

EARTHWORK

V.C.	% GRD	STATION	GRADES		CORR. V.C.	DIST.	COMMON EXCAVATION		SUBBASE OF GRAVEL		GRAVEL SURFACE COURSE		FILL	
			ON TAN.	ON V.C.			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
PVC	-2.12%	7+00	497.5	497.5	+0.00									
PVI		7+50	496.30	496.95	+0.65	50	25	27	12	24	0			
PVI		8+00	497.70	497.70	+0.00	25	2	32	14	24	19			
		8+25	498.40			16		55		24				29
		8+41	498.85			5								19
		8+46	498.99	Begin Bridge		4	0	32	14					
		8+50	499.10			25	0							
		8+75	499.80	End Bridge		5	0	35	14					
		8+80	499.94			20	15	32	15	26				
		8+00	500.50			25	32	35	16	26	19			
		8+25	501.20			25	95	64	29	24				
		8+50	501.90			25	71	34	15	14	0			
		8+75	502.60			25	71	34	15	14	0			
Subtotal							203cy	237cy	106cy	90cy				
Fill Needed in Channel + Rounding							7	3	4	6				
							210cy	240cy	110cy	100cy				
EARTHWORK SUMMARY														
Fill Needed:														
Parapetment Fill X 1.15 = 100cy X 1.15 = 115cy														
Material Available for Fill:														
Common Excavation X 1.0 = 210cy X 1.0 = 210cy														
Unclassified Channel Excavation X 1.60 = 380 X 1.60 = 608cy														
Structure Excavation X 1.60 = 320 X 1.60 = 512cy														
Total Material Available for Fill 630cy														
Total Fill Needed 115cy														
Total Material Available 630cy														
Waste 515cy														

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

NO.	ITEM	UNIT	QUANTITY BREAKDOWN						TOTAL	FINAL
			SUPER-STRUCTURE	ABUTMENT #1	ABUTMENT #2	ROADWAY	CHANNEL			
202.25	REMOVAL OF STRUCTURE	EA.					1		1	
203.15	COMMON EXCAVATION	CY					210		210	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY						380	380	
*203.30	EARTH BORROW	CY					50		50	
204.25	STRUCTURE EXCAVATION	CY		170	150				320	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		130	150				280	
301.15	SUBBASE OF GRAVEL	CY					240		240	
401.10	GRAVEL SURFACE COURSE	CY					110		110	
501.25	CONCRETE, CLASS B	CY	43	69	76				188	
507.15	REINFORCING STEEL	LB	7160	6770	7490				21420	
514.10	WATER REPELLENT	GAL.	6	3	3				12	
613.12	STONE FILL, TYPE III	CY					320		320	
617.35	BRIDGE RAILING, HEAVY DUTY STEEL BEAM	LF	63						63	
621.38	GUARD RAIL, HEAVY DUTY STEEL BEAM WITH WOOD POSTS, TYPE II	LF	206						206	
635.10	MOBILIZATION	LS					1		1	

* 50 cy of EARTH BORROW HAS BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER, IF REQUIRED.

BRUNING 44 131 4/151