

GENERAL NOTES:

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 FOURTH EDITION, DATED 2007, AND ITS LATEST REVISIONS. ALSO THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS SECOND EDITION, DATED 2004, AND ITS LATEST REVISIONS.
2. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 20°C, UNLESS OTHERWISE NOTED.
3. ALL ON AND OFF PROJECT CONSTRUCTION SIGNS AND BARRICADES AS REQUIRED BY RESIDENT ENGINEER, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PAID FOR UNDER THE ITEM 641.10 "TRAFFIC CONTROL".
4. ANY EXISTING SIGNS OR BARRICADES NOT REUSED SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE STOCKPILED IN A SUITABLE PLACE FOR REMOVAL BY THE DISTRICT. DISTRICT 6 DTA IS WAYNE GAMMELL, HE CAN BE REACHED AT 828-2691 TO ARRANGE FOR PICK UP.
5. THE BRIDGE PLAQUE SHALL BE FURNISHED BY THE AGENCY OF TRANSPORTATION AND INSTALLED BY THE CONTRACTOR AS SHOWN ON SHEET 23.
6. THE 1600mm DIAMETER PENSTOCK NEAR THE SOUTHERN ABUTMENT (ABUTMENT #1) SHALL NOT BE DISTURBED. ANY DAMAGE TO THE PENSTOCK BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
7. A TEMPORARY PEDESTRIAN BRIDGE SHALL BE CONSTRUCTED UPSTREAM OF THE EXISTING BRIDGE AND SHALL BE PAID FOR UNDER ITEM 528.12 "TEMPORARY PEDESTRIAN BRIDGE". THE BRIDGE SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF THE PROJECT.
8. GRANITE BLOCKS FROM THE EXISTING ABUTMENTS ARE TO BE USED TO BUILD A WALL SO A DRAINAGE SWALE CAN BE BUILT. THE DRAINAGE SWALE IS TO BE LOCATED FROM STA 1+139RT - 1+161RT AND SHALL BE ORIENTED ACCORDING TO THE RESIDENT ENGINEER. THE SWALE IS TO EXTEND AROUND THE CORNER OF THE BUILDING WITH THE INTENT OF KEEPING THE RUN OFF AWAY FROM ALL STRUCTURES. THIS WORK IS CONSIDERED TO BE INCIDENTAL TO ITEM 529.15 "REMOVAL OF STRUCTURE".
9. AN ESTIMATED AMOUNT OF 2 CM OF ITEM 204.21, "TRENCH EXCAVATION OF ROCK" HAS BEEN ADDED FOR EXCAVATION FOR THE CONSTRUCTION OF NEW CULVERTS AND DROP INLETS.
10. THE EXISTING STEEL IS PAINTED WITH A MATERIAL THAT MAY CONTAIN LEAD. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE REGULATIONS WHEN HANDLING AND WORKING WITH THIS STEEL. 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 REMOVED EXISTING STRUCTURAL STEEL.
11. FOR INFORMATION REGARDING UTILITIES, SEE THE SPECIAL PROVISIONS.
12. NO BEDROCK SHALL BE EXCAVATED TO PLACE STONE FILL TYPE IV. ANY SMOOTH BEDROCK SHALL BE ROUGHENED TO KEY IN THE STONE FILL IF DEEMED NECESSARY BY THE RESIDENT ENGINEER. PAYMENT FOR ANY ROUGHENING OF BEDROCK SHALL BE CONSIDERED INCIDENTAL TO ITEM 613.13, "STONE FILL, TYPE IV".
13. LINE STRIPING TARGETS, IF USED, SHALL BE INCLUDED IN ITEM 641.10 "TRAFFIC CONTROL".

CONCRETE NOTES:

14. THE CURBS AND CURTAIN WALLS SHALL ALL BE MADE OF CONCRETE, HIGH PERFORMANCE CLASS A. ALL OTHER CONCRETE SHALL BE CONCRETE, HIGH PERFORMANCE CLASS B UNLESS NOTED OTHERWISE.
15. REINFORCING STEEL PLACEMENT TOLERANCE SHALL BE AS FOLLOWS:

SPACING	+/-	25mm
CLEARANCE	+/-	6mm
16. ALL REINFORCING STEEL IN THE DECK, CURTAIN WALLS AND CURBS SHALL BE EPOXY COATED. THE EPOXY COATED REBAR IN THE CURB AND CURTAIN WALLS SHALL BE PAID FOR UNDER THE ITEM 507.17 "EPOXY COATED REINFORCING STEEL".
17. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 25mm X 25mm.
18. JOINTS AND SCORE MARKS IN THE CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
19. ITEM 514.10, "WATER REPELLENT, SILANE" SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF THE DECK BETWEEN DRIP NOTCHES.
20. THE SURFACE OF BRIDGE SEATS UNDER THE BEARING DEVICES SHALL BE LEVEL. OTHER AREAS OF THE BRIDGE SEAT SHALL BE SLOPED 0.02%. THE ABUTMENT SEATS SHALL BE SLOPED FULL WIDTH TOWARD MIDSPAN AND THE ENTIRE BRIDGE SEAT SHALL BE GIVEN A MAGNESIUM FLOAT FINISH. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 501.34 "CONCRETE, HIGH PERFORMANCE CLASS B".
21. IN ACCORDANCE WITH SUBSECTION 506.23 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND AS DIRECTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL SUBSTRUCTURE CONCRETE FROM STAINING DUE TO OXIDATION FORMATION ON THE STRUCTURAL STEEL. THESE MEASURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 501.34 "CONCRETE, HIGH PERFORMANCE CLASS B". ANY SUCH STAINING THAT OCCURS PRIOR TO PLACEMENT OF THE CURTAIN WALLS SHALL BE REMOVED AT NO ADDITIONAL COST TO THE STATE.

SUBSTRUCTURES ON BEDROCK:

22. FOOTINGS OR SUBFOOTINGS FOR SUBSTRUCTURES FOUNDED ON BEDROCK SHALL BE PLACED ON CLEAN COMPETENT ROCK. ALL LOOSE ROCK AND DEBRIS SHALL BE REMOVED.
23. UPON COMPLETION OF THE EXCAVATION FOR SUBSTRUCTURES FOUNDED ON BEDROCK AND PRIOR TO PLACING FORMWORK, THE RESIDENT ENGINEER SHALL NOTIFY THE PROJECT MANAGER AND THE VTRANS SOILS AND FOUNDATION ENGINEER. THE SOILS AND FOUNDATION ENGINEER WILL DETERMINE IF THE BEDROCK IS COMPETENT TO OBTAIN THE NOMINAL BEARING RESISTANCE AS SHOWN ON THE PLANS. FIVE (5) WORKING DAYS FROM NOTIFICATION SHALL BE ALLOWED TO MAKE THE INSPECTION AND THE DETERMINATION FOR THE COMPETENCY OF THE BEDROCK.
24. ONCE THE ELEVATION OF COMPETENT BEDROCK HAS BEEN DETERMINED, THE CONTRACTOR SHALL PROVIDE A BEDROCK PROFILE TO THE PROJECT MANAGER TO DETERMINE WHETHER THE DESIGN BOTTOM OF FOOTING ELEVATION SHALL BE RAISED OR LOWERED AND WHETHER A SUBFOOTING SHALL BE REQUIRED. FOOTING ELEVATIONS SHALL NOT BE ADJUSTED WITHOUT APPROVAL OF THE PROJECT MANAGER. THREE (3) WORKING DAYS FROM RECEIPT OF THE BEDROCK PROFILE SHALL BE ALLOWED TO MAKE THIS DETERMINATION. NO WORK SHALL BE DONE ON THE FOOTINGS UNTIL A REPLY IS RECEIVED.
25. THE LIMITS OF SUBFOOTINGS SHALL BE 300mm OUTSIDE OF THE HORIZONTAL LIMITS OF THE FOOTING. THE TOP SURFACE OF ALL SUBFOOTINGS SHALL BE INTENTIONALLY ROUGHENED TO 6mm AMPLITUDE.
26. ANY CONCRETE REQUIRED FOR SUBFOOTINGS SHALL BE PAID FOR WITH ITEM 541.30 CONCRETE, CLASS C. AN ESTIMATED QUANTITY OF 50 CM OF ITEM 541.30 HAS BEEN INCLUDED IN THE CONTRACT.
27. ANY BEDROCK THAT NEEDS TO BE REMOVED SHALL BE PAID FOR WITH THE CORRESPONDING EXCAVATION ITEM INCLUDED IN THE CONTRACT. OVERBREAKAGE BEYOND THE AVERAGE MAXIMUM ALLOWANCE SPECIFIED IN SUBSECTIONS 204.09 (B) (1) AND 208.11 (C) WILL BE AT THE CONTRACTOR'S EXPENSE.
28. DOWELS SHALL BE DRILLED AND GROUTED INTO BEDROCK WHEN SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER. THE DOWELS SHALL HAVE A 600mm MINIMUM EMBEDMENT IN THE BEDROCK AND SHALL EXTEND IN THE FOOTING OR SUBFOOTING A MINIMUM OF 450mm, UNLESS NOTED OTHERWISE.

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GENERAL NOTES	