

GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION ADOPTED 1990, AND ITS LATEST REVISIONS AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16TH EDITION, DATED 1996, AND ITS LATEST REVISIONS.
2. DESIGN OF THE REHABILITATED STRUCTURE IS FOR AASHTO H20-44 LANE LOAD OR TRUCK LOAD.
3. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE CHECKED IN THE FIELD PRIOR TO COMMENCING THE WORK. ACTUAL WORK SHALL MATCH FIELD CONDITIONS.
4. ALL NEW SAWN STRUCTURAL LUMBER AND TIMBER OR NON-STRUCTURAL LUMBER SHALL BE SPRUCE-PINE-FIR NO. 1 OR NO.2, FULL SAWN, EXCEPT AS NOTED, AND UNTREATED.
5. NEW STRUCTURAL GLUED LAMINATED MEMBERS SHALL BE AS FOLLOWS:
 FLOOR BEAMS: SOUTHERN PINE 16F-V1 SP/SP.
 MAIN BEAMS: SOUTHERN PINE 22F-V3 SP/SP.
 TREATMENT SHALL COMPLY WITH STANDARD SPECIFICATION 726.01, TYPE II, IF TREATED AFTER GLUING, OR STANDARD SPECIFICATION 726.01, TYPE III, IF TREATED PRIOR TO GLUING.
6. ITEM 529.20 'PARTIAL REMOVAL OF STRUCTURE' SHALL INCLUDE BUT NOT BE LIMITED TO REMOVING LATERAL BRACING, TIE RODS AND SIDING (WHERE REQUIRED). PAYMENT FOR ITEM 529.20 TO INCLUDE SALVAGE AND REUSE OF SIDING; THAT IS, PUTTING SIDING BACK IN PLACE. PAYMENT SHALL ALSO INCLUDE ALL LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO DRILL ONE AND ONE QUARTER INCH DIAMETER HOLES IN THE WOODEN DECK IN ORDER TO ACCOMMODATE THE ONE INCH DIAMETER VERTICAL SUPPORT RODS FROM THE MAIN CARRYING BEAMS, AND TO DRILL ALL HOLES REQUIRED FOR THE NEW FLOOR BEAM LAG SCREWS.
7. BRIDGE NO. 17 SHALL BE CLOSED TO ALL PEDESTRIAN AND VEHICULAR TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-PROJECT SITE SIGNS AND BARRICADES (REQUIRED BY THE TOWN) TO CONTROL TRAFFIC DURING CONSTRUCTION. ALL COSTS OF MATERIALS AND WORK (INSTALL, MAINTAIN AND REMOVE) ASSOCIATED WITH CONSTRUCTION SIGNING AND BARRICADES SHALL BE PAID FOR SUBSIDIARY TO ITEM 635.10, 'MOBILIZATION'. THE TOWN SHALL BE RESPONSIBLE FOR ALL OFF-SITE DETOUR SIGNING.
8. ALL NEW BOLTS, ONE INCH DIAMETER RODS AND LAG SCREWS SHALL CONFORM TO ASTM SPECIFICATION A 307 AND SHALL BE GALVANIZED PER AASHTO SPECIFICATION M 232. THE ONE INCH DIAMETER RODS SHALL BE PAID FOR AS STRUCTURAL STEEL. ALL OTHER HARDWARE SHALL BE PAID SUBSIDIARY TO THE ITEMS TO WHICH IT IS ATTACHED.
9. OTHER STRUCTURAL STEEL ITEMS INCLUDE THE EIGHT INCH BY EIGHT INCH STEEL TUBING, CONFORMING TO ASTM SPECIFICATION A 500, GRADE A; THE FOUR INCH BY FOUR INCH BRACING ANGLES, AND NUMEROUS STRUCTURAL STEEL PLATES, CONFORMING TO AASHTO SPECIFICATION M 183M/ M 183. ALL STRUCTURAL STEEL SHAPES AND PLATES SHALL BE GALVANIZED PER AASHTO SPECIFICATION M 111.
10. BEFORE SHORING THE SUPERSTRUCTURE AT MID SPAN TO WITHSTAND CONSTRUCTION LIVE LOADS, THE CONTRACTOR SHALL SUBMIT SHORING PLANS TO THE STRUCTURES ENGINEER AT VAOT FOR APPROVAL.
11. THE MAIN CARRYING BEAMS (74 1/4" DEEP) SHALL BE FABRICATED WITH A TWO AND THREE QUARTER INCH CAMBER AT MID SPAN.

SEQUENCE OF CONSTRUCTION

1. REMOVE 'X' BRACING AND TIE RODS AT MID SPAN. INSTALL TEMPORARY SHORING AT MID SPAN AND ANY TEMPORARY WORK SCAFFOLDING.
2. REMOVE REMAINDER OF WOOD 'X' BRACING AND TIE RODS UNDER THE BRIDGE, EXCEPT THE TIE RODS AT THE END FLOOR BEAMS.
3. DRILL HOLES IN DECK AS REQUIRED. INSTALL MAIN CARRYING BEAMS AND ONE INCH DIAMETER HANGER RODS. BOLT MAIN BEAMS TOGETHER IN PAIRS. BRACING AT MID SPAN AND AT ENDS OF BEAMS SHALL BE BETWEEN MAIN CARRYING BEAMS, AS SHOWN ON THE PLANS. TEMPORARY BRACING MATERIALS AND WORK (INSTALL AND REMOVE) SHALL BE PAID SUBSIDIARY TO ITEM 502.10 'SHORING SUPERSTRUCTURE'.
4. INSTALL NEW STEEL TUBING AND NEW GLULAM FLOOR BEAMS. INSTALL NEW STEEL 'X' BRACING.
5. PULL TRUSS SUPERSTRUCTURE UP INTO PLACE BY TENSIONING THE ONE INCH DIAMETER VERTICAL HANGER RODS. PULL UP UNTIL THE TRUSSES ATTAIN A STRAIGHT TANGENT GRADE LINE.
6. BLOCK AND BOLT TOP FLANGES OF MAIN GLULAM BEAMS TO TRUSSES AT REMAINDER OF LATERAL SUPPORT CONNECTIONS. REMOVE TEMPORARY LATERAL SUPPORT CONNECTIONS AT MID SPAN AND ENDS AND BLOCK TOP FLANGES TO THE TRUSSES AT THESE LOCATIONS.
7. REMOVE TEMPORARY SHORING, INSTALL RAILING, COMPLETE PROJECT APPROACH WORK.

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	NEWFANE	Bridge No.	17
Highway No.	TH 2, CL. 2	Log Sta.	
		Surv. Sta.	
GENERAL NOTES SHEET			
Designed By	J. WEAVER	Drawn By	S. FUGERE
Checked By	J. WEAVER	Date	6-30-98
		Bridge Design Supervisor	J. WEAVER Date 6-30-98
PROJECT	NEWFANE	PROJECT NO.	BHF 0106 (4)S
I.G.C. Info.			
Bridge Sheet No.		Sheet	3 of 8