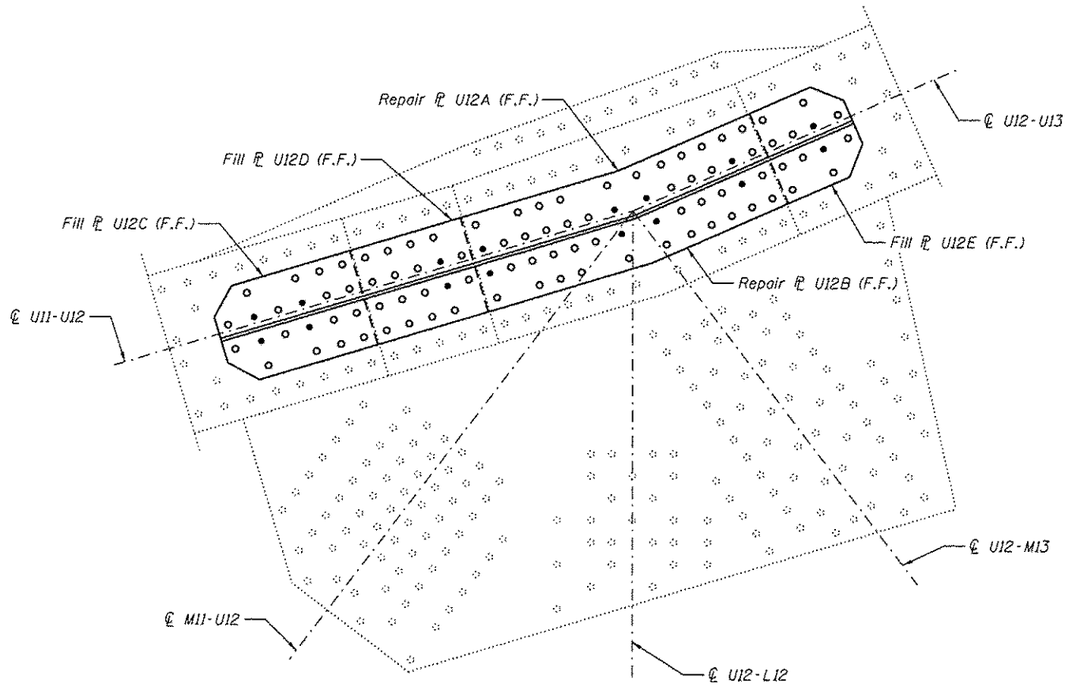
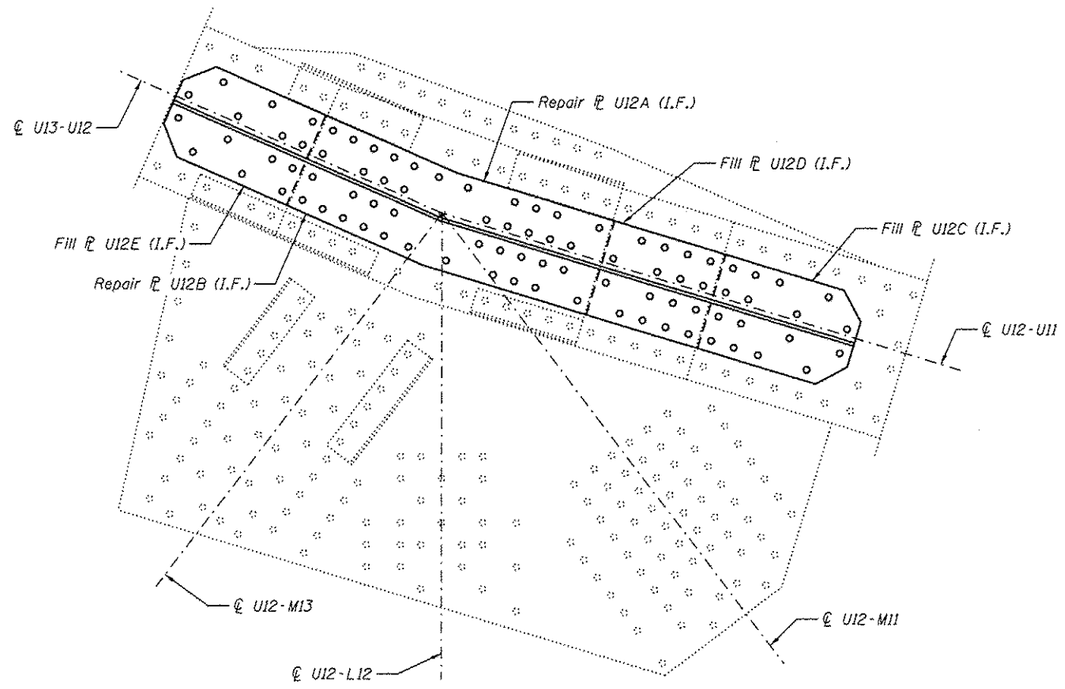


OUTSIDE PLATE AT PANEL POINT U12N AND U12S
(U12'N AND U12'S SIMILAR)

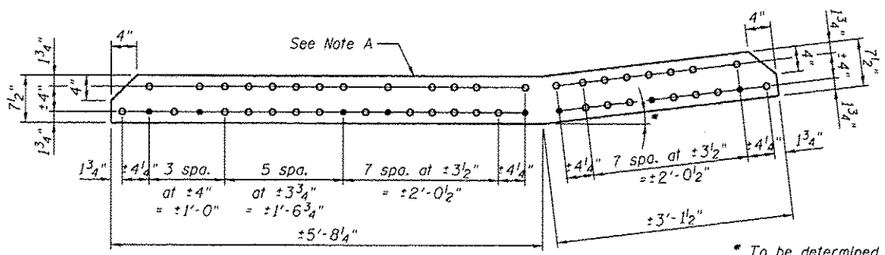
(Span 9 and 11)



INSIDE PLATE AT PANEL POINT U12N AND U12S
(U12'N AND U12'S SIMILAR)

(Span 9 and 11)

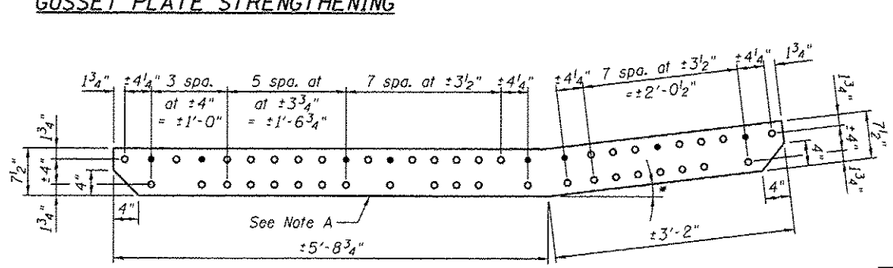
GUSSET PLATE STRENGTHENING



REPAIR ℙ U12A

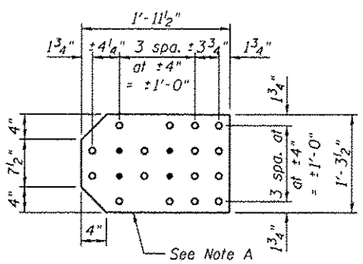
℄ ¾" x 7½" x ±8'-9¾"

* To be determined in field



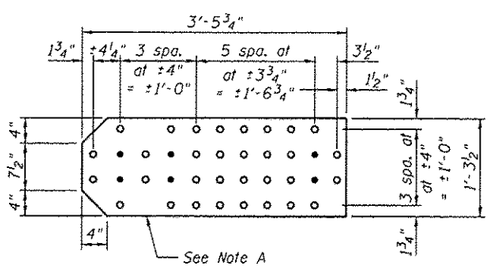
REPAIR ℙ U12B

℄ ¾" x 7½" x ±8'-10¾"



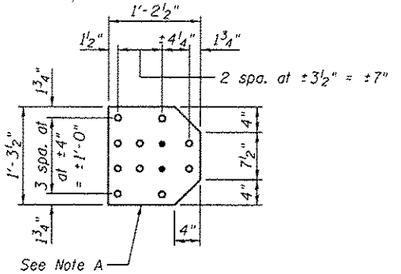
FILL ℙ U12C

℄ 11/16" x 15½" x 1'-11½"



FILL ℙ U12D

℄ ⅜" x 15½" x 3'-5¾"



FILL ℙ U12E

℄ ⅜" x 14½" x 1'-3½"

Procedure:
Install repair plates similar to U4N and U4S (U4'N and U4'S). See sheet S55.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	4,850

Note A:
Field drill holes (o) using existing holes as template. Remainder of holes (•) may be shop or field drilled.

Note:
All bolted connections shown on this sheet shall be made with 1" dia. H.S. bolts unless otherwise noted.
For front and inside faces of gusset plates, see truss cross section on sheet S8.

MODJESKI and MASTERS
Experience great bridges.

USER NAME =	DESIGNED - MEL	REVISED
	CHECKED - CDB	REVISED
PLOT SCALE =	DRAWN - PRC	REVISED
PLOT DATE = 05/02/2014	CHECKED - MEL	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAIN SPANS GUSSET PLATE STRENGTHENING – 14
S.N. 082-6001 MLK BRIDGE OVER MISSISSIPPI RIVER
SHEET NO. S59 OF S138 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR, DRS-2	ST. CLAIR	156	77
		CONTRACT NO. 76803		
	ILLINOIS FED. AID PROJECT			