STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS SUMMARY

VAOT Metric

STATION KM + M	DIST M	TOTAL EXCAVATION EARTH AND ROCK AREA SM	TOTAL EXCAVATION EARTH AND ROCK VOLUME CM	ROCK EXCAVATION AREA SM	ROCK EXCAVATION VOLUME CM	EMBANKMENT AREA SM	EMBANKMENT VOLUME CM	AREA	VOLUME
BEGIN PROJECT									
5+280		0.0				0.1			
	20		0.0				44.0		
5+300		0.0				4.3			
	16		10.0				198.0		
5+316		1.2				20.5			
	4		6.0				82.0		
5+320		1.6				20.5			
	20		97.0				337.0		
5+340		8.1				13.2			
	2.5		20.0				33.0		
5+342.5		8.2				13.4			
	2.5		21.0				34.0		
5+345		8.2				13.4		CUT	342.0
	15		101.0				144.0	FILL	2774.0
5+360		5.3				5.8		FFAC	1.15
	20		70.0				115.0	EX FILL	2848
5+380		1.7				5.7			
	0		0.0				0.0		
5+380		1.7				5.0			
	20		17.0				166.0		
5+400		0.0				11.6			
	20		0.0				303.0		
5+420		0.0				18.7			
	20		0.0				402.0		
5+440		0.0				21.5			
	20		0.0				454.0		
5+460		0.0				23.9			
	3.5		0.0				84.0		
5+463.5		0.0				23.9			
	15		0.0				378.0		
5+478.5		0.0				26.5			
	BRIDGE								
5+559		3.0				16.1			
	15		63.0				182.0		
5+574		5.4				8.2			
	6		32.0				49.0		
5+580		5.4				8.2			
	20		124.0				269.0		
5+600		7.0				18.7			
	20		162.0				449.0		
5+620		9.2				26.2			
	20		207.0				485.0		
5+640		11.5				22.3			
	20		265.0				345.0		
5+660		15.0				12.2		CUT	2913.0
	20		332.0				317.0	FILL	3333.0
5+680		18.2				19.5		FFAC	1.15
	20		365.0				551.0	EX FILL	920
5+700		18.3				35.6			
	20		376.0				496.0		
5+720		19.3				14.0			
	20		402.0				160.0		
5+740		20.9				2.0			
	10		209.0				20.0		
5+750		20.9				2.0			
	10		211.0				10.0		
5+760		21.3				0.0			
	3		89.0				0.0		

STATION KM + M	DIST M	TOTAL EXCAVATION EARTH AND ROCK AREA SM	TOTAL EXCAVATION EARTH AND ROCK VOLUME CM	ROCK EXCAVATION AREA SM	ROCK EXCAVATION VOLUME CM	EMBANKMENT AREA SM	EMBANKMENT VOLUME CM	AREA	VOLUME
5+763		37.8				0.0			
	4		76.0				0.0		
5+767		0.0				0.0			
END PROJECT									
	TH 56								
0+002		0.0				0.0			
	18		0.0				280.0		
0+020		0.0				31.1			
	20		3.0				531.0		
0+040		0.3				22.0		CUT	209.0
	20		29.0				366.0	FILL	1339.0
0+060		2.6				14.6		FFAC	1.15
	20		92.0				154.0	EX FILL	1331
0+080		6.6				0.8			
	17		77.0				7.0		
0+097		2.5				0.8			
	3		8.0				1.0		
0+100		2.5				0.0			
	TH 41								
0+105.50		0.0				0.0			
	5.5		0.0				123.0		
0+111		0.0				44.8			
	9		0.0				351.0		
0+120		0.0				33.2			
	0		0.0				0.0		
0+120		0.0				38.0			
	2		0.0				78.0		
0+122		0.0				40.0		CUT	99.0
	18		0.0				483.0	FILL	1258.0
0+140		0.0				13.7		FFAC	1.15
	20		1.0				166.0	EX FILL	1348
0+160		0.1				2.9			
	20		38.0				43.0		
0+180		3.7				1.4			
	20		60.0				14.0		
0+200		2.3				0.0			

STATION KM + M	DIST M	TOTAL EXCAVATION EARTH AND ROCK AREA SM	TOTAL EXCAVATION EARTH AND ROCK VOLUME CM	ROCK EXCAVATION AREA SM	ROCK EXCAVATION VOLUME CM	EMBANKMENT AREA SM	EMBANKMENT VOLUME CM	AREA	VOLUME
	TH 43								
0+205.5		0.0				0.0			
	8.5		0.0				219.0		
0+214		0.0				51.5			
	6		0.0				294.0		
0+220		0.0				46.4			
	20		0.0				801.0		
0+240		0.0				33.7		CUT	95.0
	10		0.0				305.0	FILL	2091.0
0+250		0.0				27.3		FFAC	1.15
	10		0.0				195.0	EX FILL	2310
0+260		0.0				11.7			
	20		18.0				163.0		
0+280		1.8				4.6			
	5		15.0				16.0		
0+285		4.0				1.7			
	15		62.0				38.0		
0+300		4.3				3.4			
	0		0.0				0.0		
0+300		0.0				3.4			
	35		0.0				60.0		
0+335		0.0				0.0			
DRIVES			41.0				610.0	CUT	41.0
								FILL	610.0
								FFAC	1.15
								EX FILL	661
STONEFILL			158.0				0.0	CUT	158.0
								FILL	0.0
								FFAC	1.15
								EX CUT	158.0

SUMMARY AND BALANCES

STATION KM + M	TO STATION KM + M	TOTAL EXC. EARTH+ROCK CM	ROCK EXCAVATION CM	EMBANKMENT CM	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
5+280	5+478.5	342		2774		2848		
								2848
5+559	5+767	2913		3333		920		
								3768
MAINLINE TOTAL		3255		6107				3768
TH	56	209		1339		1331		
								5099
TH	41	99		1258		1348		
								6447
TH	43	95		2091		2310		
								8757
DRIVES		41		610		660		
								9417
STONEFILL		158		0	158			
								9259
PROJECT TOTALS		3857		11405				9259

REMARKS	
EARTH AND ROCK EXCAVATION	3699
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	3699
PLANIMETERED FILL	11405
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	11405
FACTOR (0.15)	1711
PLANIMETERED FILL INCLUDING FACTOR	13116
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	3699
CHANNEL EXCAVATION	–
TRENCH EXCAVATION FOR STONE FILL	158
STRUCTURE EXCAVATION	–
TOTAL MATERIAL AVAILABLE FOR FILL	3857
TOTAL FILL INCLUDING FACTOR	13116
TOTAL MATERIAL FOR FILL	3857
BORROW	9259
EXCESS EXCAVATION	0

PROJECT NAME : JAMAICA

PROJECT NO. : BRF 013-1(8)

DESIGN FILE NAME:
IPARM FILE NAME:
SURVEYED BY:
SQUAD LEADER:

PLOT DATE:
SURVEY DATE:
DRAWN BY: SMC
SHEET: 13 OF 116