NOTES:
1. Close the top end of each rest posts with a 4½-inch diameter by ½-inch thick steel plate formed to fit and welded in place.
2. Paint gates and posts, alternating black and reflectorized white 4-inch stripes at 45°, as directed by CO.
3. Galvanize all metal parts.
4. Furnish concrete conforming to Section 601.
5. Mount one "RAMP CLOSED" sign on the gate as shown.
6. The contractor may propose alternate designs for the adjustable gate post base, breakaway gate post, or breakaway gate connection. Submit alternate designs to the CO for written approval at least 3 weeks before the applicable work.

STATE PROJECT SHEET NUMBER

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LAND HIGHWAY

SPLHD DETAIL METAL GATE WITH BREAKAWAY SUPPORTS, 28-FOOT WIDTH Sheet 1 of 2

DETAIL E619-13

APPROVED: MAY 2011 REVIEWED: SEPTEMBER 2010

CROSS-SECTIONAL VIEW

RAMP CLOSED

GATE AND ROAD

1 ½" x 3" Slot for eye bolt

SECTION A-A (TOP HANGER)

1 ½" Dia. 1/2" x 4" Plate

Round pipe end at shown

R = 1 ½"

1/2" x 4" Plate

1/2" Dia.

Weld

5/8"

1/2"

1 ½" Dia.

1 ½" x 3" Slot for eye bolt

1/2" x 5" Machine bolt

1/2" Galv. pipe cap

Std. 4" Galv. iron pipe

Std 2½" Galv. iron pipe

Weld

10'-0"

8'-0"

6'-0"

3'-0"

1'-1"

10'-0"

3 ½" Holds (typ.)

4"

5/8"

2"

2½" Dia.

1 ½"-10 NC-2

1/2" Dia.

Welded metal box

1 ½" x 3" Long eye bolt with ½" eye

Welded metal box

1 ½" x 3" Long eye bolt with ½" eye

Split section of 3" PVC pipe, 1'-6" long, for breakaway gate connection

VIEW B-B

SECTION C-C

3 - ½" Dia. bolts with washers & nuts

2½" 2½" 2½" 1½"

1 ½" 2"

2½" 1½"
NOTE:
Provide washer contact areas for slip bases which are free of burrs, galvanizing runs or beads, or rough edges. Rub washer contact areas with paraffin immediately prior to the installation of slip bases.