

# EARTHWORK

V.C.	% GRD	STATION	GRADES		CORR. V.C.	DIST.	COMMON EXCAVATION		SUBBASE OF GRAVEL		AGGREGATE SURFACE COARSE		EMBANKMENT	
			ON TAN.	ON V.C.			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		10+50					0			0		0		
						17								
		10+67					34	0			7		12	
						33				18				
		11+00					37		30		8		13	
						32				44		16		
		11+32					62	44		19			29	
						18				26		12		
		11+50					30		34		16		18	
						16.5		16					14	
		11+66.5					21			25		12	27	
						5								
		11+71.5							30		15			
						23								
		11+94.5							30		15			
						5								
		11+99.5					23			7		3	31	
						0.5								
		12+00							34		16			
						34		41		49		22	70	
		12+34							44		19			
						16				25		11		
		12+50					21		40		18		44	
						50		61		66		24	47	
		13+00						45		31		8	7	
						33				19				
		13+33						42	0			7	6	
						17								
		13+50					0			0			0	
						SUB-TOTALS	256		279		114		178	
						ROUNDING	4		1		6		2	
							260		280		120		180	
													0	
													180	

### EARTHWORK SUMMARY

EMBANKMENT NEEDED:  
 PLANIMETERED FILL 180  
 FILL FACTOR (0.15) 27  
 FILL + FACTOR = 207

MATERIAL AVAILABLE:  
 COMMON EXCAVATION 260 \* 1.0 = 260  
 UNCLASSIFIED CHANNEL EXCAVATION 40 \* 0.6 = 24  
 COFFERDAM EXCAVATION (EST) 470 \* 0.6 = 282

FILL AVAILABLE = 566  
 FILL REQUIRED = 207  
 359 CY WASTE

# BRIDGE QUANTITY SHEET

STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 STRUCTURES DIVISION

## QUANTITY BREAKDOWN

NO.	ITEM	UNIT	QUANTITY BREAKDOWN					TOTAL	FINAL
			SUPER STRUCTURE	ABUTMENT # 1	ABUTMENT # 2	ROADWAY	CHANNEL		
203.15	COMMON EXCAVATION	CY				260		260	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY					40	40	
203.30	EARTH BORROW (ESTIMATE)	CY				10		10	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		130	130			260	
204.40	COFFERDAM (@ STA. 11+71.5)	LS		1				1	
204.40	COFFERDAM (@ STA. 11+94.5)	LS			1			1	
301.15	SUBBASE OF GRAVEL	CY				280		280	
401.10	AGGREGATE SURFACE COARSE	CY				120		120	
501.25	CONCRETE CLASS B	CY	34	69	69			172	
507.15	REINFORCING STEEL	LB	4240	6440	6440			17120	
514.10	WATER REPELLENT	GAL	5	3	3			11	
525.45	BRIDGE RAILING - STANDARD STEEL BEAM/FASCIA MOUNTED/ STEEL TUBING	LF				63		63	
529.15	REMOVAL OF STRUCTURE	EA				1		1	
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	HR					1	1	
613.11	STONE FILL TYPE II	CY					100	100	
621.20	STEEL BEAM GUARD RAIL	LF				181		181	
621.60	ANCHOR FOR STEEL BEAM RAIL	EA				4		4	
631.16	TESTING EQUIPMENT - CONCRETE	LS				1		1	
635.10	MOBILIZATION	LS				1		1	
649.31	GEOTEXTILE UNDER STONE FILL	SY					180	180	
651.40	GRUBBING MATERIAL	SY					30	30	

BRIDGE (S) AT STATION (S) 11+83  
 LOCATION (S) TH 3 OVER CRAM BROOK

Prepared by: R.E. SICKERT  
 Checked by: C.P. WILLIAMS  
 SUPERVISOR: F.W. BOLKUM

CHELSEA  
 BR OF

PROJECT NO. TH 3806  
 SHEET NO. 5 OF 19