

GENERAL NOTES:

1. EXISTING STRUCTURE VERIFICATION: THE ORIGINAL DESIGN PLANS ARE NOT AVAILABLE FOR THIS STRUCTURE. DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR TAKING FIELD MEASUREMENTS OF ALL STRUCTURAL ELEMENTS THAT WILL BE AFFECTED BY THE PROPOSED WORK TO ENSURE PROPER MODIFICATION, FABRICATION, AND FIT FOR THE PROPOSED WORK. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER, EXTENT OF THE EXISTING ELEMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK. SHOP DRAWINGS REQUIRED FOR VARIOUS ITEMS OF THE WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS AND SHALL BE SO NOTED. NO EXTRA PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROJECT.
2. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 1996, AND ITS LATEST REVISIONS.
3. ITEM 201.10 "CLEARING AND GRUBBING" SHALL INCLUDE TREES, SHRUBS BRUSH, BUSHES, ETC., EXCEPT AS NOTED, BETWEEN STATIONS 9+00 AND 10+75 THAT WILL INTERFERE WITH THE CONSTRUCTION PROCESS.
4. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68° F, UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL ON-PROJECT SIGNS AND BARRICADES. THREE TYPE III BARRICADES AT THE PROJECT LIMITS AT EACH END (6 TOTAL) SHALL BE ERECTED. THE LOCATION OF THE BARRICADES WILL BE DETERMINED BY THE ENGINEER. THE COST OF ALL CONSTRUCTION SIGNS AND BARRICADES, ERECTION AND MAINTENANCE AS WELL AS REMOVAL AND/OR RESETTING OF THE SAME SHALL BE PAID FOR UNDER ITEM 641.10 TRAFFIC CONTROL.
6. THE "COOLEY BRIDGE" SIGN SHALL BE REMOVED AND REMOUNTED ON THE NEW SIDING. THIS WORK SHALL BE CONSIDER SUBSIDIARY TO ITEM 675.20 TRAFFIC SIGNS, TYPE A. ANY EXISTING SIGNS NOT REUSED SHALL REMAIN THE PROPERTY OF THE TOWN OF PITTSFORD.
7. ITEM 529.20 "PARTIAL REMOVAL OF STRUCTURES" SHALL INCLUDE REMOVAL AND DISPOSAL OF THE FOLLOWING:
- BRIDGE DECK AND RUNNING BOARDS
 - PORTIONS OF THE LOWER CHORD NOT BEING REUSED
 - EXISTING LOWER LATERAL BRACING (STEEL RODS AND BRACKETS)
 - LATTICE MEMBERS TO BE REPLACED
 - EXISTING FLOORBEAMS, DISTRIBUTION BEAMS AND HANGERS
 - BEARING BLOCKS
 - SIDING
 - ALL EXISTING NAILERS, BLOCKING AND CLEATS
8. ALL WORK SHALL PROCEED IN A CAREFUL ORDERLY MANNER SO THAT THE HISTORIC STRUCTURE IS NOT DAMAGED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, TO THE SATISFACTION OF THE ENGINEER, ANY DAMAGE TO THE BRIDGE CAUSED BY HIS OPERATIONS. THE REPAIRS WILL BE AT THE CONTRACTORS EXPENSE. MATERIALS AND METHODS FOR THESE REPAIRS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE START OF THE OPERATION.
9. ALL IN-STREAM EXCAVATION AND EARTHWORK SHALL BE RESTRICTED TO THE PERIOD OF JUNE 1, 2003 TO OCTOBER 1, 2003. CONTRACTOR PROPOSALS FOR CONSTRUCTION ACTIVITIES IN OR ADJACENT TO FLOWING WATER DURING THE RESTRICTED PERIOD MUST BE ISOLATED FROM THE STREAM FLOW AND RECEIVE PRIOR APPROVAL FROM THE STREAM ALTERATION ENGINEER (VERMONT).
10. TEMPORARY CONSTRUCTION FILLS WITHIN THE WATERCOURSE FOR ANY PURPOSE SHALL CONSIST OF CLEAN STONE FILL ONLY. NO FILLING IN THE STREAM, EXCEPT FOR STONE FILL, TYPE II, SHALL OCCUR WITHOUT THE APPROVAL FROM THE STREAM ALTERATION ENGINEER.
11. REPAIRS TO THE SLATE ROOF SHALL BE MADE WITH MATERIALS AND EQUIPMENT SPECIFICALLY DESIGN FOR THAT PURPOSE. THE COLOR OF THE NEW MATERIAL SHALL APPROXIMATELY MATCH THE EXISTING.
12. ITEM 665.15 "REMOVING EXISTING ROOF" SHALL INCLUDE ALL WORK AND MATERIALS TO REMOVE PORTIONS OF THE EXISTING ROOF SHEATHING THAT ARE ROTTEN OR DAMAGED OR DETERMINED BY THE ENGINEER TO BE UNSUITABLE. SLATE TILES REMOVED FOR THIS PURPOSE SHALL BE CAREFULLY STORED SO AS TO PREVENT DAMAGE AND SHALL BE REINSTALLED AS SOON AS PRACTICAL AFTER THE SHEATHING IS REPLACED. ANY PREVIOUSLY DAMAGE SLATES AS DETERMINED BY THE ENGINEER SHALL BE REPLACED UNDER ITEM 665.17 "NEW SLATE ROOFING." ANY SLATES DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. ALL REINSTALLED SLATES SHALL BE PAID FOR UNDER ITEM 665.16 "SLATE ROOFING - REUSED". COPPER NAILS (MIN. 1.5") SHALL BE USED TO SECURE NEW AND REINSTALLED SLATES EXCEPT WHERE SLATE HOOKS ARE REQUIRED. NAILS AND HOOKS FOR ITEMS 665.16 AND 665.17 SHALL BE CONSIDERED SUBSIDIARY TO THESE ITEMS.
13. ITEM 522.30 "NONSTRUCTURAL LUMBER - UNTREATED ROOF SHEATHING" SHALL BE USED TO REPLACE ANY ROOF SHEATHING REMOVED BECAUSE OF ROT OR DAMAGE OR UNSUITABILITY AS DETERMINED BY THE ENGINEER. THE LUMBER SHALL BE SELECT GRADE (NELMA) SPRUCE AND SHALL BE SAWN SO AS TO CLOSELY RESEMBLE THE MATERIAL BEING REPLACED. GALVANIZED WOOD SCREWS SHALL BE USED TO SECURE THE REPLACED ROOF SHEATHING AND SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.
14. THE CONTRACTOR SHALL PROVIDE WATERPROOF TARPS AS NECESSARY TO TEMPORARILY COMPLETELY COVER ANY AREAS OF THE ROOF WHERE THE SLATE HAS BEEN REMOVED. THE TARPS SHALL BE OF ADEQUATE SIZE AND SHALL BE SECURED PROPERLY SO AS TO PROTECT THE BRIDGE FROM THE ELEMENTS. THE TARPS SHALL BE CONSIDERED SUBSIDIARY TO ITEM 665.15 "REMOVING EXISTING ROOF."
15. TREENAILS USED TO REINSTALL REPLACED OR REMOVED TRUSS MEMBERS SHALL BE PAID FOR UNDER ITEM 507.19 "MECHANICAL BAR CONNECTOR (MODIFIED)." SEE SPECIAL PROVISIONS. THE ITEM SHALL INCLUDE ALL WORK AND MATERIALS TO RECONNECT THE TRUSS MEMBERS WITH CONNECTIONS AS IN THE EXISTING STRUCTURE. THE CONTRACTOR SHALL ENSURE EACH TREENAIL IS SECURE IN THE HOLE AND THAT NO DAMAGE IS DONE TO THE SURROUNDING MATERIAL DURING INSTALLATION. EXISTING TREENAILS REMOVED FOR ANY REASON SHALL NOT BE REUSED BUT SHALL BE REPLACED WITH NEW TREENAILS.

16. ALL WORK IS TO BE COMPLETE WITHIN THE EXISTING 3-ROD RIGHT-OF-WAY. NO PROVISIONS HAVE BEEN MADE FOR WORK BEYOND THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMISSION, PERMITS AND EASEMENTS ETC, FOR ANY OPERATIONS THAT REQUIRE WORK OUTSIDE OF THE RIGHT-OF-WAY.
17. THE CONTRACTOR IS HEREBY NOTIFIED THAT THIS STRUCTURE IS PART OF AN ONGOING STUDY OF FUMIGANT TREATMENTS FOR TIMBER. THE CONTRACTOR SHALL TAKE NO ACTIONS, UNLESS SPECIFIED IN THE PLANS, THAT WILL INTERFERE WITH THIS STUDY. THE AREAS THAT HAVE RECEIVED THE TREATMENTS HAVE BEEN MARKED ON THE PLANS (SEE TYPICAL ELEVATION ON SHEET 8). MATERIAL SAFETY DATA SHEETS WILL BE PROVIDED UPON REQUEST. THIS AREA SHALL NOT BE INCLUDED IN THE AREAS SPECIFIED FOR INSECTICIDE/FUNGICIDE AND FIRE RETARDANT TREATMENT UNDER ITEM 513.30 "STRUCTURAL PAINTING, FIELD APPLIED." THIS AREA SHALL BE COMPLETELY MASKED OFF WITH HEAVY DUTY PLASTIC. THE WORK AND MATERIALS TO COMPLETE THE MASKING WILL BE PAID FOR UNDER ITEM 513.41 "SURFACE PREPARATION, FIELD."
18. THE ROAD WILL BE CLOSED TO TRAFFIC DURING THE CONSTRUCTION PROJECT. THE TOWN OF PITTSFORD SHALL BE RESPONSIBLE FOR ERECTING AND MAINTAINING THE DETOUR SIGNING. THE SIGNING SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY WORK BY THE CONTRACTOR AND SHALL BE IN PLACE UNTIL THE PROJECT IS COMPLETE. THE CONTRACTOR SHALL NOTIFY THE TOWN OF PITTSFORD AS TO THE DATE OF CLOSURE AT LEAST TWO WEEKS PRIOR TO THAT ANTICIPATED DATE.
19. MEMBER REPLACEMENT OTHER THAN THOSE SPECIFICALLY DETAILED ON THE PLANS WILL NEED INDIVIDUAL APPROVAL FROM THE PROJECT MANAGER AFTER CONSULTATION WITH THE AGENCY OF TRANSPORTATION'S HISTORIC PRESERVATION OFFICER.
20. ITEM 506.75 "STRUCTURAL STEEL (LS)" INCLUDES THE MATERIAL, WORK, EQUIPMENT AND LABOR TO PROVIDE AND INSTALL THE LOWER LATERAL BRACING. SEE SHEET 10.

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20A. THE CONTRACTOR SHALL AVOID UNNECESSARY DISASSEMBLY OF THE TOWN LATTICE TRUSSES. ONLY THE JOINTS THAT MUST BE DISASSEMBLED TO EFFECT REPAIRS TO THE TRUSSES SHALL BE DISASSEMBLED. AT NO POINT IN THE CONSTRUCTION SEQUENCE SHALL THE TRUSSES BE DISASSEMBLED TO THE EXTENT THAT THE EXISTING GEOMETRY AND MEMBER LOCATION IS LOST.

CONCRETE NOTES:

21. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE "CONCRETE REINFORCING INSTITUTE."
22. REINFORCING PLACEMENT TOLERANCES SHALL BE:
- SPACING +/- 1"
- CLEARANCE +/- 1/4"
23. CONCRETE REPAIR MATERIAL ON THIS PROJECT WILL NOT BE MEASURED FOR PAYMENT BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 580.14 "REPAIR CONCRETE SUBSTRUCTURE, CLASS II."

COATINGS:

24. THE COATINGS FOR LUMBER AND TIMBER ELEMENTS ARE AS FOLLOWS:
- COATING A OR COATING B APPLIED TO ALL INTERIOR UNSEALED TIMBER SURFACES INCLUDING ALL TRUSS MEMBERS (EXCEPT AREA DESCRIBED IN NOTE 17 ABOVE), CLEATS, NAILERS, SIDING, BRACING, ROOF SHEATHING. DO NOT COAT THE DECK
 - COATING #1 APPLIED TO ALL INTERIOR UNSEALED TIMBER SURFACES INCLUDING ALL TRUSS MEMBERS, CLEATS, NAILERS, SIDING, BRACING, ROOF SHEATHING DO NOT COAT THE DECK
 - COATING #2 AND COATING #3 APPLIED TO THE EXTERIOR OF THE SIDING INCLUDING RETURNS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	PITTSFORD, VT	Bridge No.	31
Highway No.	ELM STREET (TH13)	Log Sta.	
		Surv.Sta.	
COOLEY COVERED BRIDGE REHABILITATION			
GENERAL NOTE SHEET			
Designed By	J. MESSIER	Drawn By	J. MESSIER
Checked By	Date	Bridge Design Supervisor	Date
E. ALLEN RANDALL	01/03/03		
PROJECT	PITTSFORD	PROJECT NO.	BHO 1443 (36)
I.G.C. Info.			
Bridge Sheet No.	Sheet 6 of 15		