

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, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION, DATED 2008 AND ITS LATEST REVISIONS.
- 2. THE BRIDGE IS DESIGNED FOR HL-93 LIVE LOAD WITH AN ALLOWANCE FOR 1 1/2” OF FUTURE PAVEMENT.
- 3. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT UNLESS NOTED OTHERWISE.
- 4. THE CONTRACTOR’S ATTENTION IS DIRECTED TO SUBSECTION 301.06 REGARDING THE COMPACTION OF SUBBASE MATERIAL.
- 5. ITEM 529.20 PARTIAL REMOVAL OF STRUCTURE SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ANY COMPONENTS ASSOCIATED WITH THE EXISTING BRIDGE NECESSARY TO PERFORM THE REQUIRED WORK.
- 6. THE TEMPORARY BRIDGE CONTRACT PLANS AND ANY KNOWN AVAILABLE HISTORIC TRUSS PLAN SHEETS ARE INCLUDED IN THIS PLAN SET. THE INFORMATION CONTAINED IN THESE REFERENCE SHEETS HAS NOT BEEN VERIFIED AND ARE INCLUDED FOR INFORMATIONAL PURPOSES ONLY. IT IS THE CONTRACTOR’S RESPONSIBILITY TO VERIFY THE ACCURACY OF ANY INFORMATION CONTAINED IN THE PLANS. THE STATE SHALL NOT BE LIABLE FOR ANY OMISSIONS OR INCORRECT INFORMATION SHOWN IN THE REFERENCE PLANS.

EXISTING AND CONSTRUCTION TRAFFIC CONTROL

- 7. AS PART OF 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.
- 8. THE CONTRACTOR SHALL MAINTAIN TEMPORARY DETOURS IN ACCORDANCE WITH SUBSECTION 104.04 MAINTENANCE OF TRAFFIC. THE WORK REQUIRED UNDER SUBPART (E), IF NECESSARY, WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE BID PRICE FOR ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
- 9. FULL ACCESS TO ALL SIDE ROADS AND DRIVES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. THIS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCLUDED IN THE BID PRICE FOR ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
- 10. THE CONTRACTOR’S ATTENTION IS DIRECTED TO THE TRAFFIC CONTROL NEEDS PERTAINING TO THE CONSTRUCTION OF WINGWALL #2.
- 11. ANY TEMPORARY EXCAVATION AND FILL NECESSARY TO MAINTAIN TRAFFIC SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
- 12. ANY TEMPORARY MEANS OF SUPPORTING EXCAVATION NECESSARY TO MAINTAIN TRAFFIC SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE) AND SHALL MEET THE REQUIREMENTS OF SECTION 204.
- 13. ANY TEMPORARY MEANS OF SUPPORTING FILL NECESSARY TO MAINTAIN TRAFFIC SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE) AND ASSOCIATED CONSTRUCTION DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH SUBSECTION 105.03.

- 14. ANY TEMPORARY MEANS OF SUPPORTING EXCAVATION OR FILL SHALL NOT DAMAGE STRUCTURES THAT ARE TO BE LEFT IN PLACE. IF STRUCTURES THAT ARE TO BE LEFT IN PLACE ARE DAMAGED, THEY SHALL BE REPLACED, OR REPAIRED TO THE RESIDENT ENGINEER’S SATISFACTION, AT THE CONTRACTOR’S EXPENSE.
- 15. ALL TEMPORARY MEANS OF SUPPORTING EXCAVATION AND FILL SHALL BE ADEQUATELY SEPARATED FROM THE TRAVELING PUBLIC PER THE AASHTO ROADSIDE DESIGN GUIDE.
- 16. ANY TEMPORARY MEANS OF SUPPORTING EXCAVATION OR FILL SHALL BE PLACED TO AVOID OBSCURING SIGHT DISTANCE OF TRAFFIC ON VT RTE 100A AND TRAFFIC ENTERING OR EXITING VT RTE 100A.
- 17. THE CONTRACTOR SHALL COORDINATE ANY USE OR CHANGE OF THE TEMPORARY TRAFFIC SIGNALS AND THE REMOVAL OF THE TEMPORARY TRAFFIC SIGNALS, TEMPORARY UTILITY POLES AND TEMPORARY SIGNS WITH THE TRAFFIC SHOP. THE SIGNALS, SIGNS AND SIGN POSTS ARE THE PROPERTY OF THE TRAFFIC SHOP AND SHALL BE REMOVED BY THEIR DESIGNATED REPRESENTATIVE. THIS WORK SHALL BE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (REMOVAL OF TEMPORARY BRIDGE AND APPROACHES).
- 18. THE AREA DISTURBED BY THE EXISTING TEMPORARY DETOUR SHALL BE RESTORED TO ITS ORIGINAL CONDITION. THE COST OF THE SEED, FERTILIZER AND MULCH WILL BE PAID UNDER THEIR RESPECTIVE ITEMS.

CONCRETE

- 19. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1” BY 1”.
- 20. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 21. REINFORCING PLACEMENT TOLERANCES SHALL BE:
SPACING ± 1”
CLEARANCE ± ¼”
- 22. THE CONCRETE IN THE DECK AND CURBS SHALL BE SPECIFIED BY THE HALF-FILLED GRID DECK MANUFACTURER AND MEET THE REQUIREMENTS OF HIGH PERFORMANCE CONCRETE, LIGHTWEIGHT OF SECTION 900. THE COST FOR THIS CONCRETE SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 900.670 SPECIAL PROVISION (HALF-FILLED GRID DECK) (FPQ).
- 23. UNLESS OTHERWISE NOTED, ALL OTHER CONCRETE SHALL BE CONCRETE, HIGH PERFORMANCE CLASS B.
- 24. THE DECK IS TO BE POURED IN ONE CONTINUOUS POUR WITH A MAXIMUM DURATION OF EIGHT HOURS. IF CIRCUMSTANCES BEYOND THE CONTRACTOR’S CONTROL PREVENT THIS FROM BEING ACCOMPLISHED, A TRANSVERSE CONSTRUCTION JOINT SHALL BE USED BETWEEN ADJACENT POURS. A MINIMUM 96 HOUR DELAY BETWEEN ADJACENT POURS SHALL BE OBSERVED.
- 25. NO CONCRETE IN THE ABUTMENTS OR WINGWALLS SHALL BE PLACED ABOVE THE BRIDGE SEAT ELEVATIONS UNTIL THE STRINGERS HAVE BEEN PROFILED AND THE FINISHED GRADE OF THE DECK HAS BEEN DETERMINED.
- 26. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE SMOOTHED WITH A MAGNESIUM FLOAT.

- 27. THE DECK PANELS SHALL BE ADJUSTABLE TO ACCOMMODATE THE FINISH GRADE ELEVATIONS DUE TO THE VERTICAL CURVE AND CROSS-SLOPE WITHOUT EXCEEDING THE WEIGHT LIMITATIONS AND WITHOUT VIOLATING THE MANUFACTURER’S APPROVED INSTALLATION PROCEDURES.
- 28. SHEAR CONNECTORS SHALL BE PROVIDED ON ALL STRINGERS AND FLOORBEAMS. THE HALF-FILLED GRID DECK MANUFACTURER SHALL BE RESPONSIBLE FOR DETERMING THE TYPE, SIZE AND SPACING. THE COST FOR THE SHEAR CONNECTORS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 900.670 SPECIAL PROVISION (HALF-FILLED GRID DECK) (FPQ).
- 29. ANY FALSEWORK REQUIRED TO CONSTRUCT THE INTERIOR OR EXTERIOR DECK SECTIONS SHALL BE DESIGNED AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN AND WORKING DRAWINGS SHALL BE SUBMITTED PER SECTION 105 OF THE STANDARD SPECIFICATIONS.
- 30. LOADING ALLOWANCE ON THE NEW DECK SHALL BE IN ACCORDANCE WITH SUBSECTION 501.18(B) OF THE STANDARD SPECIFICATIONS.
- 31. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF THE DECK BETWEEN THE DRIP BEADS.
- 32. NO BAR LISTS OR BENDING SCHEDULES ARE SHOWN ON THE PLANS. IT IS THE CONTRACTOR’S RESPONSIBILITY TO VERIFY THE VENDOR’S BAR LISTS AND SCHEDULES FOR QUANTITY, SIZE, AND SHAPE OF BAR REINFORCEMENT FOR CONSTRUCTING THE STRUCTURAL COMPONENTS SHOWN IN THE CONTRACT DOCUMENTS OR MADE A PART THEREOF.
- 33. TEST BARS SHALL BE PROVIDED PER THE MATERIALS SAMPLING MANUAL PROVIDED BY THE MATERIALS AND RESEARCH SECTION OF THE AGENCY OF TRANSPORTATION.
- 34. LAP AND MECHANICAL SPLICES THAT MEET THE REQUIREMENTS OF AASHTO AND SECTION 507 WILL BE PERMITTED TO ACCOMMODATE FABRICATION, TRANSPORTATION AND CONSTRUCTION REQUIREMENTS. THE COST ASSOCIATED WITH LAP AND MECHANICAL SPLICES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CORRESPONDING REINFORCING STEEL ITEM.

STONE FILL

- 35. THE STONE FILL, TYPE IV SHALL BE PLACED IN FRONT OF THE ABUTMENTS AFTER THE ABUTMENTS HAVE CURED AND BEFORE THE NEW FLOOR SYSTEM IS PUT IN PLACE.

PROJECT NAME: BRIDGEWATER	
PROJECT NUMBER: BRS 0149(4)	
FILE NAME: s86e062gen.dgn	PLOT DATE: 14-JAN-2010
PROJECT LEADER: K. HIGGINS	DRAWN BY: R. PELLETT
DESIGNED BY: T. FILLBACH	CHECKED BY: T. FILLBACH
GENERAL NOTES *1	SHEET 3 OF 58