**NOTE:** Field measure distance to holes on concrete transition.

8 - 3/4" Ø x 1'-0" long round head bolts in 7.8" ø holes. (4 ea. rail) Holes are to be slotted as required for expansion.

**DETAIL A**
(Plan view of both rails)

**ELEVATION**

- Tack weld 4 1/2" x 4 1/2" x 1/8" plate to TS (fillet weld or each side of plate);
- 3/4" x 9" long round head bolts in 7/8" ø holes. (Typ.);
- 5/8" x 1'-1" long bolts or threaded rods embedded 10" in concrete raling;
- Nuts with one hardened steel washer per nut.

**NOTES:**
1. All chamfered edges shall be 1".
2. Intermediate railing splices shall be placed every 20 ft. with center of connection at span quarter points.
7. All reinforcing bars designated "E" shall be epoxy coated.

**INDIANA DEPARTMENT OF TRANSPORTATION**

**RAILING, PF-2**

**SEPTEMBER 2011**

**STANDARD DRAWING NO.** E 706-BRPP-02

/s/ Richard L. VanClave 09/01/11

/s/ Mark A. Miller 09/01/11