BEVELED BEARING PLATE DETAILS - PRESTRESSED AASHTO AND BULB-T BEAMS

NOTES:

1. Work this sheet with the following drawings:
   Index No. 20500 - Composite Elastomeric Bearing Pads.

2. Embedded Bearing Plates A are required for all AASHTO Type V, VI and Florida Bulb-T beams. Beveled Bearing Plates B with Embedded Bearing Plates A are required for beams unless otherwise scheduled in the "TABLE OF BEAM VARIABLES" on Beam Sheets.

3. Bearing plate material shall conform to ASTM A36 or ASTM A709 Grade 36 or 50. Headed Concrete Anchor Studs shall conform to Specification Section 502. Note that galvanized Bearing Plates A & B after fabrication except that galvanized Caps may be welded in place after hot-dip galvanizing. Drill Bearing Plates A and B as an assembled unit, thread Bearing Plate A only. Holes are not required in Plate A when Plate B is not required. Drill and thread holes perpendicular to the bottom of Plate B and prior to plates being galvanized (ASTM A 123).


5. Include the cost of Beveled Bearing Plates in the pay item for Prestressed Concrete Beams.

6. For Dimensions C and D, see BEARING PLATE DIMENSIONS on Index No. 20500 and the BEVELED BEARING PLATE DATA TABLE in the Structures Plans. For Dimensions J, K1 and K2, see "TABLE OF BEAM VARIABLES" on Beam Sheets.

7. All details and dimensions shown are along the Beam, except for dimensions to ½" dia. Screws and ½" dia. x 2" Anchor Studs, which are along the Plate. Positive Slope shown, Negative Slope similar.

8. When Skew = 0°, dimensions for Embedded Bearing Plate A are D x C x ½" and for Beveled Plate B are D x C x ½" Min.

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Details of Beveled Bearing Plate B (Along & Beam)

Inset of Beveled Bearing Plate B (Along & Beam) (See Note 7)

Side Elevation

End Elevation

Notes:

1. Add data and specifications to Note 2.

2. Dimensions: C, D, J, K1 and K2, see "TABLE OF BEAM VARIABLES" on Beam Sheets.

3. Bearing plate material shall conform to ASTM A36 or ASTM A709 Grade 36 or 50. Provide heading Concrete Anchor Studs and Headed Caps conform to Specification Section 502. Beveled Bearing Plates A are required for all AASHTO Type V, VI and Florida Bulb-T beams. Beveled Bearing Plates B with Embedded Bearing Plates A are required for beams unless otherwise scheduled in the "TABLE OF BEAM VARIABLES" on Beam Sheets.


5. Include the cost of Beveled Bearing Plates in the pay item for Prestressed Concrete Beams.

6. For Dimensions C and D, see BEARING PLATE DIMENSIONS on Index No. 20500 and the BEVELED BEARING PLATE DATA TABLE in the Structures Plans. For Dimensions J, K1 and K2, see "TABLE OF BEAM VARIABLES" on Beam Sheets.

7. All details and dimensions shown are along the Beam, except for dimensions to ½" dia. Screws and ½" dia. x 2" Anchor Studs, which are along the Plate. Positive Slope shown, Negative Slope similar.

8. When Skew = 0°, dimensions for Embedded Bearing Plate A are D x C x ½" and for Beveled Plate B are D x C x ½" Min.

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Details of Beveled Bearing Plate B (Along & Beam) (See Note 7)