GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AND ITS LATEST REVISIONS, THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION, DATED 2010, WITH LATEST INTERIM REVISIONS, AND AASHTO LRFD GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION.

2. ALL WORK PERFORMED BY THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND REQUIREMENTS.

3. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.

4. DIMENSIONS, ANGLES, BEARINGS, AND ELEVATIONS OF THE EXISTING BRIDGE SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM LIMITED FIELD INVESTIGATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENTS OF ALL EXISTING STRUCTURE COMPONENTS TO ASSURE CONSISTENCY WITH THE PROPOSED MODIFICATIONS PRIOR TO ORDERING MATERIALS. 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 (V.I.F. = VERIFY IN FIELD).

5. THE EXISTING RIGHT-OF-WAY AS SHOWN ON THESE PLANS WAS OBTAINED FROM INFORMATION PROVIDED BY THE TOWN. ALL WORK SHALL BE COMPLETED WITHIN THE EXISTING RIGHT-OF-WAY. IF THE CONTRACTOR DESIRES TO WORK OUTSIDE OF THE EXISTING RIGHT-OF-WAY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE NECESSARY RIGHTS.

6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SAFETY, AND MEANS AND METHODS TO PERFORM AND COMPLETE THE WORK.

7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND DETERMINING ALL UTILITIES (ABOVE AND BELOW GROUND) WITHIN THE PROJECT LIMITS, AND TO TAKE THE NECESSARY PRECAUTIONS TO PROTECT UTILITIES DURING CONSTRUCTION. CONTACT DIG-SAFE AT 1-800-DIG-SAFE (WWW.DIGSAFE.COM).

8. ALL WORK MUST BE DONE IN THE DRY. CONTRACTOR IS RESPONSIBLE FOR DIVERTING, PUMPING, OR OTHERWISE CONTROLLING WATER AS NECESSARY. PAYMENT FOR DIVERTING WATER, PUMPING, DEWATERING, OR OTHERWISE CONTROLLING WATER SHALL BE UNDER TO ITEM 208.40, "COFFERDAM".

9. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.

10. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS OF THE SITE AND SURROUNDINGS PRIOR TO BIDDING ON OR PERFORMING THE WORK.

11. THE CONTRACTOR SHALL BID AND PERFORM THE WORK FROM A COMPLETE SET OF PLANS AND SPECIFICATIONS, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS WITHIN THE CONSTRUCTION DOCUMENTS.

12. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED WITHIN THE IDENTIFIED CONSTRUCTION LIMITS. ANY NEED TO GO BEYOND THESE LIMITS MAY TRIGGER ADDITIONAL PERMITTING REQUIREMENTS AND WILL REQUIRE PRIOR WRITTEN APPROVAL BY OWNER AND ENGINEER.

13. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONDITIONS THAT ARE UNEXPECTED, UNKNOWN AND/OR NOT INDICATED ON THE DRAWINGS AND SHALL PROCEED AS DIRECTED BY THE ENGINEER.

14. NO DEVIATION OR DEPARTURE FROM THE DESIGN INTENT PRESENTED IN THE CONTRACT DOCUMENTS WILL BE ALLOWED UNLESS AUTHORIZED BY THE ENGINEER.

15. ALL STANDING EXISTING TREES TO REMAIN UNLESS OTHERWISE IDENTIFIED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.

STRUCTURE REMOVAL NOTES:

1. THE FOLLOWING COMPONENTS OF THE VILLAGE COVERED BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR:

   A. EXISTING MODULAR BLOCK WINGWALL IN SOUTHEAST CORNER
   B. EXISTING BACKWALLS, TO THE LIMITS SHOWN ON THE PLANS
   C. EXISTING CANTILEVERED COVERED BRIDGE WALKWAY, TO THE LIMITS SHOWN ON THE PLANS.
   D. THE EXISTING SIDEWALK ROOF RAFTERS, ROOF SHEATHING, AND CEDAR SHINGLES, TO THE LIMITS SHOWN ON THE PLANS.
   E. THE EXISTING WOOD WALKWAY IN THE NORTHEAST CORNER
   F. EXISTING TIMBER TRUSS DECKING, TO THE LIMITS SHOWN ON THE PLANS
   G. EXISTING TIMBER FLOOR BEAMS, AS INDICATED.

EXCEPT AS NOTED OTHERWISE, ITEM 529.20, "PARTIAL REMOVAL OF STRUCTURE" SHALL INCLUDE ANY WORK NECESSARY TO FACILITATE AND ACCOMPLISH THE SCOPE OF WORK AS INDICATED BY THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE ENGINEER: REMOVING AND DISPOSING SUPERSTRUCTURE MEMBERS AND PORTIONS OF MEMBERS; AS WELL AS REMOVING AND STOCKPILING MEMBERS AND PORTIONS OF MEMBERS FOR RE-USE, INCLUDING REMOVING STOCK PILING MEMBERS FOR THE CONTRACTOR'S METHODS OF REHABILITATION.

FOUNDATION NOTES:

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

2. IF COMPETENT BEDROCK (AS DETERMINED BY THE ENGINEER) IS WITHIN 1'-0" BELOW THE DESIGN BOTTOM OF FOOTING FOR THE EXTENT OF THE SUBSTRUCTURE AS SHOWN IN THE PLANS, THE FOOTING MAY BE PLACED INTEGRALLY TO THE TOP OF THE BEDROCK USING THE CONCRETE ITEM SPECIFIED FOR THE FOOTING AT THE CONTRACT UNIT PRICE.

3. WHERE COMPETENT BEDROCK IS BELOW THE DESIGN BOTTOM OF FOOTING BY MORE THAN 1'-0" FOR ANY PORTION OF THE SUBSTRUCTURE, A SUBFOOTING WILL BE REQUIRED. IF A SUBFOOTING IS REQUIRED, THE TOP SURFACE OF THE SUBFOOTING SHALL BE INTENTIONALLY ROUGHENED TO A 1/4" MAGNITUDE.

4. WHERE COMPETENT BEDROCK IS ABOVE THE DESIGN BOTTOM OF FOOTING ELEVATION, IT SHALL BE REMOVED WITH CONTRACT PAY ITEMS UPON CONSULTATION WITH THE ENGINEER. IF THE ENGINEER DETERMINES THE DESIGN BOTTOM OF FOOTING ELEVATION IS SIGNIFICANTLY BELOW THE BEDROCK ELEVATION, THE CONTRACTOR SHALL PROVIDE A BEDROCK PROFILE TO THE ENGINEER FOR DETERMINATION OF REVISED FOOTING STEPS.

5. REMOVAL OF ANY BEDROCK IMMEDIATELY ADJACENT TO THE EXISTING BRIDGE SHALL BE COMPLETED USING A CONTROLLED METHOD SUCH AS THE CHEMICAL EXPANSION METHOD, SO AS NOT TO DISTURB THE EXISTING STRUCTURE. ANY PRODUCT USED SHALL BE ACCORDING TO MANUFACTURER'S DIRECTION. PAYMENT FOR DRILLING AND BREAKAGE SHALL BE UNDER ITEM 205.10, "DRILLING AND BLASTING OF SOLID ROCK".

6. OVERBREAKAGE AND REPLACEMENT WITH THE FOOTING CONCRETE BEYOND THE MAXIMUM ALLOWANCE SPECIFIED IN SUBSECTION 208.11(c) WILL BE AT THE CONTRACTOR'S EXPENSE.

7. STEEPLY SLOPED LEDGE SURFACES (EXCEEDING 4 H:1 V) SHALL BE BENCH CUT AS DIRECTED BY THE THE ENGINEER. PAYMENT SHALL BE UNDER ITEMS 205.10, "DRILLING AND BLASTING OF SOLID ROCK" AND ITEM 204.25, "STRUCTURE EXCAVATION" OR ITEM 208.35, "COFFERDAM EXCAVATION, ROCK".

8. DOWELS SHALL BE DRILLED AND GROUTED INTO BEDROCK WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE DOWELS SHALL HAVE A 2'-0" MINIMUM EMBEDMENT INTO THE BEDROCK AND SHALL EXTEND THROUGH THE SUBFOOTING, IF USED. DRILLED HOLES SHALL BE 1" DIA. LARGER THAN DOWEL.

CONCRETE AND REINFORCING NOTES:

1. CONCRETE PAYMENT AND CLASSIFICATION SHALL BE AS FOLLOWS:

   ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B" (FOOTINGS, ABUTMENTS, WINGWALLS, RETAINING WALL, REPAIR AREAS AS INDICATED)
   ITEM 541.30, "CONCRETE, CLASS C" (SUBFOOTINGS)

2. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4".

3. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL NEW AND EXISTING, EXPOSED CONCRETE SURFACES. PAYMENT SHALL BE MADE UNDER ITEM 514.10, "WATER REPELLENT, SILANE".

4. REINFORCING STEEL IN THE ABUTMENT, WINGWALLS, AND RETAINING WALL SHALL CONFORM TO SECTION 507 OF THE SPECIFICATIONS AND BE COATED AS FOLLOWS:

FOOTINGS:	PLAIN, UNCOATED
STEM, SEAT, AND BACKWALLS:	EPOXY COATED

5. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO SECTION 713 OF THE SPECIFICATIONS AND BE FURNISHED IN FLAT SHEETS.

6. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LENGTHS AND REINFORCING BAR BENDS BASED ON THESE DRAWINGS.

7. PAYMENT FOR PLAIN AND EPOXY COATED REINFORCING STEEL SHALL BE MADE UNDER ITEM 507.11, "REINFORCING STEEL, LEVEL 1".

8. MINIMUM CLEAR COVER FOR REINFORCING STEEL SHALL BE 3", EXCEPT FOR ALONG THE BACK FACES OF WALLS AGAINST EARTH SHALL BE 2".

9. A MINIMUM OF 4" CLR. SHALL BE MAINTAINED FROM EXISTING CONCRETE SURFACES WHEN DRILLING AND GROUTING. DRILLED HOLES SHALL BE 1" DIA. LARGER THAN DOWEL.

10. DOWELS SHALL BE GROUTED WITH TYPE IV MORTAR, LISTED ON THE VERMONT AGENCY OF TRANSPORTATION'S APPROVED PRODUCTS LIST, OR OTHER APPROVED MATERIAL.

CONCRETE REPAIR NOTES:

1. AREAS INDICATED FOR CONCRETE REPAIR ON THE PLANS ARE APPROXIMATE. EXISTING ABUTMENTS AND CONCRETE SUPPORT EXTENSIONS SHALL BE INSPECTED FOR DETERIORATED CONCRETE JOINTLY BY THE ENGINEER AND CONTRACTOR. ALL AREAS OF EXISTING CONCRETE DETERMINED BY THE ENGINEER TO BE SUFFICIENTLY DETERIORATED TO REQUIRE REPAIR SHALL BE MARKED FOR REPAIR. ALL INSPECTION, REMOVAL OF LOOSE OR UNFIT CONCRETE, AND CLEANING SHALL BE PAID FOR UNDER ITEM 580.13, "REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS 1" AND ITEM 580.14, "REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS 11". REMOVAL OF THE DETERIORATED PORTION OF THE NORTHWEST BACKWALL SHALL BE PAID UNDER ITEM 529.25, "REMOVAL OF CONCRETE OR MASONRY".

2. FOLLOWING CONCRETE REPAIR, ALL EXPOSED CONCRETE SURFACES OF ABUTMENTS SHALL BE CLEANED OF SAND AND DEBRIS, LIGHTLY BLAST CLEANED AS DIRECTED BY THE ENGINEER, AND COATED WITH WATER REPELLENT. PAYMENT FOR WATER REPELLENT SHALL BE MADE UNDER ITEM 514.10, "WATER REPELLENT, SILANE". PAYMENT FOR CLEANING AND PREPARING THE SURFACE SHALL BE INCIDENTAL TO ITEM 514.10, "WATER REPELLENT, SILANE".

3. REFER TO SECTION 580 OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING CONCRETE REPAIR.

4. IT IS ANTICIPATED THAT SHORING THE SUPERSTRUCTURE IN THE AREAS OF THE BOLSTER BEAM BEARING BLOCKS WILL BE REQUIRED TO COMPLETE THE CONCRETE REPAIRS INDICATED IN THESE AREAS. PAYMENT FOR SHORING THE SUPERSTRUCTURE AT THE BOLSTER BEAMS SHALL BE MADE UNDER ITEM 502.11, "SHORING SUPERSTRUCTURE BEARINGS".

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PROFESSIONAL SEAL

FINAL PLANS

TOWN OF WAITSFIELD
9 BRIDGE STREET
WAITSFIELD, VT

VILLAGE COVERED BRIDGE REHAB. & BRIDGE STREET STORMWATER IMPROVEMENTS

SHEET TITLE

PROJECT NOTES

DRAWN BY	DATE
RHB/JDG	DEC. 2014
CHECKED BY	D&K PROJECT #
EPD	620922
PROJ. ENG.	D&K ARCHIVE #
RHB	620922

SHEET NUMBER

4

SHEET 4 OF 30