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, THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, DATED 2010, AND ITS LATEST REVISIONS, AND THE VTRANS STRUCTURES DESIGN MANUAL.

2. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.

3. ITEM 529.15 "REMOVAL OF STRUCTURE (1030 SF-EST)" SHALL BE USED FOR REMOVAL OF THE EXISTING BRIDGE SUPERSTRUCTURE AND PORTIONS OF THE ABUTMENTS AND WINGWALLS, INCLUDING THE EXISTING RETAINING WALL AS DETAILED IN THE PLANS.

4. 1 ½" OF TEMPORARY PAVEMENT SHALL BE PLACED ON TOP OF SUBBASE AND THE BRIDGE DECK PRIOR TO WINTER SHUT DOWN. THE PAVEMENT NEED NOT MEET THE MIX DESIGN SUBMITTAL AND PLANT INSPECTION REQUIREMENTS SET FORTH IN SECTION 406 OR 490. THE TEMPORARY PAVEMENT ON THE BRIDGE DECK SHALL BE REMOVED IN THE SPRING TO ALLOW FOR MEMBRANE AND FINAL PAVEMENT.

5. PERMANENT STEEL SHEET PILING SHALL BE INSTALLED IN FRONT OF THE SUBFOOTING AT THE LOCATION SHOWN ON THE PLANS. PILING SHALL BE DRIVEN TO BEDROCK BUT NEED NOT EXCEED TEN FEET IN LENGTH. THE SHEET PILING SHALL HAVE A MINIMUM SECTION MODULUS OF 40 IN^3. SHEAR STUDS SHALL BE INSTALLED AS SHOWN IN THE PLANS. STUDS SHALL BE CONSIDERED INCIDENTAL TO THE STEEL SHEETING ITEM.

6. DEWATERING SHALL BE INCLUDED IN ITEM 204.25, "STRUCTURE EXCAVATION".

CONCRETE

7. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES, EXCEPT THE UNDERSIDE OF THE BRIDGE.

8. REINFORCING STEEL PLACEMENT TOLERANCES SHALL BE:
   SPACING: +/- 1 INCH
   CLEARANCE: +/- 1/4 INCH

9. PRECAST TOLERANCES:
   HEIGHT/WIDTH: +/- 1/4 INCH
   LENGTH: +/- 1/2 INCH

10. THE SURFACE OF THE 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".

11. CONCRETE FOR THE SUBFOOTING SHALL BE CONCRETE, HIGH PERFORMANCE CLASS B.

PRECAST CONCRETE/STEEL COMPOSITE SUPERSTRUCTURE

12. REINFORCING STEEL SHALL BE EPOXY COATED PER SUBSECTION 713.07.

13. HOLES ON ONE END OF THE DIAPHRAGMS LOCATED BETWEEN UNITS MAY BE FIELD DRILLED.

14. EDGES OF THE PRECAST CONCRETE DECK SHALL BE FORMED STRAIGHT SO THAT A CONSISTENT GAP EXISTS BETWEEN ADJACENT UNITS.

SUBSTRUCTURE ON BEDROCK

15. FOOTINGS OR SUBFOOTINGS FOR SUBSTRUCTURES FOUNDED ON BEDROCK SHALL BE PLACED ON CLEAN COMPETENT ROCK. ALL LOOSE ROCK AND DEBRIS SHALL BE REMOVED.

16. 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 SUBSECTION 204.09(B)(1) WILL BE AT THE CONTRACTOR'S EXPENSE.

17. DOWELS SHALL BE DRILLED AND GROUTED INTO BEDROCK WHEN SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER. THE DOWELS SHALL HAVE A TWO FOOT MINIMUM EMBEDMENT IN THE BEDROCK AND SHALL EXTEND INTO THE FOOTING OR SUBFOOTING A MINIMUM OF EIGHTEEN INCHES, UNLESS NOTED OTHERWISE.

TRAFFIC CONTROL

18. AS PART OF THE 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE) ITEM, THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL. SEE SPECIAL PROVISIONS.

19. THE BRIDGE SHALL BE CLOSED TO TRAFFIC DURING CONSTRUCTION.

PROJECT NAME: ROXBURY
PROJECT NUMBER: BHF 0187(8)

FILE NAME: s10c420note.dgn
PROJECT LEADER: C. P. WILLIAMS
DESIGNED BY: G. ROY
GENERAL NOTES

PLOT DATE: 21-SEP-2011
DRAWN BY: G. ROY
CHECKED BY: R. YOUNG
SHEET 8 OF 54