



- ## GENERAL NOTES
1. Material for posts, bases, rails, and rail clamps shall be ASTM B221, Aluminum Alloy 6061-T6.
 2. Washers shall be ASTM B209 Alclad 2024-T3 and nuts shall be ASTM B211, Aluminum Alloy 6061-T6.
 3. Anchor bolts shall be ASTM A320, Type 1 Class B8. Top nuts shall be Aluminum thick nuts ASTM B211 Alloy 6061-T6 Class 2 thread. Bottom nuts shall be ASTM A148.
 4. Dam Plates shall be used to close all open railing ends. Material shall be ASTM B209 Aluminum Alloy 6061-T6. As an alternate, drive-in end caps may be used. Caps shall be aluminum alloy sand mold castings complying with ASTM B26, Alloy SG 356.0-T6.
 5. End caps should be welded to the rails.
 6. Where necessary for post alignment, Aluminum Alloy shim material shall be used where required by the Engineer. Shim material shall be ASTM B209, Alloy 7100-0.
 7. Paint underside of base with a heavy coat of Non Aluminum Epoxy Mastic Primer.
 8. All anchor bolt holes and spaces between base plates and concrete shall be thoroughly caulked with a cold-poured joint sealer conforming to Subsection 914.02 of NJDOT Standard Specifications, joint material ASTM D 5893, Type NS.

2-RAIL ALUMINUM RAILING

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

BRIDGE CONSTRUCTION DETAILS