

EARTHWORK

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

% VERT GDE CUR	STATION	ELEVATION		CORR. V.C.	DIST.	AREA	CU.YDS.	AREA	CU.YDS.	AREA	CU.YDS.	AREA	CU.YDS.
		ON TAN.	ON V.C.										
EARTHWORK SUMMARY													
FILL REQUIRED:						4207	CY						
FILL FACTOR:						631	CY						
SUBTOTAL:						4838	CY						
ROUNDING:						2	CY						
TOTAL:						4840	CY						
FILL AVAILABLE													
SOLID ROCK EXCAVATION:						10 X 1.00	=	10	CY				
COMMON EXCAVATION:						4150 X 0.95	=	3943	CY				
UNCL. CHAN. EXC.:						480 X 0.60	=	288	CY				
TRENCH EXC. OF EARTH:						140 X 0.95	=	133	CY				
STRUCTURE EXC.:						490 X 0.60	=	294	CY				
SUBTOTAL:						4668	CY						
ROUNDING:						2	CY						
TOTAL:						4670	CY						
FILL REQUIRED:						4840	CY						
FILL AVAILABLE:						4670	CY						
170 CY EARTH BORROW REQUIRED													
TEMPORARY EROSION CONTROL ITEMS													
(INCLUDED IN STATE PARTICIPATION EROSION CONTROL QUANTITY)													
ITEM		UNIT		QTY									
TRENCH EXCAVATION OF EARTH		CY		20									
SUBBASE OF CRUSHED GRAVEL (C.G.)		CY		80									
STONE FILL, TYPE I		CY		10									
GEOTEXTILE FOR SILT FENCE		SY		70									
HAY BALES FOR EROSION CONTROL		EA		10									
SEED - WINTER RYE *		LB		10									
EROSION MATTING		SY		30									
* 50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) AND CEREAL (WINTER) RYE (SECALE CEREALE)													

ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN										TOTAL	FINAL		
			ROADWAY	STATE PIPE	PARTICIPATION CHANNEL	EROSION CONTROL	STATE ROADWAY	NON-PARTICIPATION CHANNEL	PARTICIPATION EROSION CONTROL							
201.10	CLEARING AND GRUBBING (0.23 ACRES)	LS	1												1	
201.10	CLEARING AND GRUBBING (0.43 ACRES)	LS						1							1	
203.15	COMMON EXCAVATION	CY						4150							4150	
203.16	SOLID ROCK EXCAVATION	CY						10							10	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY								440			50		490	
203.30	EARTH BORROW	CY	100					70							170	
203.31	SAND BORROW	CY	490					1340							1830	
203.32	GRANULAR BORROW	CY								910					910	
203.40	FINE GRADING - SUBGRADE	SY	920					2960							3880	
204.20	TRENCH EXCAVATION OF EARTH	CY	100					40			20				160	
204.25	STRUCTURE EXCAVATION	CY								490					490	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY								80					80	
301.25	SUBBASE OF CRUSHED GRAVEL (COARSE GRADED)	CY	390					1160			80				1630	
404.65	EMULSIFIED ASPHALT	CWT	1					3							4	
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	158					473							631	
501.25	CONCRETE, CLASS B	CY								58					58	
507.15	REINFORCING STEEL	LB								6970					6970	
511.25	CORRUGATED ALUMINUM ALLOY PLATE PIPE (84" DIA. X 82' X 5027#)	EA								1					1	
514.10	WATER REPELLENT	GAL								2					2	
528.10	ONE-WAY TEMPORARY BRIDGE	LS								1					1	
529.15	REMOVAL OF STRUCTURE	EA								1					1	
* BEGIN PIPE OPTIONS *																
601.0215	18" CAAP .060 (2 - 2/3 X 1/2)	LF						62							62	
601.0415	18" PCCSP .064 (2 - 2/3 X 1/2)	LF						62							62	
601.0915	18" CPEP	LF						62							62	
601.0015	18" CSP .064 (2 - 2/3 X 1/2)	LF						48							48	
601.0915	18" CPEP	LF						48							48	
* END PIPE OPTIONS *																
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (N.A.B.I.)	HR									1				1	
609.10	DUST CONTROL WITH WATER	MGAL	50												50	
609.15	DUST & ICE CONTROL W/ CALC. CHLORIDE	TON	.50												.50	
613.10	STONE FILL, TYPE I	CY									10				10	
613.11	STONE FILL, TYPE II	CY	90							210			900	40	1240	
613.15	RIPRAP, HEAVY TYPE	CY								50				20	70	
614.10	TEMPORARY RELOCATION OF STREAM	LS									1				1	
620.50	REMOVING AND RESETTING FENCE	LF	398					292							690	
621.20	STEEL BEAM GUARD RAIL	LF	400					558							958	
621.60	ANCHOR FOR STEEL BEAM GUARD RAIL	EA						4							4	
630.15	FLAGGERS	HR	315												315	
631.10	FIELD OFFICE-ENGINEERS	LS									1				1	
631.16	TESTING EQUIPMENT - CONCRETE	LS									1				1	

BRIDGE AT STATION REV. STA. 42+92
LOCATION T.H. 6 OVER UNNAMED BROOK

PREPARED BY: G. ROY
SUPERVISOR: J.H. WEAVER

CHECKED BY: S. FUGERE

PROJECT: DERBY PROJECT NO: TH2 - 8910
BR OF SHEET NO: 6 OF 29