BEARING PLATES (TYPE 2) - PRESTRESSED FLORIDA-I AND AASHTO TYPE II BEAMS

NOTES:
1. Work this sheet with Index No. 20510 - Composite Elastomeric Bearing Pads, and BEARING PLATE DATA TABLE in the Structures Plans.
2. Embedded Bearing Plates A are required for all Florida-I beams. Beveled Bearing Plates B with Embedded Bearing Plates A are required for beams as scheduled in the BEARING PLATE DATA TABLE in the Structures Plans.
3. Bearing plate material shall conform to ASTM A36 or ASTM A509 (Grade 50 or 60). Headed Concrete Anchor Studs shall conform to Specification Section 530. Hot-dip 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, through Bearing Plate A only. Holes are not required in Plate A when Plate B is not required. Drill and thread holes perpendicular to Embedded Plate A and prior to plates being galvanized (ASTM A 123).
4. Provide Electroplated, Flat Countersunk Head Cap Screws in accordance with ASTM F 281. Electroplating shall be ASTM B633. SC 1, Type 1. Provide screws long enough to maintain a 1/2" minimum embedment into Embedded Bearing Plate A and Galvanized Cap. Provide steel Galvanized Caps with 5/8" Min. to 1 1/2" Max. height and nominal 1" inside diameter.
5. Include the cost of Bearing Plates in the pay item for Prestressed Beams.
6. For Pad Type and Dimension C, see the (BEARING PLATE DATA TABLE) in the Structures Plans. For Dimensions J, K1 and K2, see TABLE OF BEAM VARIABLES in the Structures Plans.
7. All details and dimensions shown are along \( \beta \) Beam. Positive Slope shown, Negative Slope similar.
8. Slope is determined along \( \beta \) Beam at \( \beta \) Bearing. See BEARING PLATE DATA TABLE in the Structures Plans for Slope.

LEGEND:
* 5/8 for Pad Type A, C & K
** 4" for Pad Type A, C & K at End 1
*** 4" for Pad Type A, C & K at End 2
1 1/2" Dia. End Welded, Headed Concrete Anchor Stud

DETAIL "A"

SIDE ELEVATION
WITH BEVELED BEARING PLATES
(Slopes > 2% along \( \beta \) Beam) (See Note 7)

END ELEVATION
WITH BEVELED BEARING PLATE

FDOT 2014
DESIGN STANDARDS

BEARING PLATES (TYPE 2) - PRESTRESSED FLORIDA-I AND AASHTO TYPE II BEAMS

INDEX NO.
20512

SHEET NO.
1 of 2
SIDE ELEVATION
WITHOUT BEVELED BEARING PLATES
(Slopes ≤ 0.5% along ℄ Beam) (See Note 7)

SIDE ELEVATION
WITHOUT BEVELED BEARING PLATES
(0.5% < Slopes ≤ 2% along ℄ Beam) (See Note 7)

* ½" for Pad Type A, C & K