ALTERNATE REINFORCING (WELDED WIRE REINF.) DETAILS

NOTE: Place wire panels to minimize the end overhang. End overhangs greater than 4 1/2" are not permitted.

1 1/2" x 1/8" Hole (Centered)

BAR 4P
BAR 4S

PLATE WASHER DETAIL

Curb Reinforcing Steel Notes:
1. All dimensions in the bending diagrams are to the nearest 1/8".
2. The reinforcement for the curb on a retaining wall shall be the same as detailed for an 8' deck.
3. All reinforcing steel at the open joints shall have a 2" minimum cover.
4. Bars 4P and 4R may be continuous or spliced at the construction joints.
5. For the open joints on a retaining wall, the 8" x 8" x 3" ASTM A577 shall conform to ASTM A497.

DETAI A" - SECTION AT INTERMEDIATE OPEN JOINT

NOTE: At Intermediate Open Joints, the lower 5" portion of the open joint shall be plugged with a NPS 40 and in Section 400 of the Specifications.

OPENS 6" #6

DETAIL "BI" - EXPANSION JOINT (FIELD SPLICE SPR JOINT SIMILAR)

# At the Contractor's option 2 - 3/8" x 1/8" Pan Head Aluminum (Alloy 2024-T4 or 7075-T6)

5/8" x 5/8" Long Set Screw with Plate Washers

2 - 3/8" x 1-2" Anchor Bolts with Set-Locking Nuts and Flat Washers under Nut, Plate Washer under Head

DETAIL "AI" - SECTION AT OPEN JOINT (NEWLY DEVELOPED FOR BRIDGE APPLICATIONS)

NOTE: All dimensions in the bending diagrams are to the nearest 1/8".

1. Corrugated Steel, 12 gauge, with a 2" minimum cover.

2. All reinforcing steel at the open joints shall have a 2" minimum cover.

3. Bars 4P and 4R may be continuous or spliced at the construction joints.

4. The reinforcement for the curb on a retaining wall shall be the same as detailed for an 8' deck.

SCHME 3 - SIDE MOUNTED SUPPORT BRACKET DETAILS

BRIDGE PICKET RAILING NOTES:

APPLICATIONS: NOTE: Bridge Picket Railing is limited to use on bridges with an expansion joint or an expansion joint that has been removed to an extent of 50% (Scheme 3) is limited to bridge retrofit applications where additional sidewalk width is required.

RAILING DETAILS: For Railing fabrication and installation details and notes see Index 860. Except not railing shall be fabricated and installed in accordance with the Profile Grade longitudinally and vertically.

CONCRETE CURB (Scheme 3): Construct concrete curb vertical with the top surface finished level and transversely. Concrete curb shall be the same as the bridge deck.

SIDE MOUNTED SUPPORT BRACKET (Scheme 3): 1. Stope and Stainless Steel Plate shall be in accordance with ASTM B209, Alloy 630, and the American Society of Structural Engineers Code for Aluminum (Aluminum). (1/2"x2"x6"x9")

NPT (Sch. 40) for rebar

NI (Sch. 40) for hands

P 4 2" 0 (%)

4/5" or #17 Bar (Longitudinal Wire)

WELDED WIRE REINFORCEMENT (WWR)

REINFORCING STEEL (Between WWR Sections)

BILL OF REINFORCING STEEL

MARK

SIZE

LENGTH

P

4

2" 0"

S

4

4 1/2"

4 1/2" Read

CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

CONCRETE CURB QUANTITIES (SCHEME 3)

ITEM

UNIT

QUANTITY

Concrete

15/GY

0.1124

Reinforcing Steel

18/GY

4.01