PLAN VIEW STEEL PILE CAP ASSEMBLY
(Bearing Plates and Bearing Keeper Bars not shown for clarity)

PARTIAL VIEW A-A

STIFFENERS (Typ.)

2 1/2" X 10" X 3/8" (Stiffener Plate)

2 4" X 10 1/2" X 3/8" (Stiffener Plate)

3/4" X 6 X 3/4" Slotted Hole in HP 12 X 24 Strut Beam (Typ. each end)

HP 12 X 74 (Strut Beam)

1 1/4" X 1/4" (Steel Pipe Cap Plate)

1 1/4" X 1/4" (Steel Pipe Cap Plate)

1/2" X 3/8" (Stiffener Plate)

1/2" (Steel Pipe Cap)

1" X 1/8" X 3/8" (Stiffener Plate)

4" X 10 1/2" X 3/8" (Stiffener Plate)

2 1/2" X 1/2" X 5/8" (Steel Pipe Cap)

1 1/2" X 1/8" (Hole Typ.)

4 1/2" X 4" X 4 1/2" (Steel Pipe Cap)

1" X 1/8" X 3/8" (Stiffener Plate)

VIEW B-B

VIEW C-C

STRUT CONNECTOR PLATE DETAIL

PILE TIP DETAIL

TEMPORARY DETOUR BRIDGE DETAILS
STEEL PIPE PILE FOUNDATIONS

2010 FDOT Design Standards

Sheet No. 21630
**Fixed Bearing Details**

**Partial Plan View**
- \( \frac{1}{4}'' \times \frac{1}{2}'' \) Fixed Bearing Keeper Bar (Typ.)
- \( \frac{3}{4}'' \) Steel Pipe Cap Plate

**Partial Elevation View**
- \( \frac{1}{4}'' \times \frac{1}{2}'' \) Fixed Bearing Keeper Bar (Typ.)
- \( \frac{3}{4}'' \) Steel Pipe Cap Plate
- 2-2'' 8 x \( \frac{1}{2}'' \) x 5'-0'' Steel Pipe Cap
- 24'' Ø Steel Pipe Pile

**Note:**
Use Shim Plates as required to provide equal bearing seat elevations across the bent. Vary thickness of Shim Plate across the pile cap plate to provide a level bearing area in the transverse direction.

**End View**
- \( \frac{1}{4}'' \) Steel Pipe Cap Plate
- 2-2'' Ø x \( \frac{1}{2}'' \) x 5'-0'' Steel Pipe Cap
- 24'' Ø Steel Pipe Pile
ABUTMENT AND INTERMEDIATE EXPANSION BEARING DETAILS

PARTIAL PLAN VIEW

PARTIAL ELEVATION VIEW

Note:
Use Shim Plates as required to provide equal bearing seat elevations across the bent. Vary thickness of Shim Plate across the pile cap plate to provide a level bearing area in the transverse direction.