EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

GRADES V. C.	GRADES % GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V. C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
		BEGIN PROJECT												
		124+50					18							
						50		35						
		125+00					20				0			
						50		99				13		
		125+50					87				14			
						25		80				33	CUT	585
		125+75					86				57		FILL	411
						25		80				53	FFAC	1.15
		126+00					86				57		EXC	112
						50		133				181		
		126+50					58				139			
						0		0				0		
		126+50					58				75			
						49		104				102		
		126+99					57				37			
						21		54				29		
		127+20					81				37			
		BRIDGE												
		128+65					70				25			
						33		68				31		
		128+98					42				25			
						50		78				39		
		129+48					42				17			
						0		0				0	CUT	914
		129+48					42				32		FILL	303
						50		100				66	FFAC	1.15
		129+98					66				39		EXC	566
						50		146				101		
		130+48					92				70			
						51		211				66		
		130+99					131				0			
						26		126				0		
		131+25					131				0			
						24		99				0		
		131+49					91				0			
						51		86				0		
		132+00					0				0			
		END PROJECT												
		DRIVES						602				185	CUT	602
													FILL	185
													FFAC	1.15
													EXC	389
		STONE FILL EXC.						181				0	CUT	181
													FILL	0
													FFAC	1.15
													EXC	181
		CARRIED FORWARD												
		COLUMN FOOTINGS						2282				899		

GRADES V. C.	GRADES % GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V. C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
		CARRIED FORWARD												
		COLUMN FOOTINGS												

SUMMARY AND BALANCES

STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
124+50	127+20	585		411	112			
							112	
128+65	132+00	914		303	566			
							678	
MAINLINE TOTAL		1499		714				
							678	
DRIVES		602		185	389			
							1067	
SUBTOTAL		2101		899				
							1067	
STONEFILL EXCAV.		181		0	181			
							1248	
UNDERDRAIN EXCAV.		41		0	41			
PROJECT TOTALS		2323		899			1289	

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS EXCAVATION TOTAL CY	EXCAVATION ROCK CY	EMBANKMENT CY
TOTALS				

REMARKS

EARTH AND ROCK EXCAVATION	2282
SOLID ROCK EXCAVATION	–
EARTH EXCAVATION	2282
PLANIMETERED FILL	899
LESS FACTORED SOLID ROCK (1.30)	–
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	–
NET PLANIMETERED FILL	899
FACTOR (0.15)	135
PLANIMETERED FILL INCLUDING FACTOR	1034
MATERIALS AVAILABLE FOR FILLS	–
EARTH EXCAVATION	2282
CHANNEL EXCAVATION	–
UNDERDRAIN EXCAVATION (60% OF TOTAL)	41
STRUCTURE EXCAVATION	–
TOTAL MATERIAL AVAILABLE FOR FILL	2323
TOTAL FILL INCLUDING FACTOR	1034
TOTAL MATERIAL FOR FILL	2323
BORROW	–
EXCESS EXCAVATION	1289

PROJECT NAME ROYALTON
PROJECT NUMBER BRS 0147(5)S