

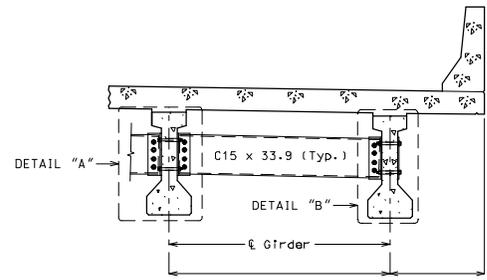
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

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| DATE PREPARED | 07/28/2008 |
| ROUTE | STATE |
| * MO | * MO |
| DISTRICT | SHEET NO. |
| BR | * |
| COUNTY | * |
| JOB NO. | * |
| CONTRACT ID. | * |
| PROJECT NO. | * |
| BRIDGE NO. | DIA 5 |

| DATE | DESCRIPTION |
|------|-------------|
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

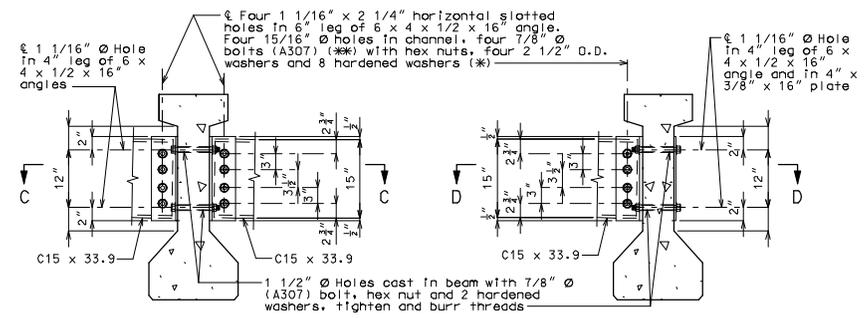
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)



PART SECTION SHOWING INTERMEDIATE DIAPHRAGMS

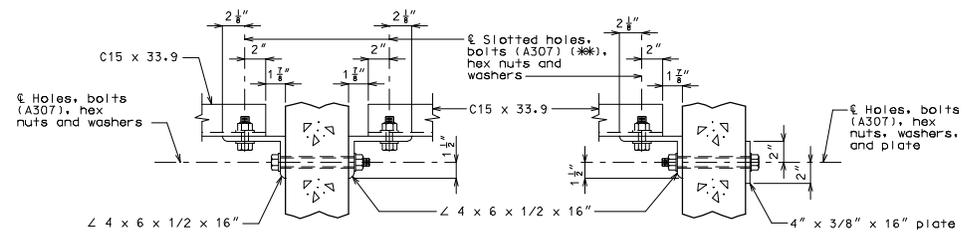
Note to Detailer:

Check that the 1 1/2"Ø holes for the diaphragms shown on the design plans will provide a minimum clearance of at least 1 1/2" to any prestressing strands. Diaphragm spacing may need to be adjusted.



DETAIL "A"

DETAIL "B"



SECTION C-C

SECTION D-D

STEEL DIAPHRAGM NOTES:

- (*) In lieu of 2 1/2" outside diameter washers, contractor may substitute a 3/16" (Min. thickness) plate with four 15/16" Ø holes and one hardened washer per bolt.
- (**) Bolts shall be tightened to provide a tension of one-half that specified in Sec 712 for high strength bolt installation. A325 bolts may be substituted for and installed in accordance with the requirements for the specified A307 bolts.
- All diaphragm materials including bolts, nuts, and washers shall be galvanized.
- Fabricated structural steel shall be ASTM A709 Grade 36 except as noted.
- Payment for furnishing and installing steel intermediate diaphragms will be considered completely covered by the contract unit price for Steel Intermediate Diaphragm for P/S Concrete Girders.
- Shop drawings will not be required for steel intermediate diaphragms and angle connections.
- For location of intermediate diaphragms, see Sheet No. .

STEEL INTERMEDIATE DIAPHRAGM DETAILS

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions. Sheet No. of