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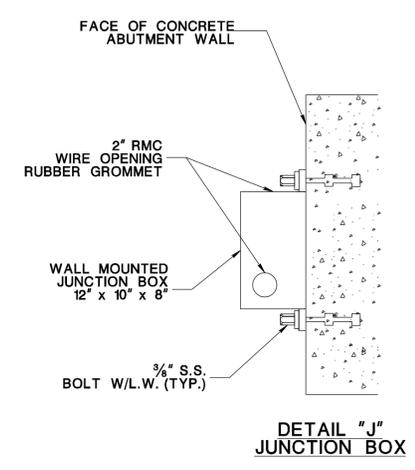
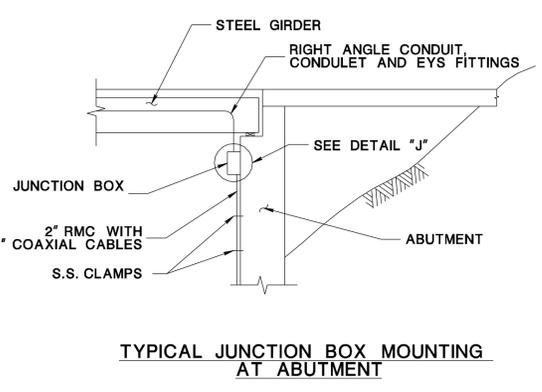
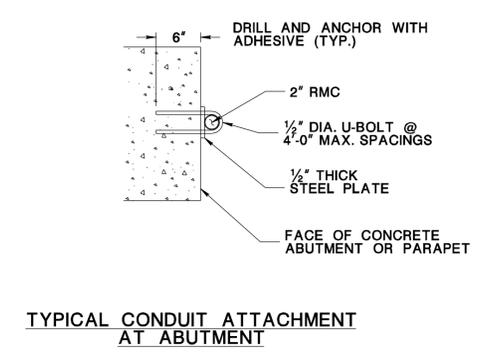
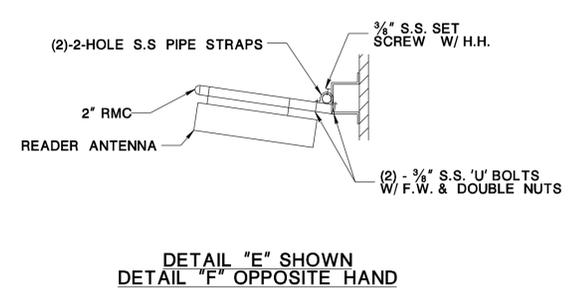
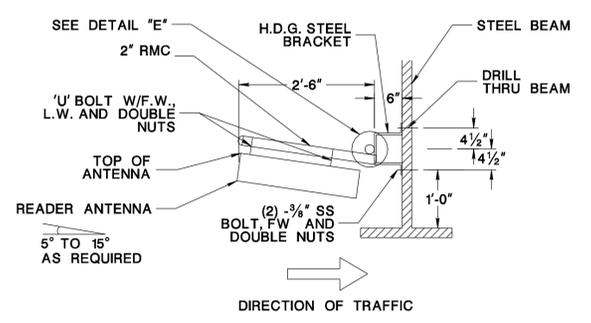
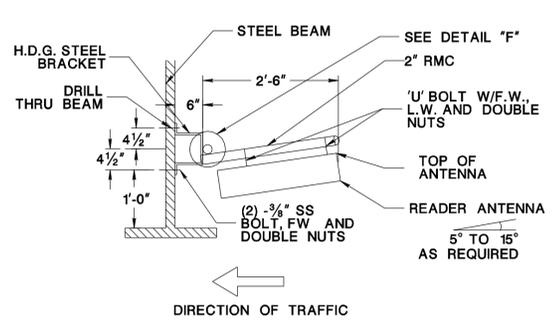
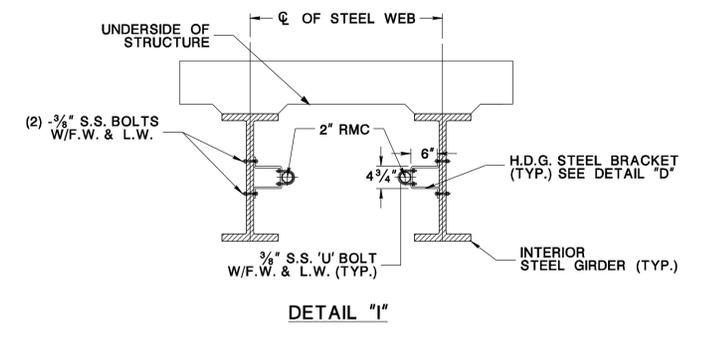
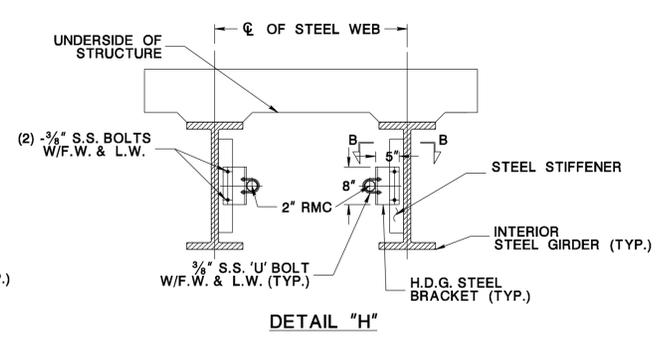
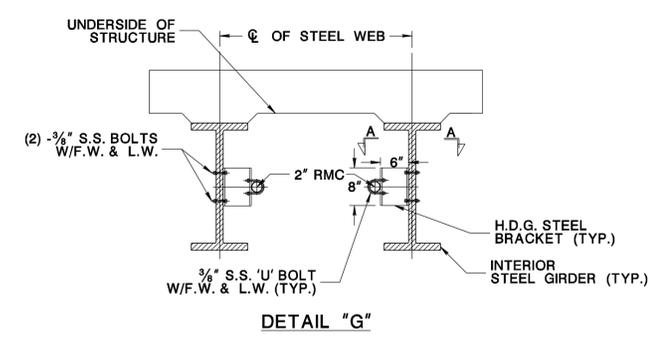
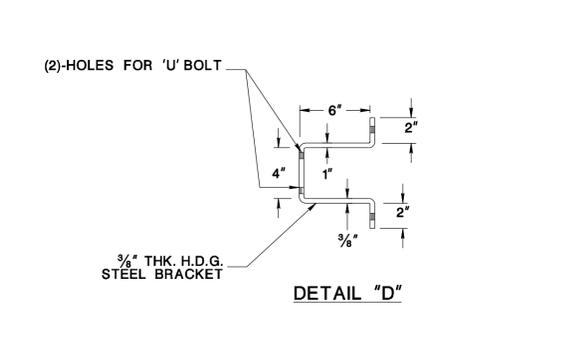
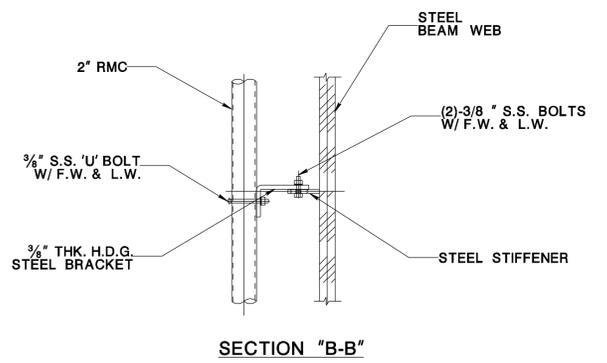
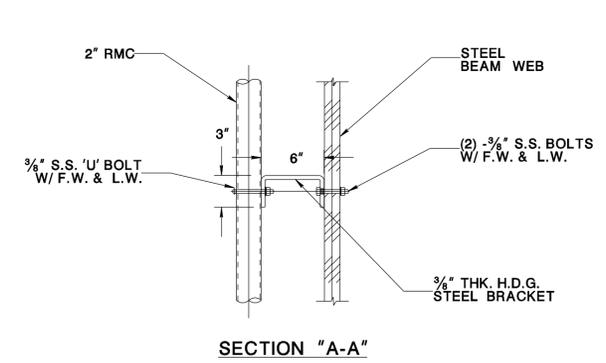
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NJDOT Design Services

BDC-110-03 MISC. CHANGES
BDC-07D-03 - ORIGINAL SHEET

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- NOTES:
1. ENSURE ALL FASTENERS, INCLUDING BOLTS, U-BOLTS, NUTS AND WASHERS ARE STAINLESS STEEL AND CONFORMS TO ASTM SPECIFICATION A320, GRADE B8, CLASS 2 (ANSI TYPE 304) WITH NO. 4 FINISH, AND STRAIN HARDENED.
 2. ENSURE ALL SUPPORT MEMBERS, PLATES AND SHAPES ARE GALVANIZED. AFTER COMPLETE FABRICATION, HOT-DIP GALVANIZE EACH STEEL SUPPORT ASSEMBLY CONFORMING TO THE REQUIREMENTS OF AASHTO M270 (ASTM A709) GRADE 50W.
 3. WELDING IS NOT PERMITTED TO INSTALL THE TRANSMIT EQUIPMENT ON THE BRIDGE STRUCTURE.
 4. THE DETAILS FOR CONDUIT SUPPORT BRACKET SHOWN ON THIS SHEET ARE CONCEPTUAL. SURVEY EACH TRANSMIT SITE AND SUBMIT SHOP DRAWINGS TO TRANSCOM FOR APPROVAL BEFORE SEEKING APPROVAL FROM NJDOT.
 5. FIELD VERIFY EXISTING STRUCTURE CONDITIONS AND DIMENSIONS RELATIVE TO PROPOSED CONDUIT SUPPORT LOCATIONS PRIOR TO FABRICATION AND CONSTRUCTION.
 6. ADJUST THE READER ANTENNA MOUNTINGS AND POSITION THE READER ANTENNAS SUCH THAT THE MINIMUM VERTICAL UNDER CLEARANCE IS NOT LESS THAN THE EXISTING CONDITIONS. NO CUT IN THE EXISTING STRUCTURE OR PAVEMENT IS ALLOWED TO AVOID REDUCING CLEARANCE.
 7. MOUNT READER ANTENNAS WITH WEEP HOLE POSITIONED TO PERMIT CONTINUOUS MOISTURE DRAINAGE.
 8. ENSURE MAXIMUM SPACING BETWEEN ADJACENT CONDUIT SUPPORTS IS 4 FEET UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 9. POSITION THE PROPOSED CONDUIT SUPPORTS SUCH THAT THE VERTICAL UNDER CLEARANCE IS NOT LESS THAN THE EXISTING CONDITION.
 10. FURNISH AND INSTALL APPROVED EXPANSION JOINT FITTINGS ON BRIDGES AND OTHER STRUCTURES, AT LOCATIONS WHERE CONDUITS CROSS OVER EXPANSION JOINTS. FURNISH AND INSTALL EXPANSION FITTINGS AS RECOMMENDED BY THE MANUFACTURER. SUBMIT CONDUIT EXPANSION JOINT SPACING TO THE ENGINEER FOR APPROVAL.
 11. LABEL ALL CONDUIT RUNS AND JUNCTION BOXES WITH WEATHERPROOF MARKER TAPE INDICATING THE PURPOSE AND VOLTAGE. LABEL CONDUIT RUNS EVERY 50'-0" AND AT WALL PENETRATIONS.
 12. INSTALL ALL WIRING (POWER, AND COMMUNICATIONS, ETC.) IN GALVANIZED CONDUITS. CONDUIT SIZE AS INDICATED.
 13. ENSURE ALL CONDUITS, EYS FITTINGS AND CONDULETS ARE GALVANIZED.
 14. PLACE ALL U BOLTS SHOWN AS DRILL AND ANCHOR WITH ADHESIVE IN A CORE DRILLED HOLE WITH A DIA. 1/8" WIDER THAN THE U-BOLT AND ANCHORED WITH APPROVED ADHESIVE ANCHOR SUCH AS "HILTI HVA ADHESIVE ANCHOR".
 15. AVOID CONFLICTS WITH THE STRUCTURAL STEEL COMPONENTS OF THE BRIDGE, INCLUDING THE EXISTING ABUTMENT WALL REINFORCEMENTS WHEN DRILLING FOR PLACEMENT OF ANCHOR BOLTS. PRESERVE THE STRUCTURAL INTEGRITY OF THE BRIDGE COMPONENTS.

NOT TO SCALE

ITS-704-19

NEW JERSEY DEPARTMENT OF TRANSPORTATION

ITS DETAILS

TRAVEL TIME SYSTEM
TTS DETECTOR TYPE A

SHEET 2 OF 2



TYPICAL OVERPASS/ BRIDGE INSTALLATION