

GENERAL NOTES

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION, AND ITS LATEST REVISIONS.
2. BRIDGE IS DESIGNED FOR HS 25 LIVE LOAD WITH NO ALLOWANCE FOR FUTURE PAVEMENT.
3. A) IN-STREAM CONSTRUCTION SHALL BE RESTRICTED TO JUNE 1 TO OCTOBER 1, UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE AGENCY OF NATURAL RESOURCES TO DO WORK OUTSIDE OF THAT TIME FRAME.
B) THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL APPLICABLE ENVIRONMENTAL PERMITS AND ENSURE THAT ALL CONDITIONS ARE MET.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SILTATION OR POLLUTION, ESPECIALLY THE DISCHARGE OF RAW CONCRETE, INTO ANY BROOK, STREAM OR RIVER.
5. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT UNLESS OTHERWISE NOTED.
6. 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.
7. THE EXISTING SUPERSTRUCTURE INCLUDING THE BEAMS, DECK AND RAILING SHALL BE REMOVED DOWN TO THE EXISTING BRIDGE SEATS. THE EXISTING CONCRETE ABUTMENTS AND PIER SHALL BE REMOVED TO THE EXISTING GROUND LEVEL AS SHOWN ON THE CROSS SECTION SHEETS. THIS WORK WILL BE PAID FOR UNDER ITEM 529.20, "PARTIAL REMOVAL OF STRUCTURE".
8. IN AREAS OF STONE FILL PLACEMENT, PORTIONS OF THE EXISTING ABUTMENTS THAT ARE BELOW GROUND LEVEL SHALL BE REMOVED AS PART OF ITEM 203.27, "UNCLASSIFIED CHANNEL EXCAVATION".
9. PAYMENT FOR REMOVAL OF EXISTING BITUMINOUS PAVEMENT ON THE BRIDGE SHALL BE MADE UNDER THE ITEM 529.10, "REMOVAL OF BRIDGE PAVEMENT". THE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY AT AN OFFSITE LOCATION.
10. REMOVAL OF EXISTING D.I. (STA. 10+93 LT.) SHALL BE PAID FOR UNDER ITEM 204.21, "TRENCH EXCAVATION OF ROCK". REMOVAL OF EXISTING 18" RCP (STA. 10+93 LT. - STA. 11+16 LT.) SHALL BE PAID FOR UNDER ITEM 204.20, "TRENCH EXCAVATION OF EARTH".

STRUCTURAL STEEL

11. NOT USED.
12. ANY CONNECTIONS THAT ARE NOT DETAILED ON THE PLANS SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED TO THE STRUCTURES ENGINEER FOR APPROVAL.
13. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF VERMONT SPECIFICATION 506.10.
14. ALL MEMBERS MARKED (CVN) MUST MEET THE CHARPY V-NOTCH TESTING REQUIREMENTS AS INDICATED IN SECTION 714 OF THE VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS FOR CONSTRUCTION.
15. ANY HOLES IN THE WEBS OF THE FASCIA BEAMS THAT ARE NOT OTHERWISE FILLED, SHALL BE FILLED WITH EITHER BUTTON HEAD OR HEX HEAD BOLTS MEETING ASTM SPECIFICATION A325, TYPE 3.
16. ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER AASHTO DESIGNATION M 184 TYPE 3 BOLTS IN 15/16" DIAMETER HOLES.
17. THE DESIGN OF THE FLEMING BRACKETS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE LIMITED TO A MAXIMUM OF FOUR FT. SPACING. THE CONTRACTOR SHALL SUBMIT THE DESIGN FOR REVIEW AND APPROVAL IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION SUBSECTION 501.09A.
18. END OF BEAMS ARE TO BE VERTICAL IN FINAL POSITION.

CONCRETE

19. THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
20. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" BY 1".
21. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
22. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
23. REINFORCING PLACEMENT TOLERANCES SHALL BE:
SPACING +/- 1 INCH
CLEARANCE +/- 1/4 INCH
24. MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS DETAILED IN THE PROJECT PLANS.
25. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL, OTHER BRIDGE SEAT AREAS SHALL BE SLOPED 1/2 INCH/FT. ABUTMENT SEATS SHALL BE SLOPED FULL WIDTH TOWARD THE CENTER SPAN. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE SMOOTHED WITH A MAGNESIUM FLOAT FINISH.
26. DECK POUR IS TO BE DONE IN ONE POUR WITHIN A MAXIMUM OF EIGHT HOURS. IF CIRCUMSTANCES BEYOND THE CONTRACTOR'S CONTROL PREVENT THIS FROM BEING ACCOMPLISHED, A MINIMUM DELAY OF NINETY-SIX HOURS BETWEEN THE COMPLETION OF ONE DAY'S POUR AND THE BEGINNING OF ANY OTHER POUR WILL BE ADHERED TO. SEE SHEET 48 FOR DETAIL OF TRANSVERSE BRIDGE SLAB CONSTRUCTION JOINT.
27. WATER REPELLENT (MOD.-SILANE) SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF THE DECK BETWEEN THE DRIP BEADS.
28. NO CONCRETE IN THE ABUTMENTS OR WINGWALLS SHALL BE PLACED ABOVE THE BRIDGE SEAT ELEVATIONS UNTIL THE BEAMS HAVE BEEN PROFILED AND THE FINISHED GRADE OF THE DECK HAS BEEN DETERMINED.
29. AFTER THE SUPERSTRUCTURE HAS BEEN ERRECTED, ELEVATIONS SHALL BE TAKEN ALONG THE TOP OF THE BEAMS, AS DIRECTED BY THE RESIDENT ENGINEER, FOR USE IN DETERMINING THE FINISHED GRADE.
30. ALL SUBSTRUCTURE CONCRETE, APPROACH SLABS, WELL BARRIER WALL, WELL HEAD AND D.I.'S SHALL BE CONCRETE, HIGH PERFORMANCE CLASS B, UNLESS OTHERWISE NOTED.
31. THE DECK AND CURBS SHALL BE CONCRETE, HIGH PERFORMANCE CLASS A.

TEMPORARY DETOUR

32. TRAFFIC WILL BE MAINTAINED ON THE EXISTING BRIDGE.
33. ACCESS TO DRIVES SHALL BE MAINTAINED. WHEN THE CONTRACTOR MUST TEMPORARILY RESTRICT ACCESS TO THE DRIVES, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS IN ADVANCE. THIS WORK WILL BE PAID FOR UNDER THE ITEM 641.10, "TRAFFIC CONTROL".

MISCELLANEOUS

34. THE EXISTING WALKWAY LOCATED BETWEEN STA. 50+48 LT. - STA. 50+91 LT. SHALL BE REMOVED. A NEW WALKWAY WILL BE INSTALLED AT APPROXIMATELY THE SAME LOCATION AND AS DIRECTED BY THE RESIDENT ENGINEER, WHO SHALL CONSULT WITH THE PROPERTY OWNER. THIS WORK WILL BE PAID FOR UNDER ITEM 618.10, "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (MOD.)". SEE SHEET 75 FOR ADDITIONAL DETAILS.
35. THERE WILL BE TWO 4 INCH DIAMETER MAPLE TREES PLANTED AT APPROXIMATE DRIVE STATIONS 50+70 LT 50+77 LT. THE RESIDENT ENGINEER SHALL CONSULT WITH THE PROPERTY OWNER REGARDING THE EXACT LOCATION OF THE TREES. (SEE SHEET 12 FOR APPROXIMATE LOCATION.) THE TREES WILL BE PAID FOR UNDER ITEM 656.30, "DECIDUOUS TREES (SUGAR MAPLE, ACER SACCHARUM, B&B, 4" CAL.)".
36. THE CEDAR HEDGES LOCATED BETWEEN APPROXIMATE DRIVE STATIONS 50+00 LT AND 50+51 LT SHALL BE REMOVED. THE HEDGES SHALL BE REPLACED WITH NEW 6 FT. CEDAR TREES. THE NEW TREES WILL BE PAID FOR UNDER THE ITEM 656.20, "EVERGREEN TREES (WHITE CEDAR-THUJA OCCIDENTALIS, B&B, 6 FT.)".
37. A) SPLIT RAIL FENCING LOCATED ON THE READING CEMETERY PROPERTY SHALL BE REMOVED AND WILL REMAIN THE PROPERTY OF THE CEMETERY COMMISSION. THE CONTRACTOR SHALL STOCKPILE THE FENCE MATERIALS ON THE CEMETERY LAND FOR USE BY THE CEMETERY AT A LATER DATE. CONTACT BETTY SWEET, CEMETERY COMMISSION, AT (802) 484-3397 AT LEAST ONE WEEK IN ADVANCE OF ANY WORK COMMENCING ON THE CEMETERY PROPERTY. THE REMOVAL OF THE FENCE WILL BE PAID FOR AS ITEM 620.55, "REMOVAL OF EXISTING FENCE".
B) THE FENCING WILL BE REPLACED WITH A SPLIT RAIL FENCE SIMILAR TO THE EXISTING. THE FENCING SHALL BE LOCATED OUTSIDE THE TOWN'S AND STATE'S RIGHT OF WAY. THE RESIDENT ENGINEER SHALL CONSULT WITH BETTY SWEET, CEMETERY COMMISSION TO DETERMINE THE EXACT LOCATION OF THE FENCING. THIS WORK SHALL BE PAID FOR AS ITEM 620.80, "MISCELLANEOUS FENCE (WOOD SPLIT RAIL)".
38. A) THE CONTRACTOR SHALL REPLACE THE GATE LOCATED AT STATION 16+05 LT (+/-) WITH A NEW GATE AS DETAILED ON VAOT STANDARD F4. THE CONTRACTOR SHALL CONSULT WITH BETTY SWEET OF THE CEMETERY COMMISSION AS TO THE LOCATION OF THE GATE. THE RESIDENT ENGINEER SHALL DETERMINE THE FINAL LOCATION OF THE GATE. PAYMENT FOR THE GATE AND ITS INSTALLATION SHALL BE MADE UNDER ITEMS 620.16, "GATE FOR CHAIN-LINK FENCE, 6 FEET" AND 620.21, "BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6 FEET."
B) THE EXISTING GATE SHALL BE REMOVED AND STOCKPILED AT A LOCATION DETERMINED BY THE RESIDENT ENGINEER IN CONJUNCTION WITH BETTY SWEET OF THE CEMETERY COMMISSION. THIS WORK WILL BE INCIDENTAL TO PAY ITEM 620.16, "GATE FOR CHAIN-LINK FENCE, 6 FT".
39. A WATER QUALITY AND QUANTITY TEST WILL BE PERFORMED FOR THE WELLS LOCATED AT STA. 11+97.9 LT. & STA. 15+42.0 RT. THIS WORK WILL BE PERFORMED BY AGENCY STAFF AND/OR DESIGNEES.
40. ANY STONE REMOVED FROM THE EXISTING STONEWALL LOCATED AT APPROXIMATELY STATION 12+25 RT TO STATION 13+85 RT WILL BE SAVED AND WILL REMAIN THE PROPERTY OF MR. PETER BENNETT (PROPERTY OWNER). THE CONTRACTOR SHALL REMOVE AND STOCKPILE THE STONE AT A LOCATION ON MR. BENNETT'S PROPERTY AGREED UPON BY MR. BENNETT AND THE RESIDENT ENGINEER. THIS WORK WILL BE PAID FOR WITH ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I".

WELL AT STATION 15+42 RT.

41. A) CONSTRUCTION OF THE NEW WELL HEAD BOX AND CAP LOCATED AT STA. 15+42 RT. SHALL BE AS DETAILED ON SHEET 58. THE CONTRACTOR SHALL KEEP CONTAMINANTS FROM ENTERING THE WELL HEAD DURING CONSTRUCTION.
B) THE RETAINING WALL LOCATED AT STA. 15+43.4 RT. SHALL BE BUILT AS DETAILED ON SHEET 58. THE CONTRACTOR SHALL USE EXTREME CARE AROUND THE WELL HEAD DURING CONSTRUCTION.
C) THE CONTRACTOR SHALL USE ONLY A NON-VIBRATORY ROLLER WHEN COMPACTING ANY MATERIALS WITHIN 100 FEET OF THE WELL AT STA 15+42 RT.

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GENERAL NOTES SHEET		SHEET	44 OF 83