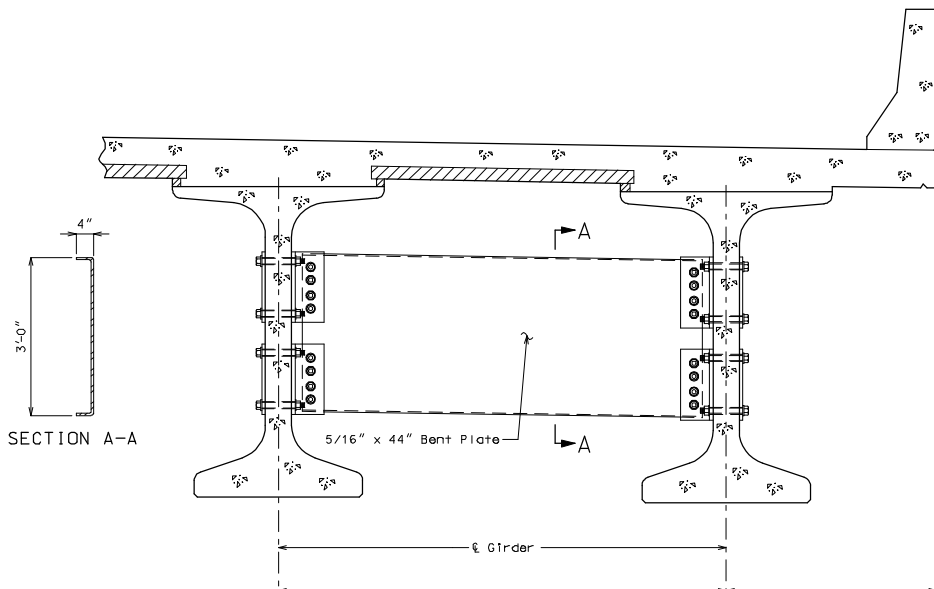
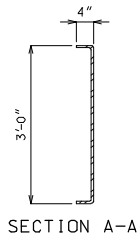


ROUTE	STATE	DISTRICT	SHEET NO.	THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.
	MO			
JOB NO.				
CONTRACT ID.				
PROJECT NO.				
COUNTY				DATE

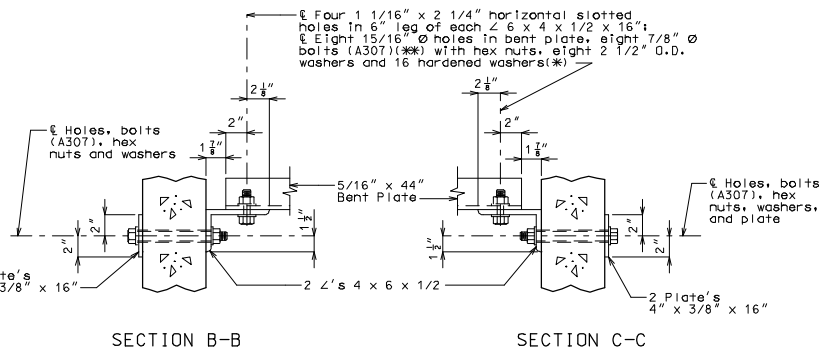


PART SECTION SHOWING INTERMEDIATE DIAPHRAGMS



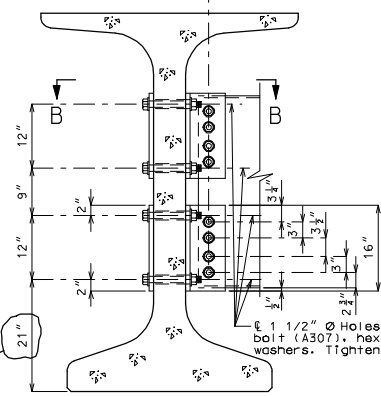
SECTION A-A

Four 1 1/16" x 2 1/4" horizontal slotted holes in 6" leg of each L 6 x 4 x 1/2 x 16";  
 Eight 15/16" Ø holes in bent plate, eight 7/8" Ø bolts (A307)(\*) with hex nuts, eight 2 1/2" O.D. washers and 16 hardened washers(\*)  
 1 1/16" Ø Hole in 4" leg of L 6 x 4 x 1/2 x 16" and in plate 4" x 3/8" x 16"

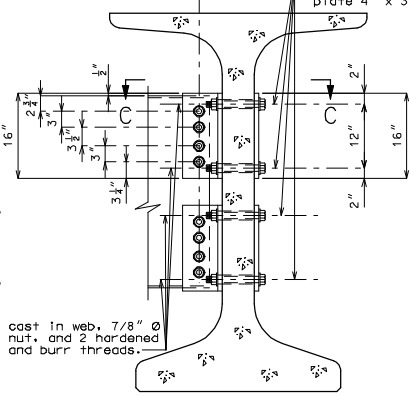


SECTION B-B

SECTION C-C



SECTION THRU INT. GIRDER AT DIAPHRAGM



SECTION THRU EXT. GIRDER AT DIAPHRAGM

Note to Detailer:  
 This dimension varies with girder height, use 21" for NU70, 2'-4" for NU78 & 3'-6" for NU94 girders

STEEL INTERMEDIATE DIAPHRAGM DETAILS

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.

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. .

Detailed Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.