

- GENERAL NOTES:**
1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AND ITS LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION, 2010 WITH LATEST INTERIM REVISIONS.
  2. DIMENSIONS, ANGLES, BEARINGS, AND ELEVATIONS OF THE EXISTING BRIDGES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES AND LIMITED FIELD INVESTIGATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENT OF ALL EXISTING STRUCTURE COMPONENTS TO ASSURE CONSISTENCY WITH THE PROPOSED MODIFICATIONS. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER, OR EXTENT OF THE EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK. WORKING DRAWINGS REQUIRED FOR VARIOUS ITEMS OF WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS AND SHALL BE SO NOTED.
  3. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.
  4. EXISTING RAIL TRAIL RIGHT-OF-WAY LINES SHOWN ON THESE PLANS ARE BASED ON VALUATION MAPS OBTAINED FROM THE VERMONT AGENCY OF TRANSPORTATION.
  5. THE CONTRACTOR SHALL CONTACT "DIG SAFE" (1-888-344-7233) AND ALL AFFECTED UTILITY COMPANIES PRIOR TO PERFORMING ANY EXCAVATION, IN ACCORDANCE WITH DIG SAFE'S RULES OF NOTIFICATION. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
  6. NO BACKFILL SHALL BE PLACED AGAINST ANY STRUCTURAL ELEMENTS UNTIL THE ENGINEER HAS APPROVED THE WORK. THE CONTRACTOR, AT THE EXPENSE OF THE CONTRACTOR, SHALL REPAIR DAMAGE TO WALLS OR SUBSTRUCTURE COMPONENTS RESULTING FROM IMPROPER BACKFILLING.
  7. EXTREME CARE SHALL BE TAKEN WITH THE EXISTING STRUCTURAL COMPONENTS TO BE RETAINED. ANY DAMAGE TO EXISTING STRUCTURAL COMPONENTS TO BE RETAINED SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE STATE.
  8. REFERENCE VTRANS STANDARD DRAWING A-79 FOR ADDITIONAL INFORMATION REGARDING THE RAIL TRAIL TYPICAL SECTION.

- CONCRETE NOTES:**
1. ALL CAST-IN-PLACE CONCRETE USED IN THIS PROJECT SHALL BE HIGH PERFORMANCE, CLASS B, PAID UNDER ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B".
  2. ITEM 514.10, "WATER REPELLENT, SILANE" SHALL BE APPLIED TO ALL NEW, EXPOSED CONCRETE SURFACES.
  3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" X 1".

- REINFORCING STEEL NOTES:**
1. ALL REINFORCING STEEL SHALL BE GRADE 60, CONFORMING TO SECTION 507 OF THE SPECIFICATIONS. REINFORCING STEEL SHALL BE UNCOATED UNLESS OTHERWISE NOTED.
  2. THE MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" ALONG WALL FACES AGAINST EARTH, AND 3" ELSEWHERE, UNLESS DETAILED OTHERWISE.
  3. REINFORCING STEEL PLACEMENT TOLERANCES SHALL BE AS FOLLOWS:

SPACING +/- 1"  
CLEARANCE +/- 1/4"

**BRIDGE 98 SPECIFIC NOTES:**

1. THE EXISTING ABUTMENT NO. 1 (SOUTH ABUTMENT) SHALL BE REMOVED TO THE LIMITS SHOWN IN THE PLANS. THE REMOVAL SHALL BE LIMITED TO THE CONCRETE PORTION OF THE ABUTMENT, CAP AND WINGWALLS, AS SHOWN IN THE PLANS. ~~THE DISPLACED EXISTING STONE BLOCKS SHALL BE REMOVED AND RESET AS INDICATED IN THE PLANS. PAYMENT FOR CONCRETE ABUTMENT REMOVAL SHALL BE MADE UNDER ITEM 529.25, "REMOVAL OF CONCRETE OR MASONRY". PAYMENT FOR REMOVING AND RESETTING THE EXISTING STONE BLOCKS SHALL BE MADE UNDER ITEM 602.35, "REBUILD STONE MASONRY".~~
2. IF THE CONTRACTOR'S CHOSEN METHODS REQUIRE REMOVING THE BRIDGE SUPERSTRUCTURE OR ANY COMPONENT OF THE SUPERSTRUCTURE IN ORDER TO COMPLETE THE WORK, EXTREME CARE SHALL BE TAKEN NOT TO DAMAGE ANY OF THE COMPONENTS. ANY COMPONENTS REMOVED SHALL BE REATTACHED IN THE ORIGINAL MANNER, OR AS APPROVED BY THE ENGINEER. ANY DAMAGE TO EXISTING SUPERSTRUCTURE COMPONENTS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE STATE. REMOVING AND RESETTING OF THE BRIDGE SUPERSTRUCTURE, OR ANY COMPONENT OF THE SUPERSTRUCTURE WILL BE PAID FOR UNDER ITEM 502.10, "SHORING SUPERSTRUCTURE".
3. THE EXISTING BRIDGE SUPERSTRUCTURE CONSISTS OF FOUR RIVETED STEEL GIRDERS WITH CROSS BRACING. RIVETED TO THE CONCRETE ABUTMENTS. THE DECKING CONSISTS OF 5" OAK LAMINATED TIMBER PANELS, 9/4" THICK X 12'-0" WIDE, WITH TIMBER CURBING, RAILING, AND DOURIDGERS. THE WEIGHT OF SUPERSTRUCTURE COMPONENTS IS AS FOLLOWS:  
STEEL GIRDERS AND CROSS BRACING = 23,400 LB  
TIMBER DECKING, CURBING, AND RAILING = 15,900 LB
4. ~~THE DISPLACED EXISTING STONE BLOCKS UNDER THE UPSTREAM CORNER OF ABUTMENT NO. 1 SHALL BE REMOVED FROM THEIR POSITION AND JOINTLY INSPECTED BY THE ENGINEER AND CONTRACTOR. UNSUITABLE STONE BLOCKS SHALL BE REPLACED WITH BLOCKS OF SIMILAR SIZE, SHAPE AND TYPE AS THE EXISTING ADJACENT BLOCKS. THE ENGINEER SHALL APPROVE THE USE OF ANY REPLACEMENT BLOCKS. PAYMENT FOR INSPECTING THE DISPLACED STONE BLOCKS AND SUPPLYING AND INSTALLING ANY NEW STONE BLOCKS WILL BE MADE UNDER ITEM 602.35, "REBUILD STONE MASONRY".~~
5. THE EXISTING FOUNDATION MATERIAL SHALL BE EXCAVATED TO THE LIMITS SHOWN ON THE PLANS. ANY UNSUITABLE EXISTING FOUNDATION MATERIAL, AS DETERMINED BY THE ENGINEER, SHALL BE REMOVED AND REPLACED WITH ITEM 204.30, "GRAVELLAR BACKFILL FOR STRUCTURES PRIOR TO PREPARATION OF THE NEW FOUNDATION, AND RESETTING OF THE STONE BLOCKS. **501.34 CONCRETE, HIGH PERFORMANCE CLASS B.**
6. ~~THE EXISTING STONE BLOCKS (AND ANY NEW BLOCKS) SHALL BE SET TO FORM A LEVEL, STABLE BASE FOR THE NEW PARTIAL ABUTMENT CAP AND WINGWALL, AS DIRECTED BY THE ENGINEER. CONSTRUCTION OF THE ABUTMENT CAP AND WINGWALL SHALL NOT BEGIN UNTIL THE ENGINEER HAS APPROVED THIS WORK.~~
7. THE PERMANENT STEEL SHEET PILING SECTIONS SHALL BE PZ-22 MEETING THE REQUIREMENTS OF SECTION 505 OF THE SPECIFICATIONS. WELDED STUDS SHALL MEET THE REQUIREMENTS OF SECTION 508 OF THE SPECIFICATIONS.
8. REPAIRING ABUTMENT NO. 1 SHALL BE COMPLETED IN THE DRY. CHANNEL WORK NEED NOT BE COMPLETED IN THE DRY PROVIDED THAT APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE IMPLEMENTED, AS DETAILED IN THE PLANS.
9. GRUBBING MATERIAL SHALL BE PLACED ON ALL STONE FILL OVER THE OHM ELEVATION, AS SHOWN ON THE PLANS. PAYMENT SHALL BE MADE UNDER ITEM 651.40, "GRUBBING MATERIAL".

PROJECT NAME: RUPERT  
PROJECT NUMBER: RREW12N

FILE NAME: ...\\sco01\files\2037400\061616.dgn  
PROJECT LEADER: J. TUCKER  
DESIGNED BY: R. BARNES  
PROJECT NOTES

PLOT DATE: 4/29/2013  
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SHEET 7 OF 100