EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		16+00												
		+50												
		17+00	494.30	494.30	0		BUTT 73							
						50		141	BEGIN APPROACH					
		+50	494.63	494.93	+0.30		83						C 386	
													F 1	
		+75	494.80	495.47	+0.67								F.FAC 1.15	
	0.6625 %	+80	494.83	495.59	+0.76								EXC 385	
						50		157						
		18+00	495.72	496.15	+0.43		87				0			
		+16	496.44	496.67	+0.23									
						25		85	END APPROACH			1		
		+25	496.84	496.99	+0.15		96				1			
						25		93	BEGIN PROJECT F 021-1(8) S			1		
		+50	497.96	497.97	+0.01		104				1			
		+60	498.40	498.40	0							4		
						50		212						
		19+00	500.19	499.98	-0.21		125				3			
						50		231						
		+50	502.43	501.38	-1.05		125							
						35		202				3		
		+85	503.99	501.96	-2.03		186				0			
		+96	504.48	502.07	-2.41									
						15		98				3		
		20+00	504.66	502.11	-2.55		166				3			
		+30	506.00	502.24	-3.76									
		+40	505.56	502.23	-3.33									
						50		401				3		
		+50	505.13	502.20	-2.93		267				0			
		+55	504.91	502.17	-2.74									
		+56	504.86	502.16	-2.70									
						50		441						
		21+00	502.94	501.64	-1.30		209				0			
						24.80		192	STOP ROADWAY					
		+24.80	501.86	501.12	-0.74		209							
		+34.50	501.43	500.87	-0.56				BEGIN BRIDGE					
		+43.71	501.03	500.62	-0.41		91		END BRIDGE					
						6.29		21	RESUME					
		+50	500.75	500.42	-0.33		91		ROADWAY				C 2212	
						25		90					F 19	
		+75	499.66	499.58	-0.08		103				0		F.FAC 1.15	
						25		84				1	EXC 2190	
		22+00	498.57	498.57	0		78				1			
		+20	497.69											
						50		147	END PROJECT F 021-1(8) S			4		
		+50	496.38				81				3			
									BEGIN APPROACH					
		+56	496.12											
		+70	495.51	495.51	0								C 287	
								150				3	F 3	
		23+00	494.20	494.30	+0.10		81				0		F.FAC 1.15	
													EXC 284	
		+10	493.76	493.94	+0.18									
		+38	493.05	493.07	+0.02									
						50		137						
		+50	492.74	492.74	0		67 BUTT		END APPROACH					
		+60	492.49											
		+90	491.9											
		24+00	491.7											

K=42 L=160 K=38 L=340 L=80 K=43

+4.4680 % -4.3714 % -2.5400 %

CARRIED FORWARD
COLUMN FOOTINGS

EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		REV TR #2												
		REV POT 5+03.51 = N/L POC 20+56.00												
	+5.600 %	REV 5+03.51	502.16											
		REV 5+21.51	503.17			26.19	225	169						
		REV +47.70	504.63				113							
		REV +50	504.76											
		REV +51	504.81											
		REV +64.20	505.55			16.50	63	54					C 381	
													F 0	
													F.FAC 1.15	
		REV +71	505.92	505.92	0								EXC 381	
	+5.6449 %	REV +76	506.20	506.19	-0.01	35.80		79						
		REV TR #2 PI 5+77.41 = TR #2 POT 5+77.00												
			5+77.00											
		6+00	507.54	507.22	-0.32		56							
		+11	508.15	507.55	-0.60									
		+29	508.07	507.89	-0.18									
		+50	507.98	507.98	-0.00									
	-0.4250 %	+51	507.98	507.98	0	51	33	84						
	-0.4200 %	7+00	507.8											

L=80

CARRIED FORWARD
COLUMN FOOTINGS

EARTHWORK SUMMARY

STATE OF VERMONT
AGENCY OF
TRANSPORTATION

SUMMARY OF BALANCES

STATION TO STATION		TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL	BASE CUBIC YARDS
BEGIN APPROACH		386		1	385				
							385		
18+25	22+50	2212		19	2190				
							2575		
END APPROACH	287	287		3	284				
							2859		
ROADWAY		2885		23					
TR #2		381		0	381				
							3240		
DRIVES		232		0	232				
							3472		
TOTAL		3498		23					

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS: EXCAVATION TOTAL CU YDS	EXCAVATION ROCK CU YDS	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS

REMARKS

EARTH AND ROCK EXCAVATION	3498
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	3498
PLANIMETERED FILL	23
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	23
FACTOR 1.15	
PLANIMETERED FILL INCLUDING FACTOR	26
MATERIALS AVAILABLE FOR FILL	
EARTH EXCAVATION	3498
CHANNEL EXCAVATION UNCLASS (.60)	75
UNDERDRAIN EXCAVATION	
STRUCTURE EXCAVATION 115X.60 =	69
TOTAL MATERIAL AVAILABLE FOR FILL	3642
TOTAL FILL INCLUDING FACTOR	26
TOTAL MATERIAL FOR FILL	
BORROW	
EXCESS EXCAVATION	3616

PROJECT HINESBURG

PROJECT F NO. 021-1(8) S
SHEET 11 OF 76 SHEETS

D-2

BRINING 40592