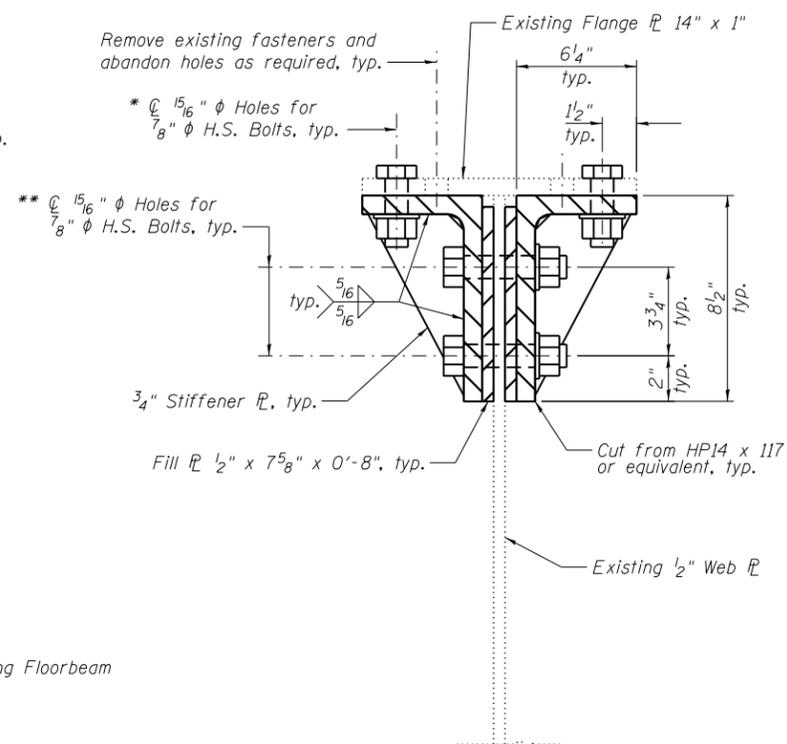
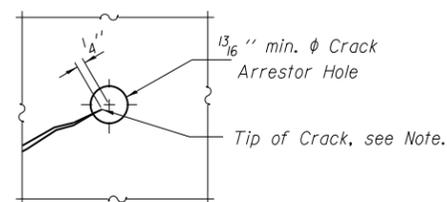


ELEVATION VIEW - END OF FLOORBEAM FBO'
(Required each end of floorbeam)



SECTION A-A

- * Drill holes in floorbeam flange
- ** Drill holes in floorbeam web, where applicable



CRACK ARRESTOR HOLE DETAIL

Note: Locate crack tip using liquid dye penetrant or magnetic particle testing. Drill 1 3/16" min. ϕ Crack Arrestor hole at the crack tip. After crack arrestor hole has been drilled, dye penetrant or magnetic particle testing shall be used to verify that the drilled hole has captured the crack tip. Cost shall be included with Structural Steel Repair.

Notes:
The web shall be checked for cracks and arrestor holes drilled before plates added.
For finger plate expansion joint removal and resetting, see sheet S101.
Fill abandoned holes with tight fitting steel plug coated with epoxy and grind smooth.

BILL OF MATERIAL

| Item | Unit | Total |
|-------------------------|-------|-------|
| Structural Steel Repair | Pound | 520 |



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAIN SPANS FLOORBEAM RETROFIT DETAILS - 3
S.N. 082-6001 MLK BRIDGE OVER MISSISSIPPI RIVER**

SHEET NO. S64 OF S138 SHEETS

| | | | | |
|--------------------|------------|-----------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 799 | IBR, DRS-2 | ST. CLAIR | 156 | 82 |
| CONTRACT NO. 76B03 | | | | |

ILLINOIS FED. AID PROJECT