ELEVATION

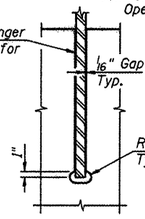
South Tie Girder looking North
Flange Bolts not shown for Clarity
Lower Lateral Bracing not shown for Clarity

* See Bolt Stagger Layout Detail for clarification. Detail J and Section K-K are for $\frac{7}{8}$" ϕ bolts only.

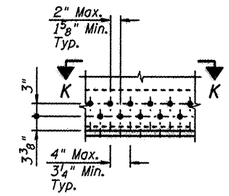


BOLT STAGGER LAYOUT DETAIL

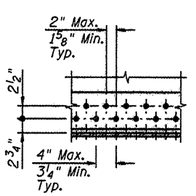
Angle shown laying flat



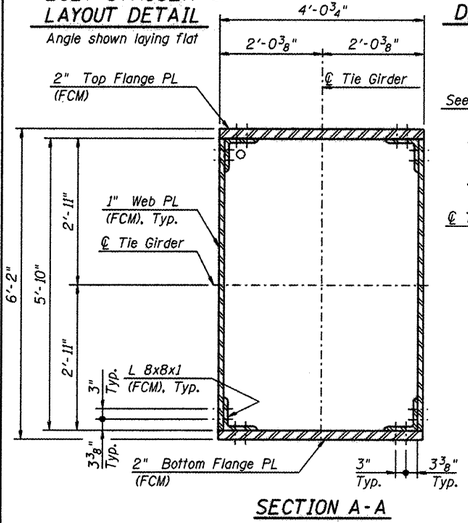
DETAIL L



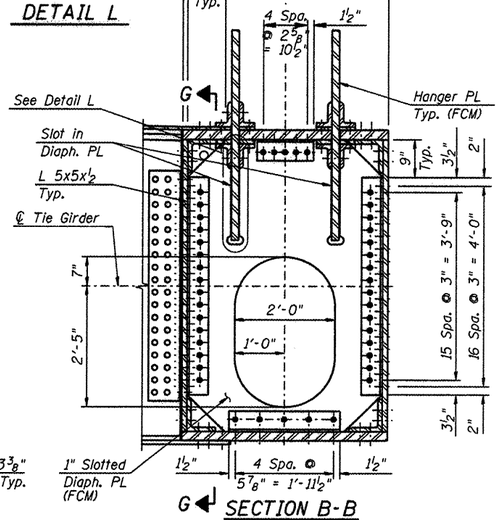
DETAIL J *



SECTION K-K *

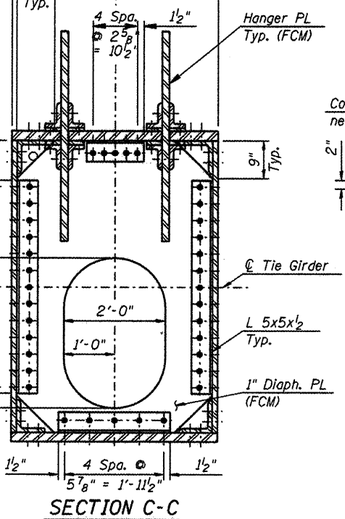


SECTION A-A



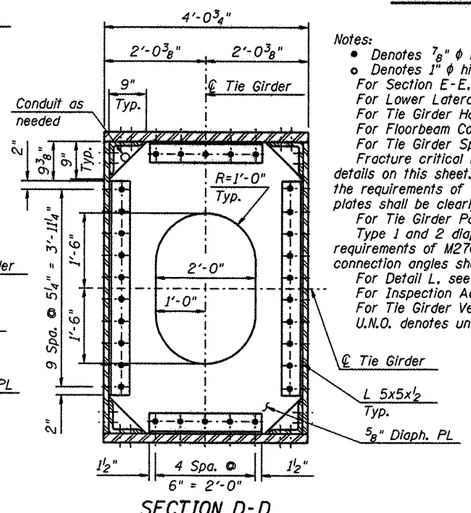
SECTION B-B

Diaphragm - (Type 1)



SECTION C-C

Diaphragm - (Type 2)



SECTION D-D

Diaphragm - (Type 3)

Notes:

- ● Denotes $\frac{7}{8}$" ϕ high-strength bolt.
- o Denotes 1" ϕ high-strength bolt.

For Section E-E, F-F, G-G & H-H, see Sheet 46 of 79.
For Lower Lateral Bracing Details, see Sheet 62 of 79.
For Tie Girder Hanger Details, see Sheets 49 and 50 of 79.
For Floorbeam Connection Details, see Sheets 55 and 57 of 79.
For Tie Girder Splice Details, see Sheets 44 and 45 of 79.
Fracture critical members (FCM) are delineated in the details on this sheet. Members called out as FCM shall conform to the requirements of M270 Gr. 50W F3 (FCM). These members and plates shall be clearly labeled on shop drawings.
For Tie Girder Painting Details, see Sheet 46 of 79.
Type 1 and 2 diaphragm connection angles shall conform to the requirements of M270 Gr. 50W T3. Type 3 diaphragm plates and connection angles shall conform to the requirements of M270 Gr. 50W.
For Detail L, see Sheet 41 of 79.
For Inspection Access Lighting, see Lighting Plans.
For Tie Girder Ventilation Opening Details, see Sheet 44 of 79.
U.N.O. denotes unless noted otherwise.

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HNTB

DESIGNED	PA, JDJ, BPD, CJW	REVISED	-
DRAWN	GLD	REVISED	-
CHECKED	RJK	REVISED	-
DATE	02/04/2011	REVISED	-

CITY OF ROCKFORD
MORGAN STREET BRIDGE

TIE GIRDER TS1 TO TS2 AND TS6 TO TS5
STRUCTURE NO. 101-6108

SCALE: | SHEET NO. 41 OF 79 SHEETS | STA. 47+00.74 TO STA. 52+63.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5077	99-00493-00-BR	WINNEBAGO	253	167
		CONTRACT NO. 85529		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT BRM-5099(65)		