

GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION 2008 STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 2002, AND ITS LATEST REVISIONS.
2. DIMENSIONS SHOWN ON EXISTING DETAILS ARE TAKEN FROM THE 1928 FABRICATION PLANS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING DETAILS NECESSARY FOR THE COMPLETION OF ALL WORK BY FIELD MEASUREMENT AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF, AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THEY HAVE MADE THE REQUIRED MEASUREMENTS ON THE EXISTING STRUCTURE. FOR EMPHASIS, SOME PROPOSED DIMENSIONS ARE NOTED AS "VERIFY IN FIELD" OR "VIF". THIS IS DONE FOR EMPHASIS ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND DETAILS AS NOTED PREVIOUSLY.
3. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AT 68 DEGREES FAHRENEH, UNLESS NOTED OTHERWISE.
4. EXISTING OVERHEAD UTILITIES SHALL REMAIN IN PLACE DURING CONSTRUCTION AND SHALL BE PROTECTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
5. EXISTING WATERLINE SHALL BE SUPPORTED AND PROTECTED IN PLACE DURING CONSTRUCTION IN ACCORDANCE WITH ITEM 900.645 SPECIAL PROVISION (TEMPORARY SUPPORT, WATER).
6. EXISTING FORCE MAIN SHALL BE SUPPORTED AND PROTECTED IN PLACE DURING CONSTRUCTION IN ACCORDANCE WITH ITEM 900.645 SPECIAL PROVISION (TEMPORARY SUPPORT, SEWER).
7. EXISTING SIGNAL HEADS AND FEEDER WIRES MOUNTED ON THE BRIDGE SHALL BE SALVAGED AND DELIVERED TO THE RICHMOND TOWN HIGHWAY DEPARTMENT (CONTACT PETER GOSSSELN - TOWN HIGHWAY FOREMAN FOR DETAILS AT (802)434-2631). COST TO BE INCIDENTAL TO ITEM 529.20.
8. EXISTING LIGHT FIXTURE AND FEEDER WIRES MOUNTED TO THE TRUSS ON THE SOUTHERN END OF THE STRUCTURE MAY BE REMOVED AND STORED DURING CONSTRUCTION AS NECESSARY TO FACILITATE WORK. PRIOR TO COMPLETION OF WORK, THE LIGHT SHALL BE REMOUNTED. THE CONTRACTOR SHALL SUBMIT DETAILS FOR REMOUNTING THE FIXTURE TO THE ENGINEER FOR APPROVAL. PAYMENT SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS. THE TOWN WILL BE RESPONSIBLE FOR TAKING THE NECESSARY STEPS TO RUN A NEW FEEDER WIRE AND TO RE-ENERGIZE THE FIXTURE.
9. ITEM 529.20 SHALL INCLUDE ALL REMOVAL AND DISASSEMBLY OF THE EXISTING STRUCTURE AS NECESSARY TO COMPLETE THE PROPOSED WORK, UNLESS NOTED OTHERWISE.
10. ALL LOOSE OR FLAKING PAINT ON MEMBERS THAT ARE TO BE REMOVED SHALL BE CONTAINED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH SUBSECTION 105.24 OF THE STANDARD SPECIFICATIONS.
11. STEEL GRID FLOORING FOR THE BRIDGE AND SIDEWALK WAS PRE-PURCHASED BY VTRANS AND WILL BE MADE AVAILABLE TO THE CONTRACTOR. REFER TO THE SPECIAL PROVISIONS FOR DETAILS.
12. CONTRACTOR SHALL RETAIN THE FABRICATOR OF THE STEEL GRID FLOORING TO ASSIST AND ADVISE THE INSTALLER IN TRANSPORTING AND ERECTING THE STEEL GRID FLOORING. ALL INSTRUCTIONS ON ERECTION AND FIELD CONNECTIONS PROVIDED BY THE MANUFACTURER SHALL BE ADHERED TO BY THE INSTALLER, TO THE SATISFACTION OF THE RESIDENT ENGINEER. COST INCLUDED IN ITEM 900.645 SPECIAL PROVISION (INSTALL STEEL GRID FLOORING, BRIDGE) AND ITEM 900.645 SPECIAL PROVISION (INSTALL STEEL GRID FLOORING, SIDEWALK).
13. BEARING DEVICE ASSEMBLIES WERE PRE-PURCHASED BY VTRANS AND WILL BE MADE AVAILABLE TO THE CONTRACTOR. REFER TO THE SPECIAL PROVISIONS FOR DETAILS.
14. ITEM 900.650 SPECIAL PROVISION (INCENTIVE/DISINCENTIVE) WILL BE USED FOR PAYMENT OF MONIES UNDER THE CONTRACT INCENTIVE/DISINCENTIVE CLAUSE.
15. THE EXISTING STRUCTURAL STEEL ON THIS PROJECT WAS PAINTED WITH A MATERIAL WHICH MAY CONTAIN LEAD. THE REMOVED STRUCTURAL STEEL IS THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE STATE, ITS OFFICERS AND EMPLOYEES HARMLESS CONCERNING THE CONTRACTOR'S USE OR DISPOSITION OF THE STRUCTURAL STEEL. TEN DAYS PRIOR TO COMMENCING WORK WHICH INVOLVES THE HANDLING OR DISTURBANCE OF PAINTED COMPONENTS, THE CONTRACTOR SHALL PROVIDE DOCUMENTS TO THE ENGINEER, AS REFERENCED IN SECTION 513 OF THE SPECIFICATIONS.
16. THE ABANDONED UTILITY CONDUIT MAY CONTAIN ASBESTOS. SEE SPECIAL PROVISIONS.

DETOUR NOTE

17. THE TOWN OF RICHMOND WILL BE RESPONSIBLE FOR SELECTING, SIGNING, AND MAINTAINING A DETOUR ROUTE AT NO COST TO THE STATE. THE TOWN WILL SIGN THE DETOUR ROUTE IN CONFORMANCE WITH 23 VSA SECTION 6025 AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

CONCRETE AND REINFORCING STEEL

18. CONSTRUCTION SIGNING NOT RELATED TO THE DETOUR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE INCIDENTAL TO ITEM 6410 TRAFFIC CONTROL.
19. CONCRETE FOR THE DECK, SIDEWALK DECK, EXPANSION JOINT BLOCKOUT AND CURBS SHALL BE HIGH PERFORMANCE CLASS AA AND WILL BE PAID FOR UNDER ITEM 501.32 CONCRETE, HIGH PERFORMANCE CLASS AA. ALL OTHER CONCRETE SHALL BE CONCRETE HIGH PERFORMANCE CLASS B AND WILL BE PAID FOR UNDER ITEM 501.34, UNLESS NOTED OTHERWISE.
20. ALL SUBSTRUCTURE REINFORCING STEEL SHALL BE PAID FOR UNDER ITEM 507.05, REINFORCING STEEL OR ITEM 507.17, EPOXY COATED REINFORCING STEEL.
21. ALL SUPERSTRUCTURE REINFORCING STEEL SHALL BE EPOXY COATED AND PAID FOR UNDER ITEM 507.17, EPOXY COATED REINFORCING STEEL UNLESS NOTED OTHERWISE.
22. VTRANS WILL PROVIDE DETAILED PLACEMENT DRAWINGS AND A SCHEDULE FOR THE REINFORCING STEEL REQUIRED FOR THE FLOORING AS DETAILED BY THE STEEL GRID FLOORING FABRICATOR. THE CONTRACTOR SHALL REVISE OR APPEND THESE DRAWINGS AND SCHEDULES AS NECESSARY TO ENCOMPASS ALL REINFORCEMENT TO BE INCLUDED IN THE FINAL CONFIGURATION OF THE DECK AND SHALL SUBMIT THEM FOR APPROVAL. APPENDED DRAWINGS SHALL INCLUDE ADDITIONAL STEEL REQUIRED FOR BRIDGE CURBS AND THE ENDS OF THE BRIDGE DECK. ALL DRAWINGS AND SCHEDULES OF REINFORCING BARS TO BE INCLUDED IN THE FINAL DECK CONFIGURATION SHALL BE IN ACCORDANCE WITH THE CURRENT CRSI "MANUAL OF STANDARD PRACTICE" AND SHALL BE TO A LEVEL OF DETAIL SUCH THAT THE REINFORCEMENT MAY BE PROPERLY FABRICATED, PLACED AND ITS MASS READILY COMPUTED. COST OF DETAILING TO BE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (INSTALL STEEL GRID FLOORING, BRIDGE).
23. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL.
24. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1"x1".
25. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.

STRUCTURAL STEEL

26. ALL SCUPPERS AND DOWNSPOUTS SHALL BE PAID FOR UNDER ITEM 506.60, "STRUCTURAL STEEL" AND SHALL CONFORM TO AASHTO M 270M/M 270 GRADE 36 UNLESS NOTED OTHERWISE.
27. ALL OTHER NEW STEEL SHALL BE PAID FOR UNDER ITEM 506.50, "STRUCTURAL STEEL, ROLLED BEAM" UNLESS NOTED OTHERWISE AND SHALL CONFORM TO AASHTO M 270M/M 270 GRADE 50 AND SHALL BE CHIPPY "Y" NOTCH TESTED, UNLESS NOTED OTHERWISE ON THE PLANS.
28. ALL NEW STEEL ELEMENTS SHALL BE GALVANIZED IN ACCORDANCE WITH SUBSECTION 506.50(A), COST INCLUDED IN THE UNIT BID PRICE FOR THE INDIVIDUAL ITEM. GALVANIZED MEMBERS SHALL BE AIR COOLED.
29. FIELD FABRICATION OF STRUCTURAL STEEL MEMBERS WILL NOT BE ALLOWED EXCEPT FOR FIELD DRILLING OF NEW MEMBERS WHERE HOLES MUST MATCH FASTENER LAYOUT IN EXISTING MEMBERS OR AS APPROVED IN WRITING BY THE RESIDENT ENGINEER.
30. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH SUBSECTION 714.05. BOLTS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCIDENTAL TO THE ASSOCIATED STRUCTURAL STEEL ITEM.
31. ALL STRUCTURAL COMPONENTS OF THE BRIDGE SHALL BE INSPECTED BY THE CONTRACTOR AND THE ENGINEER FOR ADDITIONAL AREAS IN NEED OF REPAIR NOT SHOWN ON THE CONTRACT DOCUMENTS. ANY ADDITIONAL REPAIRS SHALL BE MADE AT THE DISCRETION OF THE ENGINEER AND SHALL BE APPROVED BY THE ENGINEER. ADDITIONAL REPAIRS SHALL BE PAID FOR UNDER CONTRACT ITEM 506.50(A). CLEANING AND PAINTING FOR THESE REPAIRS SHALL BE IN ACCORDANCE WITH SECTION 513 OF THE STANDARD SPECIFICATIONS. COST INCIDENTAL TO ITEM 506.50, 2,000 POUNDS OF STEEL WAS INCLUDED IN THE ESTIMATED QUANTITY FOR ITEM 506.60 IN ANTICIPATION OF THE NEED FOR ADDITIONAL REPAIRS.
32. ANY EXISTING RIVETS THAT ARE MISSING OR REMOVED FOR REPAIRS AS DETAILED ON THE PLANS OR AS ORDERED BY THE ENGINEER SHALL BE REPLACED WITH 7/8" DIAMETER HIGH STRENGTH BOLTS. THE CONTRACTOR SHALL VERIFY THAT THE EXISTING HOLE DIAMETER IS 1/8" AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER. CONTRACTOR MAY BE REQUIRED TO DRILL HOLES AS DIRECTED BY ENGINEER. COST INCIDENTAL TO ASSOCIATED STRUCTURAL STEEL ITEM.

STRUCTURAL STEEL (CONTINUED)

33. ALL NEW CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS, MEETING AASHTO M 164 TYPE 1 GALVANIZED. REQUIRED BOLT LENGTH SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
34. CONNECTIONS NOT DETAILED SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
35. UNLESS OTHERWISE NOTED BOLTS SHALL BE INSTALLED WITH THE BOLT HEADS ON THE TOP OR EXPOSED ELEMENT OF THE CONNECTION.
36. ALL PAYING SURFACES OF THE EXISTING STEEL TO BE CONNECTED TO NEW STEEL SHALL BE BLAST CLEANED AND PRIMED WITH AN ORGANIC ZINC RICH PRIMER MEETING THE CLASS B SLIP COEFFICIENT VALUE OF NOT LESS THAN 0.50 AS SPECIFIED BY AASHTO. CONTAINMENT, SURFACE PREPARATION AND PAINTING SHALL BE IN ACCORDANCE WITH ITEMS 513.36, 513.41, AND 513.30 RESPECTIVELY. ALL EDGES OR SHARP DISCONTINUITIES SHALL BE STIRRE COATED WITH A BRUSH OR ROLLER.
37. WHERE RIVET HEADS ARE IN DIRECT CONTACT WITH MEMBERS TO BE RETAINED, THE CONTRACTOR SHALL USE EXTREME CARE NOT TO DAMAGE EXISTING MEMBERS WHILE REMOVING RIVETS. BEFORE PROCEEDING WITH REMOVAL OF RIVETS, THE CONTRACTOR SHALL DEMONSTRATE THE PROPOSED METHOD OF REMOVAL TO THE ENGINEER. SHOULD AT ANY TIME, IN THE JUDGMENT OF THE ENGINEER, THE REMOVAL METHOD CAUSE DAMAGE TO MEMBERS THAT ARE TO BE RETAINED, THE CONTRACTOR SHALL CEASE WORK UNTIL THEY CAN DEMONSTRATE A METHOD THAT DOES NOT RESULT IN DAMAGE.
38. THE BOTTOM CHORD OF THE TRUSS IS A FRACTURE CRITICAL MEMBER.
39. PRIOR TO ASSEMBLY, CONTACT SURFACES OF GALVANIZED STRESS-CARRYING MEMBERS SHALL BE LIGHTLY BRUSHED OR BLASTED TO A DULL GRAY APPEARANCE.
40. **EROSION CONTROL AND PROJECT DEMARCATION**
PAYMENT FOR EROSION PREVENTION AND SEDIMENT CONTROL MEASURES REQUIRED TO TEMPORARILY OR PERMANENTLY STABILIZE DISTURBED SOILS INCLUDING BUT NOT LIMITED TO TOPSOIL, SEED, FERTILIZER, LIMESTONE, EROSION MATTING, MULCH AND SILT FENCE SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS. ALL WORK SHALL BE COMPLETED IN CONFORMANCE WITH SECTION 105 OF THE VTRANS STANDARD SPECIFICATIONS.
41. ITEM 653.50 BARRIER FENCE SHALL BE INCLUDED IN THE CONTRACT TO PROTECT ARCHEOLOGICAL SENSITIVE AREAS OR AS DIRECTED BY THE ENGINEER.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	RICHMOND	Bridge No.	31
Highway No.	TAL #1	Log No.	BRCS-575
TOWN HIGHWAY #1 OVER WINOOSKI RIVER			
PROJECT NOTES			
Designed By	G. BOULÉ	Drawn By	T. KNIGHT
Checked By	Dora	Bridge Design Supervisor	
T. KNIGHT	09/09	G. BOULÉ	Date 09/09
PROJECT	RICHMOND	PROJECT NO.	BHF 0209(S)
CAD Draw	.../drawing/208932-107E5.dgn	Plot Date	09/29/2009
Bridge Sheet No.		Sheet	13 of 50

