Multi-Directional Breakaway System for Standard Pipe
Stub Post

Notes:
1. Task vent aluminum base plate washers to the base when the base plate is fabricated from aluminum.
2. Use standard drawing D-754-4 for base plate, hinge plate, and foundation details.

Assembly Procedure:
1. Assemble post to stub with bolts and one flat washer between base plate and keeper plate.
2. Shim as required.
3. Tighten all bolts the maximum possible with 12" to 15" wrench to bed washers and shims to clean bolt threads, from foundation.
4. Retighten bolts in a systematic order to prescribed torque. (see table)
5. Loosen each bolt and apply thread locking liquid resin conforming to ASTM D5363-03 (2008). Fill gaps between thread and mating surface with thread locker to form solid, one part assemblies secure from vibration, pressure, and corrosion.
6. Retighten each bolt to prescribed torque in the same order as initial retightening.

Slip Base Orientation
Top View

Slip Post Connection - Type D
Elevation View
(Single Post)

Stub Post Detail
Top View

Direction of Traffic
Top of foundation
and finished grade

Base Data Table

<table>
<thead>
<tr>
<th>Bolt Size</th>
<th>Outside Post Dia.</th>
<th>Ball Circle</th>
<th>d</th>
<th>W</th>
<th>Throat Diameter</th>
<th>d - Silent</th>
<th>d - Silent</th>
<th>d - Silent</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2&quot;</td>
<td>4&quot;</td>
<td>7&quot;</td>
<td>1/16&quot; x 1/4&quot;</td>
<td>1/4&quot;</td>
<td>11/16&quot; x 1/4&quot;</td>
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<tr>
<td>5&quot;</td>
<td>5.625&quot;</td>
<td>9-1/2&quot;</td>
<td>1/16&quot; x 1/4&quot;</td>
<td>1/4&quot;</td>
<td>11/16&quot; x 1/4&quot;</td>
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Material:
- 1-1/4" x 4" Aluminum
- 1" x 4" aluminum or steel

Shim Detail

Finish 3 each x 0.12" thick and 3 each x 0.32" thick shims per post. Fabricate shims from base washers and stock or strip conforming to ASTM B61.

1. Assemble post to stub with bolts and one flat washer between base plate and keeper plate.
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Slip Base Orientation
Top View

Stub Post Detail
Top View

Direction of Traffic
Top of foundation
and finished grade

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