

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SIXTEENTH EDITION, AND ITS LATEST REVISIONS.
2. BRIDGE IS DESIGNED FOR MS 22.5 LIVE LOAD.
3. THE DISTRICT TRANSPORTATION ADMINISTRATOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SILTATION OR POLLUTION, ESPECIALLY THE DISCHARGE OF CONCRETE, INTO THE RIVER.
4. THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT. ANY UPWARD KEY SHALL BE PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
5. ALL EXPOSED CONCRETE SHALL BE CHAMFERED 1" BY 1".
6. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE DISTRICT TRANSPORTATION ADMINISTRATOR.
7. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).  
  
REINFORCING PLACEMENT TOLERANCES SHALL BE:  
SPACING +/- 1/4"  
CLEARANCE +/- 1/4"
8. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL, OTHER BRIDGE SEATS AREAS SHALL BE SLOPED 1/4" PER FOOT TOWARDS MIDSPAN. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE SMOOTH STEEL TROWEL FINISHED.
9. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES F UNLESS OTHERWISE NOTED.
10. ANY CONNECTIONS THAT ARE NOT DETAILED ON THE PLANS SHALL BE DETAILED BY DISTRICT FORCES AND SUBMITTED TO THE STRUCTURES ENGINEER FOR APPROVAL.
11. NO CONCRETE IN THE ABUTMENTS SHALL BE PLACED ABOVE THE BRIDGE SEAT ELEVATIONS UNTIL THE TRUSS HAS BEEN ERECTED AND THE FINISHED GRADE OF THE DECK HAS BEEN DETERMINED.  
**TEMPORARY BRIDGE**
12. TWO-WAY TRAFFIC WILL BE MAINTAINED ON THE EXISTING UPSTREAM STRUCTURE, ALTHOUGH DURING THE CONSTRUCTION PERIOD, ONE-WAY TRAFFIC WITH FLAGGERS MAY BE USED.
13. THE ROADWAY APPROACHES TO THE TEMPORARY BRIDGE WILL BE PAVED.  
**CONCRETE**
14. ALL SUBSTRUCTURE CONCRETE SHALL BE CONCRETE, HIGH PERFORMANCE CLASS B UNLESS OTHERWISE NOTED.  
**NOTES**
15. THE PURPOSE OF THIS PROJECT IS TO INSTALL A MABEY BRIDGE DOWNSTREAM FROM THE EXISTING BRIDGE. THE EXISTING BRIDGE AND ALL UTILITIES ATTACHED TO IT SHALL NOT BE REMOVED AS PART OF THIS CONTRACT AND SHALL NOT BE DISTURBED. THE DISTRICT TRANSPORTATION ADMINISTRATOR MAY REQUIRE ADDITIONAL BARRICADES, AT BOTH ENDS OF THE EXISTING BRIDGE, FOR INCREASED SAFETY.
16. A DETAIL HAS BEEN PROVIDED ON THESE PLANS FOR CONNECTING THE HEAVY DUTY STEEL BEAM GUARD RAIL TO THE TEMPORARY BRIDGE. AN ALTERNATIVE ATTACHMENT MAY PROVIDE SUBJECT TO THE APPROVAL OF THE DISTRICT TRANSPORTATION ADMINISTRATOR.
17. ALL TYPE III BARRICADES TO REMAIN IN PLACE AFTER PROJECT COMPLETION SHALL BE ANCHORED TO THE GROUND TO PREVENT REMOVAL WHILE IN USE. ANCHORAGE SHALL MEET THE APPROVAL OF THE DISTRICT TRANSPORTATION ADMINISTRATOR.

18. ACCESS TO ALL EXISTING SIDE ROADS, DRIVES, AND PARKING AREAS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
19. THE SHEET PILING WILL BE DRIVEN TO AN ELEVATION OF 821.5 FEET OR TO REFUSAL. ASTM A572 GRADE 50 TYPE E2-27 SHEET PILING, OR EQUIVALENT CAPACITY, WILL BE USED. NO BORINGS HAVE BEEN TAKEN AT THIS SITE, SO EXTREME VARIATIONS IN SUBSURFACE SOIL CHARACTERISTICS SHOULD BE REPORTED TO THE DISTRICT TRANSPORTATION ADMINISTRATOR.
20. BEFORE ANY SHEET PILING IS DRIVEN, THE BRIDGEWATER GRANGE AND JEAN EIGERBROD WILL BE CONTACTED SO THAT THEIR FOUNDATIONS CAN BE VIDEO TAPED. THE FOUNDATION WILL BE MONITORED DURING CONSTRUCTION FOR ANY SIGNS OF DETEIORATION DUE TO THE DRIVING OF THE SHEET PILES. THE GRANGE'S PHONE NUMBER IS 672-3790. JEAN EIGERBROD'S PHONE NUMBER IS 672-3193.
21. THREE WELLS ADJACENT TO THE CONSTRUCTION SITE ARE CURRENTLY BEING MONITORED BY THE STATE TO DETERMINE IF CONSTRUCTION ACTIVITIES ARE CAUSING ADDITIONAL CONTAMINATION. THE OWNERS ARE WILLIAM AND LISA RAISNER, THE BRIDGEWATER GRANGE AND JEAN EIGERBROD. SEE THE ROW SHEET FOR LOCATIONS.

**MABEY COMPONENT LIST FOR 150' DSR1H\***

QTY	TYPE	DESCRIPTION
8	MC 19	BEARING-SINGLE
30	MC 134	SWAYBRACE-EW
52	MC 200	PANEL-200-STD
8	MC 201	PANEL-200-HIGH SHEAR
30	MC 222	BRACE-VERTICAL
8	MC 236	PLATE-BEARING
30	MC 300	KERB
	MC 302	CHORD REINFORCEMENT-STD-3m
52	MC 304	CHORD REINFORCEMENT-HVY-3m
176	MC 307	PIN-PANEL
352	MC 307A	CLIP-PANEL PIN
28	MC 312	VERTICAL FRAME-457
4	MC 317	POST-END MALE 200
4	MC 318	POST-END FEMALE 200
4	MC 329	TIE BEAM-457
26	MC 358	BRACING FRAME
60	MC 360	DECK 1050 mm
256	MC 378	SCREW DECK CLAMP
256	MC 379	NUT DECK CLAMP-M20
322	MC 430	BOLT-BRACING SHORT
180	MC 431	BOLT-TRANSOM
208	MC 433	BOLT-CHORD SHORT
710	MC 436	NUT-FLANGED
16	MC 454	TRANSOM-EW-457
	MC 458	RAKER ASSY RSA
2	NLC 12016	INFILL DECK-EOB-EW

**PARTIAL LIST OF QUANTITY ESTIMATES**

QUANTITY	ITEM
200 CY	203.15 COMMON EXCAVATION
200 CY	203.31 SAND BORROW
325 CY	203.32 GRANULAR BORROW
75 CY	204.30 GRANULAR BACKFILL FOR STRUCTURES
325 CY	301.25 SUBBASE OF CRUSHED GRAVEL
155 T	406.25 BITUMINOUS CONCRETE PAVEMENT
35 CY	501.34 CONCRETE, HIGH PERFORMANCE CLASS B
3655 SF	505.36 TEMPORARY STEEL SHEET PILING
2435 LBS	507.15 REINFORCING STEEL
14 LF	516.10 EXPANSION JOINT
1675 CY	613.12 STONE FILL, TYPE III
573 LF	621.20 STEEL BEAM GUARDRAIL
9 LF	621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
395 TON	629.54 CRUSHED STONE BEDDING
4300 SY	649.31 GEOTEXTILE UNDER STONE FILL

PROJECT NAME:	<b>BRIDGEWATER</b>	
PROJECT NUMBER:	<b>BRS 0149(4)</b>	
FILE NAME:	/PW/86e062/se062gen.xls	PLOT DATE: 9/15/2004
PROJECT LEADER:	C. KELLER	DRAWN BY: T. FILLBACH
DESIGNED BY:	T. FILLBACH	CHECKED BY: T. SUMNER
GENERAL NOTES SHEET	ROW SHEET <b>5</b> OF 11 SHEETS	