1. Work this sheet with Index 400-510 - 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 A226 or ASTM A209 (Grade 36 or 30). Headed Concrete Anchor Studs shall conform to Section 502. Hot-dip galvanize 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 Embedded Plate A and prior to plates being galvanized (ASTM A 123).

4. Provide Electroplated, Flathead Cap Screws in accordance with ASTM F935. Electroplating shall be ASTM B633, 2C, Type 1. Provide screws long enough to maintain a ½" minimum embedment into Embedded Bearing Plate A and Galvanized Cap. Provide steel Galvanized Caps with ½" Min. to 1½" 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 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 Q Beam. Positive Slope shown, Negative Slope similar.

8. Slope is determined along Q Beam at Bearing. See BEARING PLATE DATA TABLE in the Structures Plans for Slope.

CROSS REFERENCE: See Sheet 2 for Detail "A".
Level Bearing Seat (Top of Substructure)

Bottom of Beam

Direction of Stationing

Composite Elastomeric Bearing Pad

1 1/2" Dia. x 2 1/2'
Anchor Studs

Embedded Bearing Plate A
1 1/2" x 1 1/2" x 3'-0"

Bottom of Beam

(See Note 8)

Sloped Bearing Seat (Top of Substructure)

See Structures Plans

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

* 1/2" for Pad Type K

CROSS REFERENCE:
See Sheet 1 for Notes.