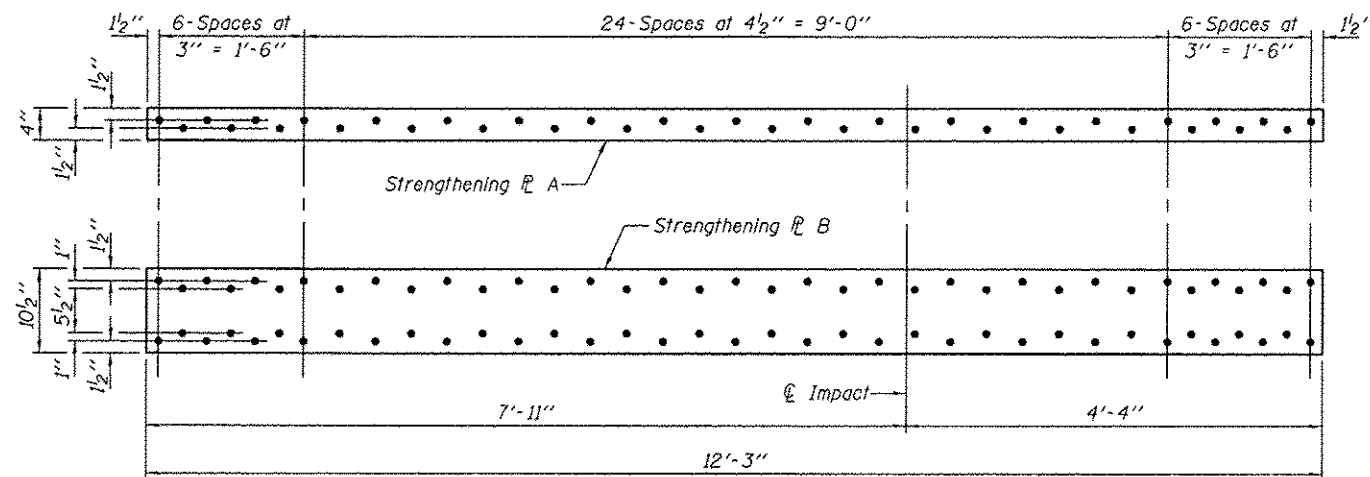


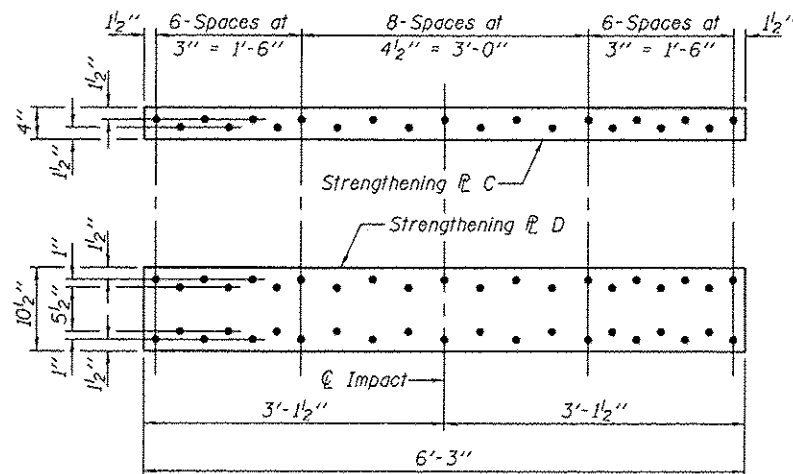


STRENGTHENING R'S A & B (BEAM 4E)

(Holes to be field drilled using holes in beam flange as template.)

R A $\frac{5}{8}$ " x 4" x 12'-3" (2 Required)

R B $\frac{5}{8}$ " x 10 1/2" x 12'-3" (1 Required)

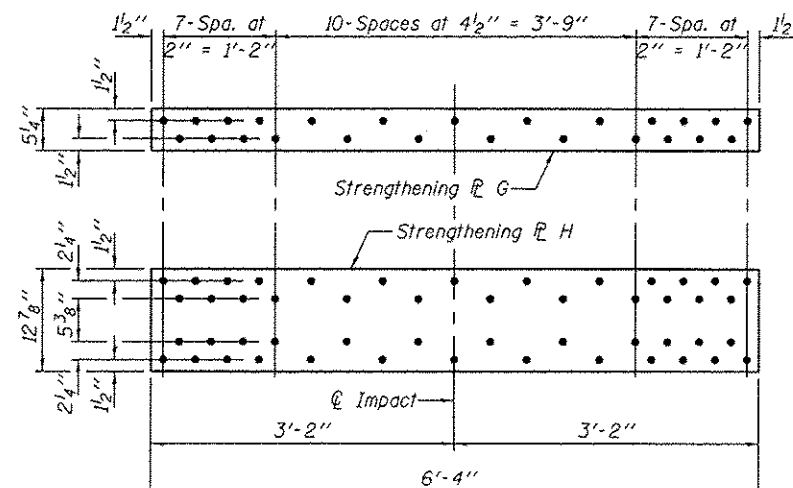


STRENGTHENING R'S C & D (BEAMS 6E, 7E & 8E)

(Holes in beam flange to be field drilled using strengthening plates as template.)

R C $\frac{5}{8}$ " x 4" x 6'-3" (6 Required)

R D $\frac{5}{8}$ " x 10 1/2" x 6'-3" (3 Required)

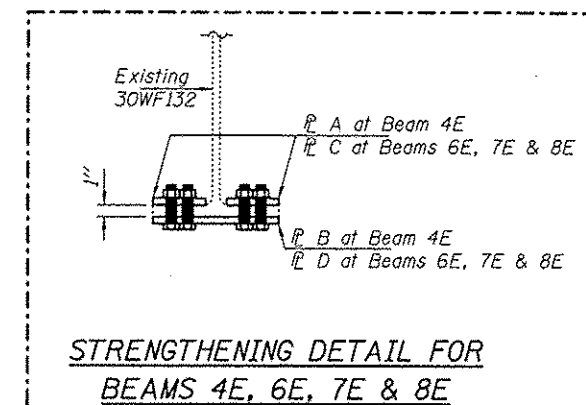


STRENGTHENING R'S G & H (BEAM 10)

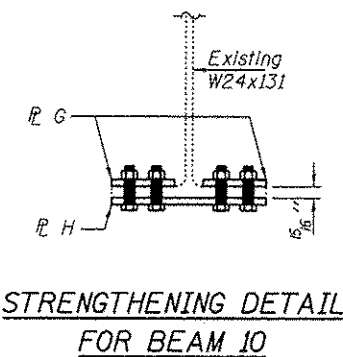
(Holes in beam flange to be field drilled using strengthening plates as template.)

R G $\frac{9}{16}$ " x 5 1/4" x 6'-4" (2 Required)

R H $\frac{9}{16}$ " x 12 7/8" x 6'-4" (1 Required)



STRENGTHENING DETAIL FOR BEAMS 4E, 6E, 7E & 8E



STRENGTHENING DETAIL FOR BEAM 10



Notes:

Removal of existing Strengthening R's on Beam 4E to be paid for as "Structural Steel Removal".

New Strengthening R's on Beams 4E, 6E, 7E, 8E & 10 and field drilling of holes to be paid for as "Structural Steel Repair".

DESIGNED DAB
CHECKED GGE
DRAWN Kyle M. Steffen
CHECKED DAB GGE

EXAMINED
PASSED
ACTING ENGINEER OF STRUCTURAL SERVICES
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE JUNE 26, 2012
REVISED 7/18/2012 DAB
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLAB SUPPORT SYSTEM & STRENGTHENING PLATE DETAILS
SN 090-0091

SHEET NO. 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(90-14HB-11B)1-1	TAZEWELL	16	14
CONTRACT NO. 68B19				
ILLINOIS FED. AID PROJECT				