FOR MAINTENENCE PURPOSES ON EXISTING BRIDGE CONNECTIONS ONLY.

BOLTED BRIDGE CONNECT.
OLD TYPE C & D θ = 0°
SECTION A-A

NOTE:
Place 1/8" elastomeric (or equivalent) pad to cover entire surface area between steel/aluminum sections (Typ.)

DETAIL A

NOTE:
- 3" x 2 1/2" x 3/8" x 0' - 2 X 1/2" (Steel)
- 3" x 2 1/2" x 3/8" x 0' - 2 X 1/2" (Steel)
- 1/4""
- 2 1/2" x 1 3/8"
- W21x44
- 3/8" Pair clip
- 1/2" B
- 3/8" B
- 5 1/2" 3/4" For 5WF 5.37 alum. col.
- 5 1/2" for 6WF 7.85 alum. col.
- 2 1/2" 1 3/8"
- 2 1/2" 1 3/8"

SECTION B - B

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COLUMN SELECTION PROCEDURE:

1.) Determine B using the longest required column. (B = 0" min)
2.) \( L_b = \frac{1}{2} \) of the distance between the top of the sign and the top clip angle bolt
\( L = \frac{1}{2} (h + b - 2.0) \)
3.) Determine the sign area. (sq. ft.)

NOTES:

1. All bolts shall be galvanized high strength bolts (ASTM A-325). (Unless otherwise noted) all bolts, nuts and washers shall be hot dip galvanized according to ASTM A-153. Nuts shall be tapped 0.015 oversize.
2. All alum. components shall be 6061-T6 alum. alloy. All steel components shall be A-36 and shall be hot-dip galvanized according to ASTM A-123.
3. Sign location may be shifted to avoid joints or stiffeners.
4. Bottom edge of sign shall be horizontal when erected and shall be a minimum of 1'- 6" above the lower bridge beam flange at all points.
5. Type C connection denotes a two-bracket sign connection.
6. Type D connection denotes a three-bracket sign connection.
7. Sign connections to mounting support columns shall have the same bolt arrangement as shown for connections for sign to mounting supports for cantilevers and trusses. (Typical Plan VIII-700)

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