GENERAL NOTES
1. ALL CONCRETE SHALL BE CLASS C BOX CULVERT
2. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS PLACED
3. CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS MAY BE CONSTRUCTED ONLY IF APPROVED BY THE ENGINEER
4. THE CONTRACTOR SHALL MAINTAIN THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION
5. STRUCTURE ELEVATION AND SCAFFOLDING SHALL BE IN ACCORDANCE WITH
   "STANDARD PLAN M-750-6"
6. FOR ANY CULVERT SLOPE LESS THAN 2:1, OR GREATER, A FOUNDATION INVESTIGATION AND REPORT ARE REQUIRED
7. SCAFFOLDING SHALL NOT BE USED UNTIL TOP SLAB HAS REACHED DESIGN STRENGTH, T
8. SPACE QUANTITIES FOR CONDITIONAL AND TRANSVERSE BARS ARE NOT INCLUDED
9. REINFORCING STEEL SHALL BE GRADE 65
10. THE MINIMUM LAP SPACING LENGTH FOR EPOXY COATED REINFORCING BARS SHALL BE:
    S + 2B + (S + 2B) + (S + 2B)

SECTION B-B
11. ALL DIMENSIONS ARE PERPENDICULAR TO THE CENTERLINE OF THE BOX
12. WINDOWWALLS SHALL BE TURNED INTO CONCRETE BOX CULVERT IN ACCORDANCE WITH
    "STANDARD PLAN M-750-35"
13. ALL TRANSVERSE REINFORCING SHALL BE MAINTAINED TO THE CENTERLINE OF THE BOX
14. FULL HORIZONTAL IS THE DISTANCE MEASURED FROM TOP OF TOP SLAB TO TOP OF PAVEMENT
15. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/2 IN.

SECTION A-A
16. WHEN THE FULL HEIGHT IS LESS THAN 1 COMAX TO 1/2, THEN THE SPACING OF THE 4 BARS IN THE BOTTOM OF THE TOP SLAB SHALL BE 6 IN. OR LESS. USE THE FOLLOWING EQUATION TO CALCULATE THE ADDITIONAL REINFORCING QUANTITY WHERE S IS IN FEET
   A + 5.08 + (A + 5.08) x 3.558 + 0.069 + 5
   SECTION B3, 10th ED. EDITION OF THE ASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES
   SERVICE LOAD DESIGN METHOD
   UNIT STRESSES:  f_t = 24,000 psi,  f_e = 50,000 psi
   n = 8
   LADING DATA
   LIVE LOAD = ASHTO HS 20-44 AND ALTERNATE MILITARY LOADING
   DEAD LOAD CASE 1: VERTICAL EARTH LOAD = 120 LBS/CF FT;
   HORIZONTAL EARTH LOAD = 40 LBS/CF FT
   DEAD LOAD CASE 2: VERTICAL EARTH LOAD = 120 LBS/CF FT;
   HORIZONTAL EARTH LOAD = 60 LBS/CF FT
   FUTURE HMA OVERLAY = 48 LBS/CF FT, BASED ON 4 IN. THICKNESS
   LIVE LOAD SURCHARGE ON EXTERIOR WALLS 2 FT OF EARTH
   a) HEADWALL MOUNT GUARDIAN IS LOCATED SIDE STANDARD PLAN M-706-1, SHEET 18
      - ALL REINFORCING STEEL SHALL BE CONFORM TO THIS BOX CULVERT PLAN
      - ANY ADDITIONAL STRIP REINFORCEMENT LENGTH WILL NOT BE MEASURED AND PAID FOR
      - HEADWALL, DIMENSION AND CONCRETE QUANTITY
      - SHALL BE IN ACCORDANCE WITH STANDARD PLAN M-706-1, SHEET 18
      - POST ANCHORS SHALL BE STRENGTHENED ACCORDING TO
        STANDARD PLAN M-706-1, SHEET 18
      - POST ANCHORS AND CONCRETE FOR HEADWALL MOUNT GUARDIAN, WILL NOT BE MEASURED
        AND PAID FOR
      - POST ANCHORS AND CONCRETE FOR CONSTRUCTION JOINT SHALL BE STRENGTHENED TO 43 LBS/CF M 169 STEEL

SECTION C-C

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