**LA TYPE B BARRIER (SBC)**

- Recess barrier to permit free movement of plate on vertical leg
- No weld required after concrete has set.
- 4'-0" cts. Remove bolt tapped for 3/8"Ø flat head stove bolt at abt. 7/16"Ø Hole countersunk
- Plate 6" x 5/8" with 5/8" Vertical Plate
- 2" x 1" in angle
- Slotted in roadway plate

**RA TYPE D BARRIER**

- Bevel free end of angle.
- Plate 12" x 7/8" with 7/8" Roadway Plate
- Angle 8 x 6 x 5/8
- Plate 6" x 5/8"

**RA TYPE B BARRIER (SBC)**

- Shear Connector Studs (Spaced alternately at about 9" cts) (Typ.)
- 3/4"Ø x 6" Long Welded Shear Connector
- 1/2" Bent
- 3 Welded Shear Connector

**PART ELEVATION**

- Effective: July 2020
- Supersedes: Apr. 2020

**GENERAL NOTES**

- Grade 36 structural steel. Anchors for the expansion plate shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of at least 4 mils.
- The inorganic zinc primer shall be nondestructively tested by an approved method.
- Field Welding of the expansion plate shall be done in accordance with procedures approved by the District Engineer and with welds nondestructively tested by an approved method.
- Installation gap adjustment for temperatures normal to joint.
- Check and review locations of plotted gussets to ensure gusset and expansion reinforcement.

**CONTRACT ID.**

J E F F E R S O N  C I T Y , M O  6 5 1 0 2

**JOB NO.**

FLAT PLATE EXPANSION DEVICE AT INT. BENT NO.

**PART PLAN OF PLATE AND VERTICAL PLATE**

**PART PLAN OF ANGLE AND BAR**

**SECTION THRU DEVICE**

**SECTION AT INTERMEDIATE BENT**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**SECTION E-E**