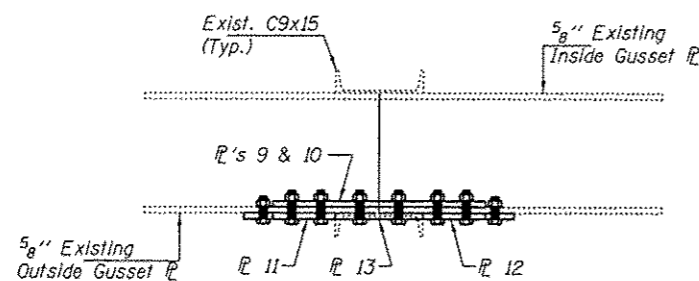
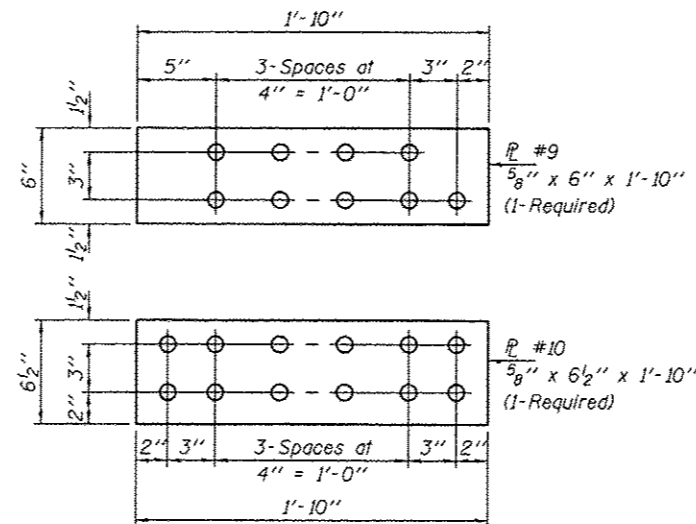


REPAIR 6 ELEVATION
Span 8 at L6W

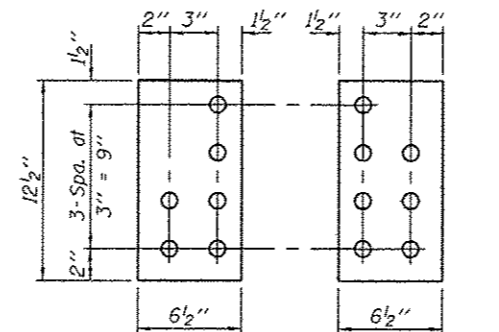


REPAIR 6 PLAN
Span 8 at L6W

Note:
For Repair 6 locations, the Contractor shall field measure the existing plates and determine the actual locations of the existing rivets prior to ordering or fabricating any plates. Any discrepancies from the plans or existing shop plans shall be brought to the attention of the Engineer prior to fabrication.

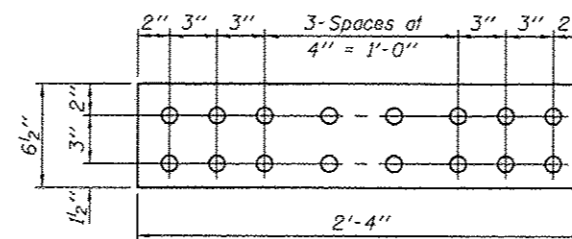


R'S #9 & #10



R #11
R 5/8" x 6 1/2" x 12 1/2"
(1-Required)

R #12
R 5/8" x 6 1/2" x 12 1/2"
(1-Required)



R #13
R 5/8" x 6 1/2" x 2'-4"
(1-Required)

SCOPE OF WORK AT L6W IN SPAN 8

1. Clean and prepare the existing surfaces at the repair area.
2. For the installation of R #9, carefully remove the 4 existing rivets that connect the existing vertical member C9x15, to the existing outside gusset R, at the location where the R is to be attached.
3. Use the 4 existing rivet holes as a template for drilling the 4 holes in R #9.
4. Install R #9 with 4 bolts placed through the existing rivet holes. Install nuts and tighten fully.
5. The bolt holes for R #11 & #12 shall be drilled in the shop.
6. Clamp R #11 & #12 in their final positions.
7. Using the bolts holes in R #11 & #12 as guides, drill through the existing 5/8" gusset R and 5/8" R #9.
8. Install all of the remaining bolts & nuts for R #9. Tighten the nuts fully.
9. Only after completing the above noted steps, shall the Contractor proceed to the installation of R #10.
10. For the installation of R #10, carefully remove the 4 existing rivets that connect the existing vertical member C9x15, to the existing outside gusset R, at the location where the R is to be attached.
11. Use the 4 existing rivet holes as a template for field drilling the 4 holes in R #10.
12. Install R #10 with 4 bolts placed through the existing rivet holes. Install nuts and tighten fully.
13. Using the bolts holes in R #11 & #12 as guides, drill through the existing 5/8" gusset R and 5/8" R #10.
14. Install all of the remaining bolts & nuts for R #10. Tighten the nuts fully.
15. Only after completing the above noted steps, shall the Contractor proceed to the installation of R #13.
16. The bolt holes for R #13 shall be drilled in the shop, except for the 4 holes where the bolts will replace the 4 existing rivets.
17. For the installation of R #13, carefully remove the 4 existing rivets that are located where the R is to be attached.
18. Use the 4 existing rivet holes as a template for field drilling the 4 holes in R #13.
19. Install R #13 with 4 bolts placed through the existing rivet holes. Install the nuts and tighten fully.
20. Using the shop drilled bolt holes in R #13 as guides, drill through the existing 5/8" gusset R.
21. Install all of the remaining bolts & nuts for R #13. Tighten the nuts fully.
22. Paint the repair area.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	160

DESIGNED - MKC
CHECKED - VP
DRAWN - Kyle M. Steffen
CHECKED - MKC VP

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

DATE - JULY 26, 2012
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR 6 ON SPAN 8 AT L6W
SN 062-0036

SHEET NO. 7 OF 10 SHEETS

F.A.S. RTE. 2369	SECTION (1048-DII)	COUNTY MARSHALL	TOTAL SHEETS 17	SHEET NO. 14
				CONTRACT NO. 68B16
ILLINOIS FED. AID PROJECT				