STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
STATION	DIST FT.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
MAINLINE									
13200		3.21				0.00			
	50		12.40				0.29		
13250		10.18				0.31			
	50		25.78				1.20		
13300		17.66				0.99			
	50		33.74				11.35		
13350		18.78				11.27			
	50		74.86				15.33		
13400		62.07				5.29			
	50		141.32				19.68		
13450		90.56				15.96		CUT	840
	50		202.40				32.43	ROCK	0
13500		128.03				19.06		R.FAC	.495
	50		191.12				34.03	FILL	732
13550		78.38				17.69		F.FAC	1.15
	50		91.80				101.72	EX. F	2
13600		20.76				92.17			
	50		24.81				210.67		
13650		6.03				135.35			
	25		22.33				140.66		
13675		42.21				168.47			
	25		19.54				165.14		
137+00		0.00				188.24			
	50						401.36		
137+50		0.00				245.23			
	40						427.12		
137+90		0.00				331.38			
	10						125.97		
138+00		0.00				348.84			
	50						748.31		
138+50		0.00				459.33			
	50						843.67		
139+00		0.00				451.83			
	50						1,135.65		
139+50		0.00				774.67		CUT	0
	50						1,608.37	ROCK	0
140+00		0.00				962.37		R.FAC	.495
	50						1,945.20	FILL	9029
140+50		0.00				1,138.45		F.FAC	1.15
	12						492.10	EX. F	10384
140+62		0.00				1,076.00			
	20						398.52		
140+82		0.00				0.00			
	18						292.84		
141+00		0.00				878.51			
	38						610.08		
141+38		0.00				0.00			
143+63.25		90.00				0.00			
	37		362.20				3.11		
144+00		442.21				4.57			
	13		202.75				1.10		
144+13		400.00				0.00			
	7		100.46				10.37		
144+20		375.00				80.00			
	30		397.60				105.60		
144+50		273.47				185.51			
	50		321.61				218.32		
145+00		73.87				50.28			
	50		205.08				46.56		
145+50		147.62				0.00			
	50		304.36				0.09		
146+00		181.09				0.10		CUT	2575
	50		311.11				0.29	ROCK	0
146+50		154.91				0.21		R.FAC	.495
	25		143.44				0.19	FILL	418
146+75		154.91				0.21		F.FAC	1.15
	25		101.15				0.10	EX. C	2094
147+00		63.57				0.00			
	50		75.80				2.57		
147+50		18.29				2.78			
	50		27.61				8.93		
148+00		11.53				6.86			
	50		13.32				13.69		
148+50		2.86				7.93			
	50		5.62				7.34		
149+00		3.21				0.00			
	50		2.97				0.00		
149+50		0.00				0.00			

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
STATION	DIST FT.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
TIMBER RIVER									
80+17		0.00				0.00			
	33		0.00				313.21		
80+50		0.00				512.53			
	50		0.00				1,161.37		
81+00		0.00				741.75			
	50		0.00				1,079.65		
81+50		0.00				424.27			
	50		0.00				527.37		
82+00		0.00				145.29			
	50		86.66				134.53		
82+50		93.59				0.00		CUT	2063
	50		821.80				0.00	ROCK	0
83+00		793.95				0.00		R.FAC	.495
	50		853.14				0.00	FILL	3216
83+50		127.44				0.00		F.FAC	1.15
	50		156.30				0.00	EX. F	1636
84+00		41.36				0.00			
	50		106.76				0.00		
84+50		73.94				0.00			
	25		36.20				0.00		
84+75		4.26				0.00			
	25		1.97				0.00		
85+00		0.00				0.00			
TIMBER HAWK									
58+17		0.00				0.00			
	16		0.00				21.89		
58+33		0.00				73.89			
	17		0.00				59.33		
58+50		0.00				114.56			
	50		1.07				125.48		
59+00		1.16				20.96			
	50		46.25				21.74	CUT	434
59+50		48.79				2.52		ROCK	0
	50		111.85				2.33	R.FAC	.495
60+00		72.01				0.00		FILL	231
	50		125.46				0.00	F.FAC	1.15
60+50		63.49				0.00		EX. C	169
	50		117.83				0.00		
61+00		63.77				0.00			
	25		31.84				0.00		
61+25		5.01				0.00			

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
STATION	DIST FT.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
MAINLINE								
132+00	137+00	840		732		2		2
137+50	141+38	0		9029		10384		10386
141+50	143+63							
144+00	149+50	2575		418	2094			8292
TIMBER RIVER								
80+17	85+00	2063		3216		1636		9928
TIMBER HAWK								
58+17	61+25	434		231	169			9759
	TOTALS	5912		13626				9758

REMARKS

EARTH AND ROCK EXCAVATION	5912
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	5912
PLANIMETERED FILL	13626
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	13626
FACTOR	2044
PLANIMETERED FILL INCLUDING FACTOR	15670
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	5912
UNCLASSIFIED CHANNEL EXCAVATION (2666 x 75%)	2000
UNDERDRAIN EXCAVATION (401 x 80%)	321
COFFERDAM EXCAVATION (468 x 75%)	351
TOTAL MATERIAL AVAILABLE FOR FILL	8584
TOTAL FILL INCLUDING FACTOR	15670
TOTAL MATERIAL FOR FILL	8584
BORROW	7086
EXCESS EXCAVATION	

PROJECT NAME: STOCKBRIDGE
PROJECT NUMBER: BRF 013-4(21)

FILE NAME: /78f238/str5/sf238ew 3.xls
PROJECT LEADER: K. HIGGINS
DESIGNED BY: G. SHANGRAW
EARTHWORK SHEET

PLOT DATE: 10/25/2007
DRAWN BY: R. PELLETT
CHECKED BY: T. SUMNER
SHEET 11 OF 144