GUIDE RAIL ATTACHMENT TO FOOTING

GUIDE RAIL ATTACHMENT TO SIDEWALK

SECTION A-A

SECTION B-B

NOTES:
1. STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36 AND SHALL BE GALVANIZED PER ASTM A123.
2. STEEL BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325 UNLESS DESIGNATED AS HIGH STRENGTH. HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, HARDWARE AND SHALL BE GALVANIZED PER ASTM A123.
3. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
4. FOR GUIDE RAIL ATTACHMENT TO FOOTING DETAIL, HIGH STRENGTH BOLTS FOR BASE PLATE ANCHORING SHALL BE FULLY THREADED AND INSTALLED IN MANDAL CASES. BOLTS CEMENTED IN MANDAL CASES SHALL BE EXERCISED TO AVOID DAMAGE TO EXISTING REINFORCEMENT AND CONFORM TO A MINIMUM EMBEDMENT LENGTH SHALL BE 4X BOLTS SHALL BE EPOXY GROUTED IN PLACE PER MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE A MINIMUM PULLOUT STRENGTH OF 24000 POUNDS AT THE CONSTRUCTION SITE, AS CERTIFIED BY THE CONTRACTOR.
5. FOR GUIDE RAIL ATTACHMENT TO FOOTING DETAIL, HIGH STRENGTH BOLTS FOR THE BASE PLATE ANCHORAGE MAY BE CAST IN PLACE IN FRESH CONCRETE WITH A MINIMUM EMBEDMENT LENGTH OF 20".
6. WELDING OF POSTS TO BASE PLATE SHALL CONFORM TO THE ANSI/AASHO/ AASHTO AMD 0-6 BRIDGE WELDING CODE.
7. GARDEN STATE PARKWAY ELEMENTS AND POSTS ARE TO BE WEATHERING STEEL AND NOT DIP GALVANIZED. NO WELDING OR OTHER PROPOSED GROUND LINE. REFER TO STANDARD SPECIFICATIONS.
8. WHEN CONFIGURATION OF BRIDGE ABUTMENTS AND MINORARMS DO NOT ACCOMMODATE THE INSTALLATION OF POST 1. THE POST MAY BE ATTACHED TO THE ABUTMENT HEADER WITH THE USE OF A BASE PLATE.
9. USE "BEAM GUIDE RAIL BRIDGE" ITEM IF SIDEWALK IS ON A STRUCTURE. USE "BEAM GUIDE RAIL BRIDGE" ITEM AND SIDEWALK SHALL BE MIN. 8 INCHES THICK.

PEDESTAL HEIGHT VERTICAL REINFORCEMENT STEEL STIRRUPS

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<thead>
<tr>
<th>PEDESTAL HEIGHT</th>
<th>VERTICAL REINFORCEMENT STEEL</th>
<th>STIRRUPS</th>
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<tbody>
<tr>
<td>1'-3&quot; TO 2'-6&quot;</td>
<td>#5</td>
<td>2 - 4</td>
</tr>
<tr>
<td>2'-7&quot; TO 3'-6&quot;</td>
<td>#5</td>
<td>3 - 4</td>
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<tr>
<td>3'-5&quot; TO 4'-0&quot;</td>
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<td>4 - 4</td>
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NEW JERSEY TURNPIKE AUTHORITY

BEAM GUIDE RAIL ATTACHMENTS - 1

OFFICE OF THE CHIEF ENGINEER

2009 STANDARD DRAWING

GR-10

CONTRACT NO.

SHEET NO.

OF