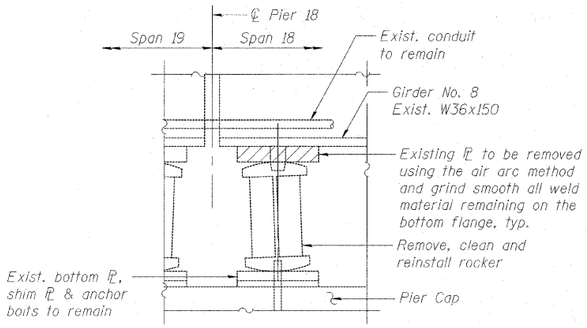
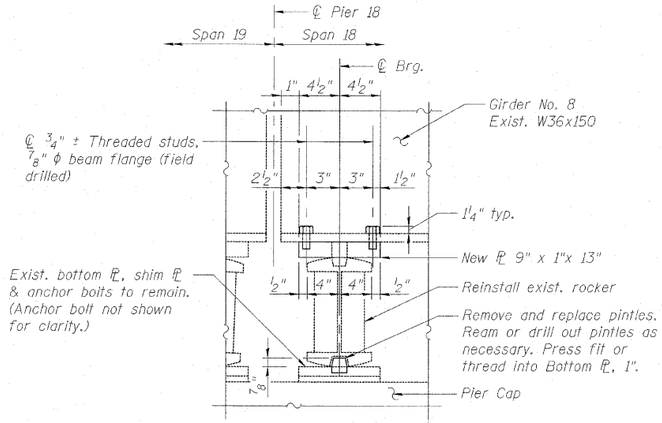


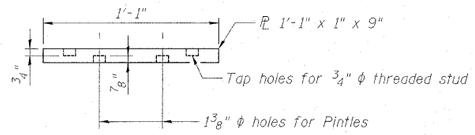

## VIEW A
## EXISTING BEARING REMOVAL DETAIL

Pier 18, Span 18, Girder 8
(Looking South)

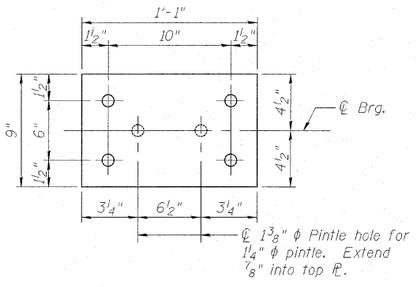



## VIEW A
## PROPOSED BEARING DETAIL

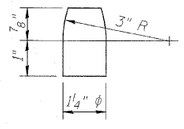
Pier 18, Span 18, Girder 8
(Looking South)




## TOP PLATE DETAIL




## TOP PLATE PLAN VIEW




## PINTLE

## TOTAL BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|---|---|---|
| Jack and Reposition Bearings | Each | 1 |
| Furnishing and Erecting Structural Steel | Pound | 40 |

## BEAM REACTIONS

| Load | Reaction |
|---|---|
| DL | 39.6 |
| LL+Imp | 47.6 |
| Total | 87.2 |

*Total load provided is for the service condition and no load factors have been applied. Jack capacily shall be a minimum of 150% greater than total supported load. See Special Provision Jack and Reposition Bearing.*

## NOTES

1. See Sheet S-11 of S-35 for plan view.
2. Work shall be performed per Special Provision Jack and Reposition Bearing.
3. Rocker portion of bearing assembly shall be cleaned prior to reinstallation. Cleaning shall be in accordance with applicable portion of the Special Provision for Jack and Clean Bearings. Cost shall be included with Jack and Reposition Bearings.
4. Cost of removing pintles, field drilling or reaming, field drilling holes, new pintles, top ℙ and studs shall be included in the cost of Furnishing and Erecting Structural Steel.
5. The repair plate length shown are based on existing plan data. All dimensions shall be field verified prior to ordering materials.
6. Structural steel shall conform to the requirements of AASHTO M270 Gr. 36.

| | | |
|---|---|---|
| USER NAME = mueller | DESIGNED - DF | REVISED - |
| PLOT SCALE = NTS | DRAWN - LAM | REVISED - |
| PLOT DATE = 2/8/2011 5:43:30 PM | CHECKED - BLU | REVISED - |
| | DATE - 01/21/2011 | REVISED - |

HBP Illinois Partners

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BEARING REPAIR DETAILS**
**EASTBOUND FAI-80 OVER DES PLAINES RIVER**
**STRUCTURE NO. 099-0056**
SHEET NO. S-19A OF S-35 SHEETS

| F.A.I RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 80 | 99(2&3)RS-3 | WILL | 200 | 126A |
| | | CONTRACT NO. 60M64 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

a:\0056b\05.cadd\cadd sheets\0990056-60M64-D19A-BRG.dgn