GENERAL NOTES:

- These details accommodate skew angles up to 60°.
- Shop drawings for approved use required.
- These details assume standard girder end treatments as shown in view.
- Girder end skew angles in Table not applicable for flanged girders.
- See Table of Bearing Pad Dimensions for bearing size.
- Shop drawings for approved use required.
- Girder dowels & nominal bearings
- Beveled and embedded steel plates
- Permanently mark each bearing in accordance with the bearing layout. A copy of the bearing layout is to be provided to the Engineer.
- Cost of furnishing and installing elastomeric bearings must receive the same treatment as shown for abutments.
- For transition bents with backwall, girder and elastomeric bearings must receive the same treatment as shown for abutments.
- For transition bents with backwall, girder and elastomeric bearings must receive the same treatment as shown for abutments.
- Skew girder ends must be skewed to maintain the clearance between girder ends as shown in view.
- Skew girder ends when angle exceeds 0° on outside girder only or as shown.
- Required for outside girder only or as shown on substructure details.
- The actual center of bearing pad may vary from this line.

For purposes of compounding bearing seat elevation, nominal centerline of bearing must be defined as shown. The actual center of bearing pad may vary from this line.

See Table of Bearing Pad Dimensions for bearing size.

Concrete Girders. Must be included in unit price bid for "Prestressed Concrete Girders".

These details accommodate skew angles up to 60°. Shop drawings for approved use required. Girder end skew angles in Table not applicable for flanged girders. See Table of Bearing Pad Dimensions for bearing size. Permanently mark each bearing in accordance with the bearing layout. A copy of the bearing layout is to be provided to the Engineer. Cost of furnishing and installing elastomeric bearings, including beveled and embedded steel plates, must be included in unit price bid for "Prestressed Concrete Girders".
**RECTANGULAR BEARING PAD**

- Embedded plate, 1/2" thick
- Beveled plate
- Edge of girder and plates & slotted hole
- Bottom of beveled plate
- Surface against embedded plate
- 1/2" Dia screws and caps
- Hole locations must be rounded to match girdler plane
- 1 1/2" of beveled plate

**SOLE PLATE NOTES:**
- Provide constant thickness elastomeric bearings with beveled and embedded steel sole plates in accordance with these details when the girder slope exceeds 5% or if it varies as shown when necessary. Provide for all girders in the span.
- On the shop drawings, dimension sole plates to the nearest 1/6", except variation from a plane parallel to the theoretical top surface can not exceed 1/6". Provide for theoretical bearing surface tolerances noted in Item 424 apply to embedded and beveled plates.
- 1/2" Dia stud and cap screws must be electroplated, socket flat head countersunk cap screws conforming to ASTM F835. Electroplating must conform to ASTM B633, SC 2, Type I. Provide screws long enough to maintain a 1/4" minimum embedment into the embedded plate and galvanized cap. Provide galvanized steel caps (16 ga Min) with a nominal 1" inside diameter and provide for 1/2" Dia screws to accommodate the screws, but not less than 1/2" deep or deeper than 3".
- Provide constant thickness elastomeric bearings with beveled and embedded steel sole plates in accordance with these details when the girder slope exceeds 5% or if it varies as shown when necessary. Provide for all girders in the span.
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- For skewed girder ends, minimum clearance from screw or stud centerline to plate edge is 1 1/2".

**BEVELED PLATE DETAILS**

- Screw heads must not protrude below the bottom of the beveled plate.
- 1/2" Dia screws and caps, four required
- 1/2" Dia screws and caps, six required
- Level try seat
- Level try seat
- Edge of girder
- Normal bearing
- Edge of girder
- Normal bearing

**ELEVATION**

- End of girder
- Edge of girder
- Normal bearing
- Edge of girder
- Normal bearing

**DETAILS**

- Embedded plate, 1/2" thick
- Beveled plate
- Edge of girder and plates & slotted hole
- Bottom of beveled plate
- Surface against embedded plate
- 1/2" Dia screws and caps
- Hole locations must be rounded to match girdler plane
- 1 1/2" of beveled plate

**PLAN VIEW OF SOLE PLATE DETAILS**

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**ELEVATION**

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- Edge of girder
- Normal bearing
- Edge of girder
- Normal bearing

**DETAILS**

- Embedded plate, 1/2" thick
- Beveled plate
- Edge of girder and plates & slotted hole
- Bottom of beveled plate
- Surface against embedded plate
- 1/2" Dia screws and caps
- Hole locations must be rounded to match girdler plane
- 1 1/2" of beveled plate

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- Edge of girder
- Normal bearing

**DETAILS**

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- Beveled plate
- Edge of girder and plates & slotted hole
- Bottom of beveled plate
- Surface against embedded plate
- 1/2" Dia screws and caps
- Hole locations must be rounded to match girdler plane
- 1 1/2" of beveled plate

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**DETAILS**

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- Bottom of beveled plate
- Surface against embedded plate
- 1/2" Dia screws and caps
- Hole locations must be rounded to match girdler plane
- 1 1/2" of beveled plate