

## PROJECT NOTES

### GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION, 2001 STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 1996, AND ITS LATEST REVISIONS.
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY LIMITS. NO ADDITIONAL ROW RIGHTS ARE ANTICIPATED FOR THIS PROJECT, EXCEPT AS SHOWN ON THE LAYOUT SHEET.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY PROJECT SIGNING AND TYPE III BARRICADES. THE COSTS WILL BE INCIDENTAL TO THE ITEM 527.10, "MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS".
4. DURING CONSTRUCTION, ONE-WAY TRAFFIC SHALL BE MAINTAINED ON THE EXISTING BRIDGE. ACCESS TO ALL EXISTING SIDE ROADS, DRIVES, AND PARKING AREAS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SEE TRAFFIC STAGING PLAN.
5. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, CONSTRUCTION DIMENSIONS AND ELEVATIONS. ANY DISCREPANCIES SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.
6. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AT 68 DEGREES FAHRENHEIT.

### EARTHWORK AND RELATED ITEMS

7. ~~THE ITEM 505.36 "TEMPORARY STEEL SHEET PILING" SHALL BE USED TO RETAIN THE ROADWAY DURING REHABILITATION OF THE EXISTING ABUTMENTS~~ AND CONSTRUCTION OF THE APPROACH SLAB. THE QUANTITY FOR EACH ABUTMENT SHALL BE PAID ONCE. NO TEMPORARY SHEET PILING WILL BE INSTALLED UNTIL THE DESIGN HAS BEEN SUBMITTED AND REVIEWED PER 505.03(d) OF THE STANDARD SPECIFICATIONS. THE TEMPORARY SHEET PILES SHALL BE LOCATED SUCH THAT THE TRAFFIC CAN BE MAINTAINED ON EACH SIDE AND THE TEMPORARY TRAFFIC BARRIER BE FASTENED TO THE TEMPORARY SHEET PILING DURING STAGE ONE CONSTRUCTION. ONLY THE PORTION OF THE SHEET PILES REQUIRED TO PROTECT THE EXCAVATION FROM ADJACENT TRAFFIC WILL BE PAID. EXTRA SHEET PILES FOR THE CONTRACTORS CONVENIENCE SHALL BE AT THEIR EXPENSE.
8. THE FOLLOWING SHALL BE PAID FOR UNDER ITEM 529.20, "PARTIAL REMOVAL OF STRUCTURE": REMOVAL AND DISPOSAL OF THE EXISTING BRIDGE DECK, CURBS, CONCRETE BRIDGE RAILS, CONCRETE T-BEAMS AND BACK WALLS. REMOVAL AND DISPOSAL OF THE BRIDGE PAVEMENT SHALL BE PAID FOR UNDER ITEM 529.10, "REMOVAL OF BRIDGE PAVEMENT". REMOVAL AND DISPOSAL OF EXISTING ABUTMENT AND PIER CONCRETE SHALL BE PAID FOR UNDER ITEM 529.25, "REMOVAL OF CONCRETE OR MASONRY". ALL SALVAGEABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
9. FOR QUANTITY ESTIMATING PURPOSES, THE LIMITS OF THE COFFERDAMS HAVE BEEN ASSUMED TO BE FOUR (4) FEET OUTSIDE THE PERIMETER OF THE EXISTING FOOTINGS FOR THE ABUTMENT AND PIER. THE ACTUAL LIMITS OF THE COFFERDAM ARE TO BE DETERMINED BY THE CONTRACTOR.
10. THE STONE FILL TYPE IV SHALL BE PLACED IN FRONT OF ABUTMENT NO.1 AND AROUND THE PIER BEFORE THE SLAB IS POURED FOR EACH STAGE OF CONSTRUCTION.
11. BACKFILLING BEHIND ABUTMENTS SHALL NOT BEGIN UNTIL THE ABUTMENT AND SLAB CONSTRUCTION IS COMPLETE. BACKFILL BEHIND ABUTMENTS SHALL BE PLACED AND COMPACTED ACCORDING TO SUBSECTION 204J2 OF THE STANDARD SPECIFICATIONS.

### CONCRETE AND REINFORCING STEEL

12. CONCRETE FOR CURBS SHALL BE HIGH PERFORMANCE CLASS A AND WILL BE PAID FOR UNDER ITEM 501.33, "CONCRETE, HIGH PERFORMANCE CLASS A". BRIDGE RAIL CONCRETE SHALL BE HIGH PERFORMANCE CLASS A AND WILL BE PAID FOR UNDER ITEM 525.50, "CAST-IN-PLACE CONCRETE BRIDGE RAIL". ALL OTHER CONCRETE SHALL BE HIGH PERFORMANCE CLASS B AND WILL BE PAID FOR UNDER ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B" UNLESS OTHERWISE NOTED.
13. THE DECK IS TO BE PLACED IN ONE CONTINUOUS POUR WITH A MAXIMUM DURATION OF EIGHT (8) HOURS. IF CIRCUMSTANCES BEYOND THE CONTRACTORS CONTROL PREVENT THIS FROM BEING ACCOMPLISHED, A CONSTRUCTION JOINT SHALL BE USED AS SHOWN ON THE PLANS. A NINETY-SIX (96) HOUR DELAY BETWEEN THE COMPLETION OF ONE DAY'S POUR AND THE BEGINNING OF ANY OTHER POUR SHALL BE OBSERVED.
14. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES (NEW AND EXISTING) EXCEPT THE UNDERSIDE OF DECK BETWEEN DRIP BEADS.
15. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED  $\frac{1}{4}$ ".
16. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
17. ALL SUPERSTRUCTURE REINFORCING STEEL SHALL BE EPOXY COATED AND PAID FOR UNDER ITEM 507.17, "EPOXY COATED REINFORCING STEEL". ALL CONCRETE BRIDGE RAIL REINFORCING, INCLUDING THE BARS EMBEDDED IN THE SUPERSTRUCTURE, SHALL BE EPOXY COATED AND SHALL BE PAID FOR AS PART OF ITEM 525.50, "CAST-IN-PLACE CONCRETE BRIDGE RAIL". WHEN EPOXY COATED REINFORCING STEEL IS TO BE CUT, THE UNCOATED ENDS SHALL BE REPAIRED WITH MATERIALS AND PROCEDURES APPROVED BY THE COATING MANUFACTURER. FLAME CUTTING OF EPOXY COATED REINFORCING STEEL WILL NOT BE PERMITTED.
18. ALL SUBSTRUCTURE REINFORCING STEEL SHALL BE PAID FOR UNDER ITEM 507.15, "REINFORCING STEEL".
19. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH AND APPLICABLE PUBLICATIONS OF THE "CONCRETE REINFORCING STEEL INSTITUTE".
20. MINIMUM COVER FOR REINFORCING STEEL IN THE SUBSTRUCTURES SHALL BE TWO (2) INCHES ALONG WALL FACES AGAINST EARTH, AND THREE (3) INCHES ELSEWHERE UNLESS DETAILED OTHERWISE.
21. REINFORCING PLACEMENT TOLERANCES SHALL BE:  
SPACING  $\pm 1"$   
CLEARANCE  $\pm 1/4"$
22. NO TRAFFIC SHALL BE ALLOWED ON THE NEW DECK UNTIL THE CURE PERIOD IS UP AND THE 28-DAY DESIGN STRENGTH IS ATTAINED, AS EVIDENCED BY TEST CYLINDERS CURED UNDER FIELD CONDITIONS.

### EROSION CONTROL

23. APPROPRIATE EROSION CONTROL MEASURES SHALL BE UTILIZED THROUGHOUT THE DURATION OF THE CONSTRUCTION AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

## STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of <b>CORINTH</b>	Bridge No. IOC
Highway No. T.H. 1	Log Sta. Surv. Sta.
<b>TOWN HIGHWAY NO. 1 OVER WAITS RIVER</b>	
<b>PROJECT NOTES</b>	
Designed By S. BURBANK	Drawn By S. BURBANK
Checked By M. CHENETTE	Bridge Design Supervisor M. CHENETTE
Date 05/03	Date 05/03
PROJECT <b>CORINTH</b>	PROJECT NO. TH2-9352
DH CAD Filename: ...Cor-notes.dgn	Plot Date: 05/07/2003
Bridge Sheet No.	Sheet 14 of 28