

PROJECT NOTES

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO: THE 2006 STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND ITS LATEST REVISIONS; AND THE 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND ITS LATEST REVISIONS.
2. THIS PROJECT IS FOR THE COMPLETE RECONSTRUCTION OF THE EXISTING COVERED BRIDGE SUPERSTRUCTURE WITH MINOR SUBSTRUCTURE AND ASSOCIATED ROADWAY APPROACH WORK. THE INTENT OF THE PROJECT IS TO CLOSELY MATCH THE DIMENSIONS AND GEOMETRY OF THE BRIDGE AND MOST OF THE CONNECTION TYPES AND DETAILS. SOME DIMENSIONS ON THE PLANS MAY VARY SLIGHTLY FROM THE EXISTING DUE TO DESIGN CHANGES NECESSARY TO OBTAIN LIVE LOAD CAPACITY OR IMPROVEMENTS TO THE ORIGINAL DESIGN OR GEOMETRY. ANY DIMENSIONS OR FRAMING DETAILS NOT SHOWN ON THE PLANS SHALL BE CHECKED IN THE FIELD BY THE CONTRACTOR PRIOR TO SUBMITTING FABRICATION DRAWINGS AND COMMENCING THE WORK.
3. TO FACILITATE CONSTRUCTION AND MINIMIZE THE DURATION OF THE DETOUR, THE TOWN OF NEWFANE HAS PROVIDED A STAGING AREA FOR CONSTRUCTION OF ALL OR PART OF THE SUPERSTRUCTURE. THE STAGING AREA IS A GRAVEL PULL OFF LOCATED 0.1 MILES WEST OF THE BRIDGE ON TH 2.

THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING HOW MUCH OF THE NEW SUPERSTRUCTURE WILL BE BUILT AT THE STAGING AREA AND HOW IT WILL BE TRANSPORTED TO AND ERECTED AT THE EXISTING BRIDGE SITE.

THE ERECTION PLAN SUBMITTED IN ACCORDANCE WITH SUBSECTION 522.04 SHALL INCLUDE METHODS OF HANDLING AT THE STAGING AREA AS WELL AS THE MOVING AND ERECTING OF SUPERSTRUCTURE COMPONENTS.

4. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAKING ARRANGEMENTS WITH UTILITY COMPANIES FOR MOVING UTILITIES TO ACCOMMODATE THE MOVING OR ERECTING OF THE SUPERSTRUCTURE. NO ADDITIONAL COMPENSATION WILL BE MADE AND NO EXTENSION OF CONTRACT TIME WILL BE GRANTED FOR WORKING AROUND AND WITH THE UTILITY COMPANIES.

TRAFFIC CONTROL

5. DURING PHASE ONE OF THE PROJECT, TRAFFIC WILL BE MAINTAINED ON THE EXISTING BRIDGE AND THE DECK OF BR 50 ON TH 47 (PARRISH ROAD) WILL BE REPLACED.
6. DURING PHASE TWO, THE CONTRACTOR WILL BE ALLOWED TO CLOSE TH 2 AT BRIDGE 17 FOR AN EIGHT WEEK PERIOD TO REMOVE THE EXISTING AND PLACE THE NEW SUPERSTRUCTURE. DURING THAT TIME, TRAFFIC WILL BE DETOURED ON TH 19 (BAKER BROOK ROAD), TH 47 (PARRISH ROAD), AND TH 26. SEE SPECIAL PROVISIONS FOR SPECIFIC CLOSURE DATES.

SEE SPECIAL PROVISIONS FOR INCENTIVE/DISINCENTIVE PAY ITEM IN EFFECT DURING THIS CLOSURE PERIOD. IF THE CONTRACTOR CHOOSES TO INSTALL TEMPORARY TRAFFIC BARRIER AS ALLOWED UNDER THE IDENTIFIED WORK, THE BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 621 AND WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 641.10 "TRAFFIC CONTROL".

THE CONTRACTOR SHALL NOTIFY THE NEWFANE ROAD FOREMAN, TODD LAWLEY, TWO WEEKS PRIOR TO SHIFTING TRAFFIC TO THE DESIGNATED DETOUR. MR. LAWLEY'S PHONE NUMBER IS (802)348-7949.

7. ITEM 641.10 "TRAFFIC CONTROL" SHALL INCLUDE ERECTING AND MAINTAINING ALL TEMPORARY ON AND OFF-PROJECT SIGNS AND BARRICADES AS SHOWN IN THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER TO:
 - a. MAINTAIN TRAFFIC ON THE EXISTING BRIDGE WHILE CONSTRUCTING THE NEW SUPERSTRUCTURE IN THE STAGING AREA AND REPLACING THE DECK OF BR 50 ON TH 47.
 - b. MAINTAIN TRAFFIC ON THE DETOUR WHILE REMOVING THE EXISTING SUPERSTRUCTURE AND COMPLETING THE NEW SUPERSTRUCTURE.
 - c. MAINTAIN FULL ACCESS TO ALL SIDE ROADS AND DRIVES WITHIN THE PROJECT LIMITS AT ALL TIMES.
8. ITEM 527.10 "MAINTENANCE OF STRUCTURES AND APPROACHES" WILL NOT INCLUDE REPLACING THE DECK ON THE EXISTING COVERED BRIDGE.
9. ITEM 607.10 "ROADWAY PATROL MAINTENANCE" WILL ONLY INCLUDE THE DETOUR ON TH 19 (BAKER BROOK ROAD), TH 47 (PARRISH ROAD), AND TH 26.

DETOUR BRIDGE 50

10. BRIDGE 50 IS ON THE PROJECT DETOUR ROUTE ON TH 47 (PARRISH ROAD) APPROXIMATELY 100 FEET FROM ITS INTERSECTION WITH TH 19 (BAKER BROOK ROAD). AS PART OF THIS PROJECT, THE DECK AND WOODEN COMPONENTS OF THE RAILING SYSTEM SHALL BE REPLACED IN KIND AS DETAILED ON THE TRAFFIC CONTROL 1 SHEET USING NEW MATERIAL AND HARDWARE CONFORMING TO SECTION 522. THE STEEL BEAM RAILING WILL BE SALVAGED AND REUSED.
11. ITEM 529.20 "PARTIAL REMOVAL OF STRUCTURE" (TH 47 BRIDGE NO. 50) SHALL BE PAYMENT FOR REMOVAL AND DISPOSAL OF ALL MATERIAL NECESSARY TO COMPLETE THE REPAIR OF BR 50.
12. A QUANTITY OF FIVE (5) MFBM IS INCLUDED UNDER ITEM 522.25 "STRUCTURAL LUMBER AND TIMBER, TREATED" FOR THE REPLACEMENT OF THE NAIL LAMINATED DECK, CURBS AND RAIL POSTS WITH SPECIES AND GRADE AS SPECIFIED IN SUBSECTION 709.01(c). TIMBER PRESERVATIVE SHALL BE TYPES II, III, IV OR V AS SPECIFIED IN SUBSECTION 726.01.
13. ALL COSTS ASSOCIATED WITH SALVAGING AND RESETTING THE EXISTING BRIDGE AND APPROACH RAILING WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 529.20 "PARTIAL REMOVAL OF STRUCTURE" (TH 47 BRIDGE NO. 50).
14. THE CONTRACTOR WILL NOT BE REQUIRED TO REPAVE THE DECK OR INSTALL STEEL PLATES AT END OF BRIDGE.
15. BR 50 IS ON THE TOWN'S DESIGNATED TRUCK ROUTE FOR PERMITTED TRUCKS WEIGHING OVER TEN TONS. TO MINIMIZE THE TIME TRUCKS WILL BE UNABLE TO USE THE TRUCK ROUTE, THE CONTRACTOR WILL BE REQUIRED TO DO THE WORK EITHER AT NIGHT, IN ACCORDANCE WITH THE SPECIAL PROVISIONS, OR OVER A SINGLE WEEKEND. THE CONTRACTOR WILL BE ALLOWED TO CLOSE THE BRIDGE DURING THE DESIGNATED "NIGHT" HOURS AND WILL BE REQUIRED TO HAVE IT IN A SAFE AND PASSABLE CONDITION AT THE END OF THE "NIGHT" HOURS. IF WEEKEND WORK IS CHOSEN, THE BRIDGE MAY BE CLOSED FROM 7 P.M. ON FRIDAY EVENING AND RE-OPENED BY 5 A.M. ON THE FOLLOWING MONDAY WITH NIGHT WORK ALLOWED ON ALL THREE NIGHTS. PORTABLE CHANGEABLE MESSAGE SIGNS WARNING TRUCKS ABOUT THIS CLOSURE SHALL BE POSITIONED AT LOCATIONS DESIGNATED BY THE ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO THE CLOSING AND SHALL REMAIN IN PLACE DURING THE CLOSURE.

MISCELLANEOUS

16. ITEM 529.20 "PARTIAL REMOVAL OF STRUCTURE" (TH 2 BRIDGE NO. 17) SHALL INCLUDE THE COMPLETE REMOVAL OF THE EXISTING SUPERSTRUCTURE INCLUDING THE AUXILIARY GLULAM SUPPORT GIRDERS. NO BURNING OF THE REMOVED MATERIALS WILL BE ALLOWED AT THE PROJECT SITE. THE EXISTING BRIDGE MAY CONTAIN LUMBER OR TIMBER WITH HAZARDOUS WOOD PRESERVATIVES. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE STATE, ITS OFFICERS AND EMPLOYEES HARMLESS REGARDING THE CONTRACTOR'S HANDLING OF THESE MATERIALS AND SUBSEQUENT USE, RE-USE OR DISPOSAL OF THE MATERIALS. ALL COSTS ASSOCIATED WITH DISPOSING OF MATERIALS REMOVED AS PART OF THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 529.20.
17. ITEM 613.10 "STONE FILL, TYPE I" SHALL BE USED TO HELP PREVENT EROSION AT ENDS OF WINGWALLS AS SHOWN IN THE PLANS AND AT THE DISCRETION OF THE RESIDENT ENGINEER.
18. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS OTHERWISE NOTED.
19. ITEM 203.31 "SAND BORROW". 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 ITEM 649.11 "GEOTEXTILE FOR ROAD BED SEPARATOR" SHALL BE PLACED BETWEEN THE SUBGRADE AND THE SUBBASE MATERIAL. ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING THE GEOTEXTILE SHALL BE INCIDENTAL TO 203.31 "SAND BORROW".

ALPINE CHOSE TO USE SUBBASE MATERIAL, BUT SUBGRADE CONDITIONS DID NOT WARRANT USE OF "GEOTEXTILE FOR ROAD BED SEPARATOR".

STRUCTURAL STEEL

20. ITEM 506.60 "STRUCTURAL STEEL" SHALL INCLUDE ALL TIE RODS BETWEEN TRUSSES AND CORRESPONDING TURNBUCKLES, NUTS AND OGEE WASHERS. TIE RODS SHALL MEET ASTM A 307.

CONCRETE

21. 501.34 "CONCRETE, HIGH PERFORMANCE CLASS B" SHALL BE USED FOR THE ABUTMENTS AND RETAINING WALL.
22. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1 INCH X 1 INCH.
23. ITEM 514.10 "WATER REPELLENT, SILANE" SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES INCLUDING THE EXISTING ABUTMENTS.
24. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT NAME: NEWFANE
PROJECT NUMBER: BHF 0106 (4)S

FILE NAME: s96j230pn.dgn
PROJECT LEADER: R. WHITCOMB
DESIGNED BY: T. LACKEY
PROJECT NOTES I

PLOT DATE: 04-MAY-2009
DRAWN BY: T. LACKEY
CHECKED BY: R. WHITCOMB
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