

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2006, AND ITS LATEST REVISIONS, THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOURTH EDITION, AND ITS LATEST REVISIONS AND THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECOND EDITION, AND ITS LATEST REVISIONS.
2. THE BRIDGE IS DESIGNED FOR THE HL-93 LIVE LOAD WITH NO ALLOWANCE FOR FUTURE PAVEMENT.
3. THE CONTRACTOR MAY SUBSTITUTE SUBBASE MATERIAL FOR THE SAND BORROW SHOWN ON THE PLANS. THE SUBBASE MATERIAL SHALL BE THE TYPE SPECIFIED IN THE CONTRACT AND SHALL BE PLACED TO MEET THE SUBBASE SPECIFICATIONS. IF SUBBASE IS PLACED IN LIEU OF SAND BORROW, A GEOTEXTILE MEETING THE REQUIREMENTS OF SECTION 649 AND 720 FOR "GEOTEXTILE FOR ROAD BED SEPARATOR" SHALL BE PLACED BETWEEN THE SUBGRADE AND THE SUBBASE MATERIAL. ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING THE GEOTEXTILE WILL BE INCLUDED IN THE UNIT PRICE BID FOR 203.31 "SAND BORROW".
4. THERE IS A WATER MAIN OWNED BY A PRIVATE WATER COMPANY (CRYSTAL SPRINGS WATER COMPANY) WHICH ENDS PRIOR TO STA 1+110. WHILE THIS SHOULD NOT IMPACT THE PROJECT, ALL INTERESTED PARTIES SHOULD BE AWARE OF ITS EXISTENCE.
5. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 20 DEGREES C UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 301.06 REGARDING THE COMPACTION OF SUBBASE MATERIAL FOR THIS PROJECT.
7. SEE THE UTILITY SPECIAL PROVISIONS FOR A DESCRIPTION OF WHEN AND WHERE ITEM 204.22 TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.) MAY BE REQUIRED.

TEMPORARY BRIDGE

8. TRAFFIC WILL BE MAINTAINED ON A TWO-WAY TEMPORARY BRIDGE LOCATED DOWNSTREAM OF THE EXISTING STRUCTURE. THE AGENCY WILL PAY FOR THE CONSTRUCTION AND MAINTENANCE OF THE TEMPORARY BRIDGE AND ITS APPROACHES UNDER ITEM 528.11, "TWO-WAY TEMPORARY BRIDGE."
9. THE ROADWAY APPROACHES TO THE TEMPORARY BRIDGE WILL BE PAVED WITH 50mm BITUMINOUS CONCRETE PAVEMENT.
10. A GEOTEXTILE MEETING THE REQUIREMENTS OF SECTION 649 FOR "GEOTEXTILE FOR ROADBED SEPARATOR" SHALL BE PLACED BETWEEN ALL TEMPORARY DETOUR FILL AND EXISTING GROUND. ALL COSTS ASSOCIATED WITH THE GEOTEXTILE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 528.11 "TWO-WAY TEMPORARY BRIDGE".
11. THE AREA DISTURBED BY THE TEMPORARY DETOUR SHALL BE SEEDED AND MULCHED AFTER ALL THE FILL IS REMOVED TO THE ORIGINAL GROUND SURFACE. THE COST OF THE SEED, FERTILIZER, AND MULCH WILL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS.

CONCRETE

12. THE AGENCY WILL PROVIDE THE BRIDGE PLAQUE FOR THE CONTRACTOR TO INSTALL AS SHOWN ON THE DETAILS ON THE PLANS. THE AGENCY WILL PAY FOR THIS WORK UNDER THE APPROPRIATE CONCRETE ITEM SUPPORTING THE PLAQUE.
13. THE HEIGHT OF FILL BEHIND ABUTMENTS WILL BE LIMITED TO THE BRIDGE SEAT ELEVATION UNTIL THE DECK HAS BEEN POURED AND THE CURING PERIOD IS COMPLETE.
14. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 25 mm BY 25 mm.
15. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
16. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).

 REINFORCING PLACEMENT TOLERANCES SHALL BE:
 SPACING +/- 25 mm
 CLEARANCE +/- 5 mm
17. ALL CONCRETE SHALL BE CONCRETE, HIGH PERFORMANCE CLASS B UNLESS OTHERWISE NOTED.
18. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.

STONE FILL

19. THE STONE FILL, TYPE III SHALL BE PLACED IN FRONT OF THE ABUTMENTS BEFORE THE DECK IS POURED.

TRAFFIC CONTROL

20. AS PART OF ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE), THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE ROADWAY, TRAFFIC, AND SAFETY ENGINEER FOR APPROVAL PER SUBSECTION 105.03. SEE SPECIAL PROVISIONS.
21. ALL ITEMS REQUIRED TO IMPLEMENT THE CONTRACTOR'S TRAFFIC CONTROL PLAN WILL NOT BE PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE). THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING

 ITEMS: TEMPORARY TRAFFIC BARRIER
 UNIFORMED TRAFFIC OFFICER/FLAGGER
 TEMPORARY PAVEMENT MARKINGS
 REMOVAL OF EXISTING PAVEMENT MARKINGS
 TEMPORARY CONSTRUCTION SIGNING
22. FOR ADDITIONAL SIGNING INSTRUCTIONS SEE STANDARDS E-101, E-102A, E-107, E-107A AND E-121.
23. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN FULL ACCESS TO ALL SIDE ROADS AND DRIVES WITHIN THE PROJECT LIMITS AT ALL TIMES.

PILES

24. THE PILES SHALL BE HP 310X79.
25. THE PILES SHALL BE EMBEDDED IN THE GROUND A MINIMUM OF 10 METERS AND BE DRIVEN TO A NOMINAL RESISTANCE OF 1900 kN. TO PREVENT DAMAGE TO THE PILES, PILE SHOES SHALL BE REQUIRED AND SHALL CONFORM TO SECTION 505.
26. PILE TESTING AND SEQUENCE - A MINIMUM OF ONE DYNAMIC PILE TEST SHALL BE CONDUCTED FOR EACH SUBSTRUCTURE UNIT. MORE TESTS MAY BE REQUIRED BY THE ENGINEER. THE FIRST PRODUCTION PILE DRIVEN FOR EACH SUBSTRUCTURE UNIT SHALL BE USED FOR THE FIRST PILE TEST. THE PILE SHALL BE DRIVEN AND TESTED IN ITS FINAL LOCATION. SEE THE GENERAL SPECIAL PROVISIONS FOR THE METHOD OF PAYMENT FOR THESE PILES AND TESTS.
27. FOR ESTIMATING PURPOSES, THE PILE TIP ELEVATIONS WERE ASSUMED AS SHOWN ON THE BORING LOGS. THE ACTUAL IN PLACE LENGTHS MAY VARY.

GENERAL NOTES

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| PROJECT NAME: | EAST MONTPELIER |
| PROJECT NUMBER: | STP 037-2(9) |
| FILE NAME: | 78f200\str\s200gennotes |
| PROJECT LEADER: | K. HIGGINS |
| DESIGNED BY: | G. LaROCHE |
| CHECKED BY: | G. LaROCHE |
| PLOT DATE: | 14-JUL-2009 |
| DRAWN BY: | R. PELLETT |
| CHECKED BY: | G. LaROCHE |
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