Holes

2" Slotted Holes
LOWER POST-TO-GIRDER CONNECTION

2" Bent PLATE-TO-DECK CONNECTION

STATE

Sheet No. of

THRIE4b_system4_details    Effective: Mar. 2018     Supersedes: May 2013

(2) - 1" A449 High Strength Threaded Rod snug tight & embedded 8 inches in slab

- 1 1/4" Hole in bent plate

- Hex Nut and Hardened Locking Washer

- 3/4" A449 High Strength Threaded Rod

- 1" Hole in inside post flange and both

- 7/8" (Min.) Drilled Hole in girder or

- 1 1/16" Hole in washer plate and bent plate

- 1 1/16" x 1 1/2" Vertical Slotted Hole in both post flanges

- 1" A325 High Strength Bolt with hex nut and hardened washer

(3) - 1" x 6" x 4" Wedge Bracket

snug tight and embedded 5 inches in girder as recommended by manufacturer

Typ.)

16" 8"

Post

1/4" Post Stiffener

(Grade 36)

(4) - " Bent Plate

Typ.)

3" 6"... X"

SECTION C-C

Typ.

1/4" WASHER PLATE

Typ.

1"

... X"

OPTIONAL LOWER SIDE VIEW

2"

3..."

4"

Typ.

1/4"

1/4"

Typ.

Typ.

2 "

1""

4 "

1 1/2" Vertical Slotted Hole in both post flanges

1 1/16"

Wedge Bracket

- 1 1/16" x 1 1/2" Vertical Slotted Hole in both post flanges

- 1" A325 High Strength Bolt with hex nut and hardened washer

(6) Three 1/2" x 6" x 4" Wedge Bracket

(5) - 1/2" Coped Corners

-TYP.

3"

1 1/2"

Typ.

6"" X"

SIDE VIEW

3..."

2 "

Typ.

Typ.

Typ.

Typ.

2 ~ 3"

+ Overlay Depth

ELEVATION OF RAIL

3"

2 "

Cap Rail Angle

3"

Typ.

1"

Typ.

1"

Cap Rail

2 1/2" Face

Roadway

3"

Typ.

1"

Typ.

Typ.

2 1/2" Face

Expansion Cap Rail Angle

3"

Typ.

1"

Typ.

Typ.

Expansion Cap Rail Angle

3"

Cap Rail Angle

2 1/2" Face

Roadway

3"

Typ.

1"

Typ.

Typ.

Expansion Cap Rail Angle

3"

Cap Rail

2 1/2" Face

Roadway

Shim plates shall be galvanized after multiples.

Shim plates may vary in thickness from 1/16 inch to the thickness required, and may be used in connection as required for horizontal alignment.

Shim plates 6 x 3 x 1/16-inch may be used between the W6x20 post and 1/2-inch bent plate connection as required for horizontal alignment.

Replace with below notes in combination with drawing THRIE 4D.