GARDEN STATE PARKWAY

VIERENDEEL SPAN TYPE SIGN STRUCTURE (SPANS FROM 91 TO 106 FEET)

SECTIONS AND DETAILS - 3

NEW JERSEY TURNPIKE AUTHORITY

1. ELEVATION "W" SHALL BE A MINIMUM OF 4'-0" ABOVE THE HIGH POINT OF THE ROADWAY CROSS SECTION AND SHALL BE THE SAME FOR BOTH PEDESTALS OF EACH STRUCTURE.

2. ANCHOR RODS SHALL BE HIT-SHIP GALVANIZED AS PER ASTM SPECIFICATION A544, CLASS 2, AFTER BEING THREADS. ALL NUTS AND WASHERS SHALL ALSO BE GALVANIZED.

3. A SINGLE ANCHOR ROD TEMPLATE FABRICATED OF 3/4" THICK STRUCTURAL STEEL (LETHA A36 GRADE 30) SHALL BE FURNISHED FOR EACH OVERHEAD STRUCTURE. ANCHOR RODS SHALL BE ATTACHED TO THE TEMPLATE FOR SIMULTANEOUSLY ALIGN THE RIGHT-Hand ANCHOR ROD PRIOR TO MOUNTING THE CONCRETE PEDESTAL. STRUCTURAL ANGLES (LETHA A36 GRADE 30) SHALL BE USED, AS NECESSARY TO STEEPEN THE TEMPLATE AND ASSURE THAT THE BOLT PATTERNS ARE ALIGNED PROPERLY. THE ANCHOR RODS SHALL BE PLACED IN BASE PLATE HOLES. BASE PLATES, NUTS, WASHERS, BOLTS, PIN, ANGLES, MID-LEVEL CONNECTIONS, AND MISC. ITEMS SHOWN SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN STRUCTURE.

4. FULL-PERFORATION WELDED COLUMN TO BASE PLATE CONNECTION WITH THE BENDING RING ATTACHED TO THE PLATE WITH A CONTINUOUS FILLET WELD AROUND THE INTERIOR FACE OF THE BENDING RING. THE BENDING RING SHALL BE 3/8".

5. EXPANDED METAL FENCE SHALL BE ANCO "SECURITY FENCE" MODEL, NO. 4G50 1.5"H, GALVANIZED IN ACCORDANCE WITH ASTM A123, AND AS MANUFACTURED BY ANCO.

6. CLIP ANCHOR PLATE IN FIELD AS REQUIRED TO CLEAR VERTICAL REINFORCEMENT.

7. ALL MERV HOLES SHALL BE COVERED WITH GALV. OR 3.5" X 3.5" MESH SCREENS.

8. FOR LIMITS OF SUBSTRUCTURE MEMBRANE WATERPROOFING ON REINFORCED CONCRETE PEDESTAL SEE STANDARD DRAWING SI-10.

9. 3" CONCRETE BURST EXITS PEDESTAL 1" BELOW GRADE AND CONNECTS TO AN ADJACENT JUNCTURE BOX. SEE STANDARD DRAWING SI-40 FOR JUNCTURE BOX DETAILS. CONCRETE BURST SHALL BE INSTALLED WITH BAGGIES AND PLUGGED TO PROTECT THE THREADS. THE CONCRETE BURST GROUND PLUG TO NEED TO BE INSTALLED BY THE RIGHT SIDEWALK SIDE(S) OF THE ROADWAY, AT ALL OTHER LOCATIONS PROVIDE A 2" BOLTED MERV HOLES.

NEW JERSEY TURNPIKE AUTHORITY

WOODRIDGE  NEW JERSEY

OFFICE OF THE CHIEF ENGINEER

2010 STANDARD

DRAWING SI-34

CONTRACT NO. CF

SHEET NO. 01