

PROJECT CONSTRUCTION SEQUENCE



THE CONTRACTOR SHALL FOLLOW THE PROJECT SEQUENCE PROVIDED BELOW OR DEVELOP ONE THAT MUST BE APPROVED BY THE ENGINEER. IF THE CONTRACTOR WISHES TO DEVELOP A CONSTRUCTION SEQUENCE, AN APPROVED COPY MUST BE SENT TO THE STRUCTURES SECTION FOR REFERENCE ONLY. THE CONTRACTOR SHALL SUBMIT AN INSTRUMENTATION INSTALLATION SCHEDULE FOR APPROVAL, SEE SPECIAL PROVISIONS.

1. CLEAN AND GRUB AREAS OF PROPOSED DETOUR EMBANKMENTS.
2. INSTALL SPECIAL PROVISION (IMPACT DISPLACEMENT PIER) (PHASE 1) IN THE SOUTHERN DETOUR EMBANKMENT AREA.
3. INSTALL SPECIAL PROVISION (IMPACT DISPLACEMENT PIER) (PHASE 1) ALONG THE TOE OF THE EASTERN SLOPE AT THE SOUTHERN MAINLINE EMBANKMENT, AND BACKFILL TO CREATE A WORKING PAD FOR WICK DRAIN INSTALLATION ALONG THE EASTERN SLOPE OF THE MAINLINE.
4. CONSTRUCT SOUTHERN DETOUR EMBANKMENT.
5. INSTALL SPECIAL PROVISION (PREFABRICATED VERTICAL WICK DRAIN) (PHASE 2) FOR THE NORTHERN DETOUR AREA ALONG THE TOE OF THE EXISTING MAINLINE SLOPE. INSTALL LOWER DRAINAGE BLANKET TO DISCHARGE TO THE WEST SIDE OF THE EMBANKMENT.
6. INSTALL SPECIAL PROVISION (PREFABRICATED VERTICAL WICK DRAIN) (PHASE 2) ALONG THE SOUTHERN DETOUR EMBANKMENT AS SHOWN ON THE PLANS. CONSTRUCT DRAINAGE BLANKET TO DISCHARGE TO THE WEST SIDE OF THE DETOUR EMBANKMENT.
7. CONSTRUCT THE NORTHERN DETOUR EMBANKMENT AND TEMPORARY BRIDGE.
8. INSTALL SPECIAL PROVISION (PREFABRICATED VERTICAL WICK DRAIN) (PHASE 3) IN THE NORTHERN DETOUR EMBANKMENT AREA AND ALONG THE WESTERN PORTION OF THE NORTHERN MAINLINE EMBANKMENT AS SHOWN ON THE PLANS. CONSTRUCT DRAINAGE BLANKET TO DISCHARGE TO THE WEST SIDE OF THE EMBANKMENT.
9. CLOSE MAINLINE TRAFFIC AND DIVERT TO DETOUR ALIGNMENT.
10. INSTALL SPECIAL PROVISION (PREFABRICATED VERTICAL WICK DRAIN) (PHASE 4) IN THE SOUTHERN MAINLINE EMBANKMENT. THE EMBANKMENT SLOPE MAY NEED TO BE BENCHED TO ALLOW FOR WICK DRAIN INSTALLATION. CONSTRUCT DRAINAGE BLANKET TO DISCHARGE TO THE EAST SIDE OF THE EMBANKMENT.
11. INSTALL SPECIAL PROVISION (PREFABRICATED VERTICAL WICK DRAIN) (PHASE 4) IN THE NORTHERN MAINLINE EMBANKMENT. CONSTRUCT THE DRAINAGE BLANKET AND CONNECT TO THE PHASE 2 WICK DRAIN DRAINAGE BLANKET TO DRAIN THE WEST SIDE OF THE EMBANKMENT.
12. PRE-EXCAVATE 675 MM (MIN.) DIAMETER HOLES TO A DEPTH OF 2 400 MM FOR EACH PILE LOCATION AS SHOWN IN THESE PLANS. PAYMENT FOR THE EXCAVATION OF HOLES SHALL BE INCLUDED IN ITEM 503.20 "PRE-EXCAVATION OF INTEGRAL ABUTMENT PILES". PAYMENT FOR THE REQUIRED EQUIPMENT SHALL BE MADE PART OF ITEM 504.10 "FURNISHING EQUIPMENT FOR DRIVING PILES".
13. INSERT, THEN DRIVE THE PILING AS SHOWN IN THESE PLANS. PLACE PEASTONE IN EACH OF THE PRE-EXCAVATED HOLES AFTER THE PILES ARE DRIVEN TO PROPER DEPTH. THE COST OF THE PEASTONE, INCLUDING PLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF ITEM 503.20 "PRE-EXCAVATION OF INTEGRAL ABUTMENT PILES".
14. FORM AND PLACE THE CONCRETE FOR THE ABUTMENTS AND FLYING WINGWALLS TO THE CONSTRUCTION JOINT AS SHOWN IN THESE PLANS. INSTALL THE ANCHOR BOLTS AS INDICATED IN THESE PLANS.
15. THE ANCHOR BOLTS SHALL BE PROTECTED FROM THE EFFECTS OF WINTER WEATHER.
16. UPON RECEIVING THE GIRDERS, PLACE TWO NUTS ON EACH OF THE ANCHOR BOLTS. USING THE NUTS, SET THE LEVELING PLATES TO THE CORRECT ELEVATION AS SHOWN IN THESE PLANS. MAKE SURE THE LEVELING PLATES ARE LEVEL.
17. SET THE GIRDERS ON THE LEVELING PLATES AND ATTACH TO THE ABUTMENTS WITH THE ANCHOR BOLTS. TIGHTEN THE BOLTS.
18. PLACE THE CENTER OF THE BRIDGE DECK, FORM THE ABUTMENTS AND BACKFILL WITH GRANULAR BACKFILL FOR STRUCTURES IN 150 MM LIFTS TO THE SUBGRADE ELEVATION OF THE APPROACH SLAB.
19. PLACE THE ABUTMENT CONCRETE ALONG WITH THE REMAINDER OF THE FLYING WINGWALLS AND THE ENDS OF THE DECK TO THE CONSTRUCTION JOINT SHOWN IN THESE PLANS.

20. FORM AND PLACE THE CONCRETE FOR THE APPROACH SLABS.
21. CONSTRUCT SAFETY CURBS AND RAILING, APPLY WATERPROOFING AND PAVE BRIDGE.
22. CLOSE DETOUR TRAFFIC AND DIVERT TO MAINLINE ALIGNMENT.
23. REMOVE TEMPORARY BRIDGE AND DETOUR APPROACHES.
24. COMPLETE WORK FOR FINAL TURF ESTABLISHMENT.

DATUM	
VERTICAL	<u>NAVD 88</u>
HORIZONTAL	<u>NAD 83(92)</u>

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: z085e042conseq.dgn	PLOT DATE: 2/11/2010
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	SHEET: 86 OF 144
PROJECT CONSTRUCTION SEQUENCE	