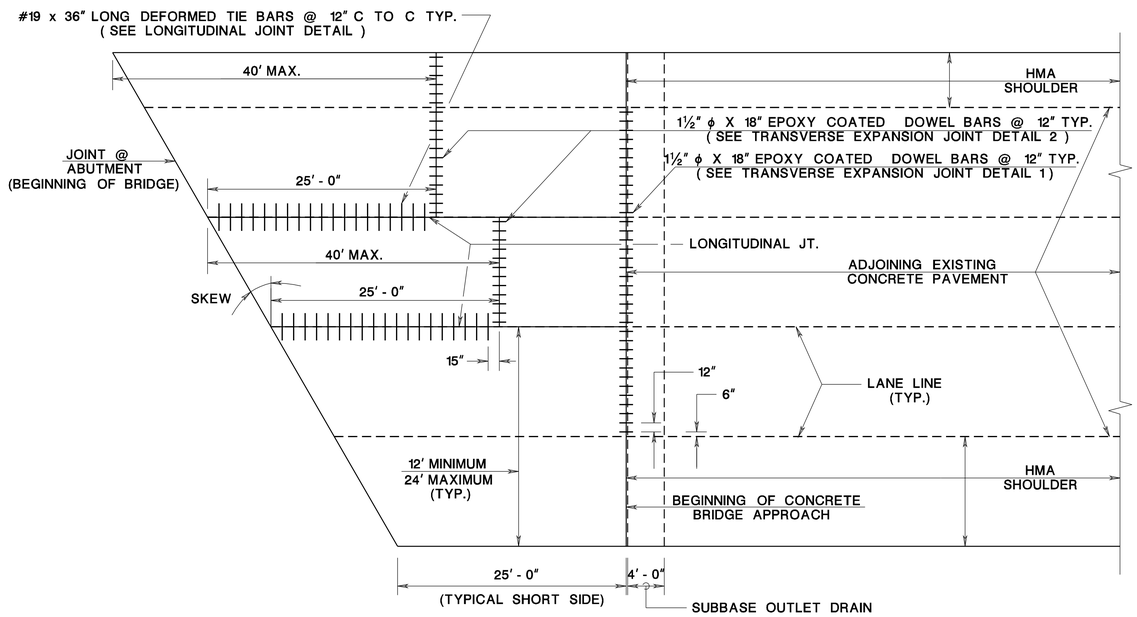
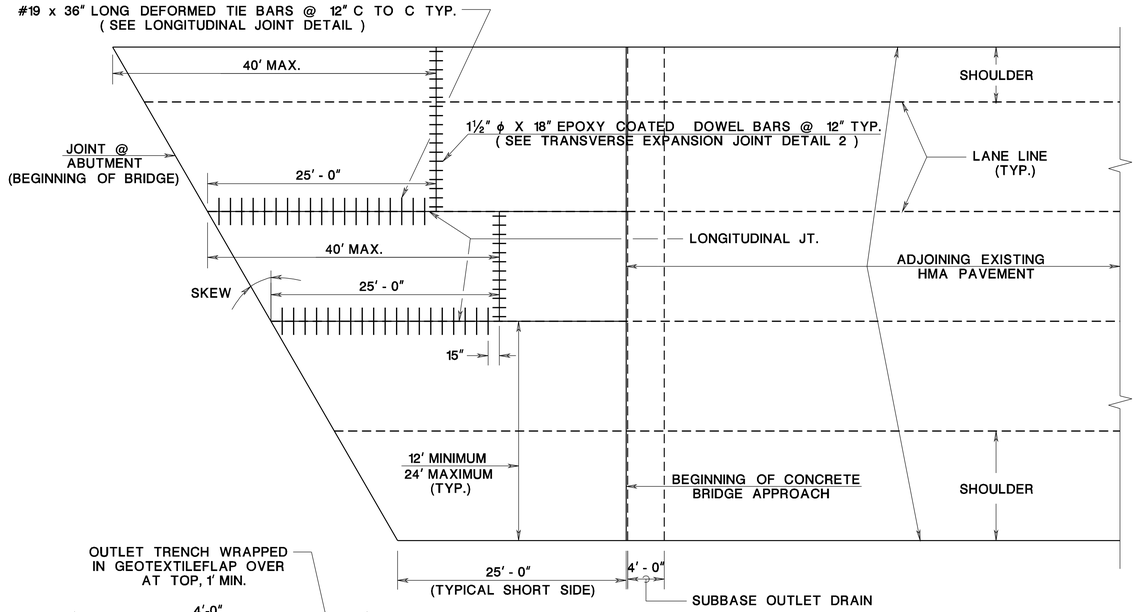
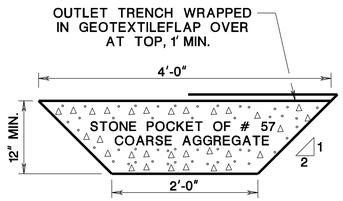


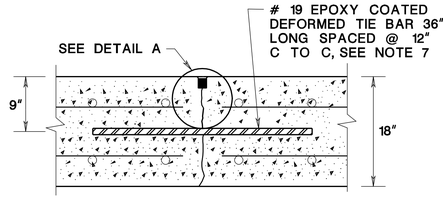
CONCRETE BRIDGE APPROACH ADJOINING CONCRETE PAVEMENT



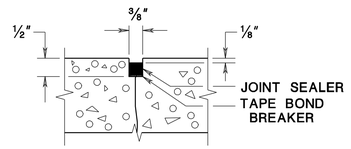
CONCRETE BRIDGE APPROACH ADJOINING HMA PAVEMENT



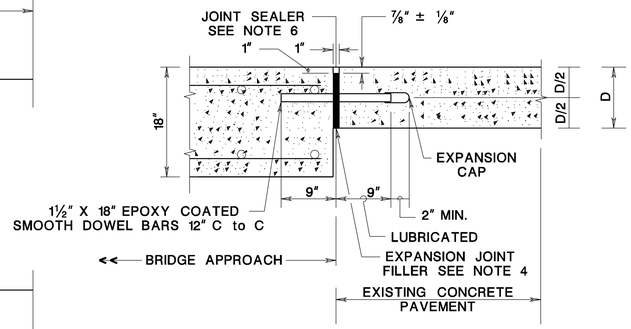
SUBBASE OUTLET DRAIN



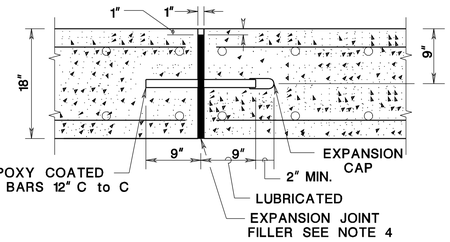
LONGITUDINAL JOINT



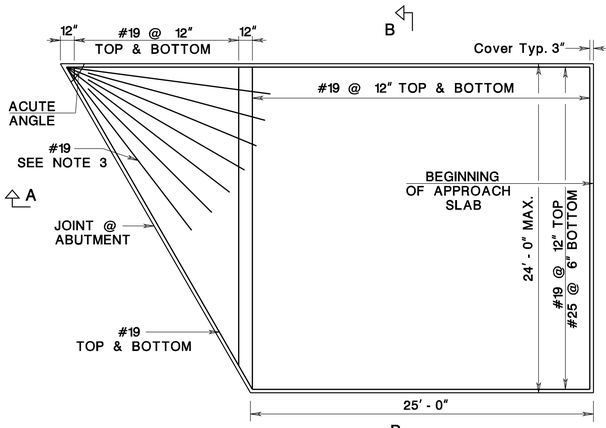
DETAIL A
HOT-POURED JOINT SEALER



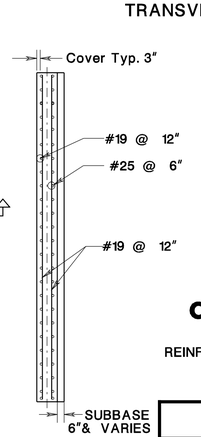
TRANSVERSE EXPANSION JOINT DETAIL 1



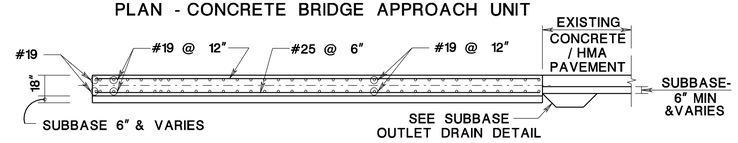
TRANSVERSE EXPANSION JOINT DETAIL 2



PLAN - CONCRETE BRIDGE APPROACH UNIT



SECTION B - B



SECTION A - A

NOTES:

1. CONSTRUCT LONGIDITUDINAL JOINTS IN THE CONCRETE BRIDGE APPROACH ALONG THE LANE AND SHOULDER LINES. THIS MAY REQUIRE USING COUPLERS FOR THE STAGE CONSTRUCTION. INCLUDE COST OF COUPLERS IN THE ITEM, " CONCRETE BRIDGE APPROACH ".
2. ALL REINFORCEMENT STEEL TO BE CORROSION PROTECTED.
3. FOR APPROACH SLAB CORNER WITH AN ACUTE ANGLE LESS THAN 65 DEGREE, PROVIDE 7 # 19 BARS, 15' LONG DIRECTLY UNDER THE TOP LAYER OF BARS IN A FANNED ARRANGEMENT.
4. CUT EXPANSION JOINT FILLER MATERIAL IN STRIPS EQUAL TO THE WIDTH OF APPROACH SLAB. MAKE THE TOP SURFACE SMOOTH AND HAVE HOLES PUNCHED FOR THE DOWEL BARS.
5. PLACE CLOSED-END EXPANSION CAP OVER THE LUBRICATED END OF ALL PLAIN DOWEL BARS AND PROVIDE 2" CLEARANCE POCKET ASSURED BY MEANS OF A POSITIVE SPACING DEVICE.
6. INSTALL TOP OF THE JOINT SEALING MATERIAL ¼" ± ⅛" BELOW THE SURFACE OF THE PAVEMENT.
7. PLACE DEFORMED BAR PERPENDICULAR TO AND CENTERED OVER THE LONGITUDINAL JOINT.
8. THE QUANTITY OF REINFORCEMENT STEEL, FOR THE CONCRETE BRIDGE APPROACH IS APPROXIMATELY 4.67 LBS / CU. FT. DEVELOP ORDER LENGTHS OF REINFORCEMENT BARS IN ACCORDANCE WITH DETAILS SHOWN HERE AND THE JOINT LAY OUT DETAILS SHOWN ON THE CONTRACT PLANS.
9. FOR LAYOUT OF LONGITUDINAL JOINTS AND TRANSVERSE JOINTS REFER TO CONTRACT PLANS.

CONCRETE BRIDGE APPROACH

N.T.S.

REINFORCEMENT STEEL IS DESIGNATED IN METRIC UNITS.

BCD-507-5

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

BRIDGE CONSTRUCTION DETAILS

BCD-507-5.1

BDC10D-01-BCD-507-5.1
BDC08D-01-BCD-507-5.1
BDC07D-01-ORIGINAL SHEET