Notes:

1. Shop Drawings are required.
2. Work this Index with Index 515-062 Aluminum Bicycle/Pedestrian Railing Details and Specification Section 515. Refer to the IDS for Design Criteria and Limits of Use.
3. Materials:
   A. Galvanized Steel Fasteners: Hex Head Bolt ASTM A307, Hex Nuts ASTM A563, Washers ASTM F436
   B. Aluminum:
      a. Support Bracket (Scheme 3): L-shape and Stiffener Plate: ASTM B209, Alloy 6061-T6
      b. Bottle-guard (Schemes 1 & 3): L-shape: ASTM B209, Alloy 6061-T6 or 6063-T5
      c. Concrete: Same as bridge deck
   D. Pre-cured Silicone Sealant: Specification Section 932
   E. Bearing Pads: Provide ¾" thick Plain, Fabric Reinforced or Fabric Laminated pads meeting the requirements of Specification Section 932 for Ancillary Structures.
4. See Structures Plans, Superstructure Sheets for bridge information including concrete type, deck expansion joint locations and orientations, and thermal movement.
5. Railings:
   A. For thermal movement greater than 4" (up to a maximum of 5"), clear opening between adjacent pickets, or panels at Rail Expansion Joints above Deck Joints must be reduced to 3½".
   B. For treatment of railings on skewed bridges see Index 521-427.
6. Curbs:
   A. Match open curb joints at Deck Expansion Joint locations to the deck joint dimension.
   B. Construct Concrete Curb (Scheme 2) vertical with the top surface finished level transversely.
   See Concrete Curb Details Sheet 3.
   C. Provide ½" intermediate open joints in curbs coinciding with the ¾" joints in the traffic railing.
7. Payment: Support Bracket (Scheme 3) is incidental to the cost of railing. Curb concrete and reinforcing steel (Scheme 2) are included in the bridge deck quantities.

** Notes:**
* Deck Joint at Begin or End Bridge shown.
** SHBR — Special Height Bicycle Railings
PBR — Pedestrian/Bicycle Railings

** Index 515-062 Railing shown, see Contract Plans for actual railing continuation or termination.**
Traffic Railing required for all Schemes (Type Varies, 36” Single Slope shown, see Plans)

Index 515-062, Pedestrian/Bicycle Railing (Aluminum)

Bottle-Guard (See Detail on Sheet 3)

Bridge Deck Sidewalk Slope 2% Max. (away from Drop-off)

See Sheet 1 for Bridge Railing Notes.

CROSS REFERENCE:

1 1/8” Ø x 3” Bolt with Hex Nut, Flat Washer under Nut and Plate Washer under Head

1/4” Ø Hole for Anchor Bolts

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