STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

Metric

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
5+500		10.7		8.0					
	20		224.0		161.0				
+520		11.7		8.1					
	20		308.0		252.0				
+540		19.1		17.1					
	20		333.0		288.0				
+560		14.2		5.7					
	3				8.10				
+563			192.0	0					
	17								
+580		5.0							
	20		50.0						
+600		0							
	20		0.0						
+620		0							
	20		0.0						
+640		0							
	20		0.0						
+660		0							
	20		0.0						
+680		0							
	20		0.0						
+700		0							
	20		0.0						
+720		0							
	20		105.0						
+740		10.5							
	20		233.0						
+760		12.8							
	20		298.0						
+780		17.0							
	12								
+792			361.0	0					
	8				55.6				
+800		19.1		13.9					
	5				34.8				
+805			253.0	0					
	15								
+820		6.2							
	20		87.0						
+840		2.5							
	20		32.0						
+860		.7							
	20		19.0						
+880		1.2							
	20		20.0						
+900		.8							
	20		14.0						
+920		.6							
	20		18.0						
+940		2.2							
	10								
+950	3			0	2.1				
+953	3		61.0	1.4	2.1				
+956	4			0					
+960		3.9							
			101.0						
+980	15	6.2							
+995	5		152.0	0	12.5				
6+000		9.0		5.0					
			2871.0		756.7				

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
6+000		9.0		5.0					
	20		196.0		118.0				
+020	10	10.6		6.8	34.0				
+030	10		114.0	0					
+040		.8							
	20		8.0						
+060		0							
	20		0.0						
+080		0							
	20		0.0						
+100		0							
	20		13.0						
+120		1.3							
	20		33.0						
+140		2.0							
	20		32.0						
+160		1.2							
	20		12.0						
+180		0							
	20		0.0						
+200		0							
	20		66.0						
+220		6.6							
	20		183.0						
+240	2	11.7							
+242	2			0					
+244	2		239.0	4.4	4.4				
+246	14			0	4.4				
+260		12.2							
	20		197.0						
+280		7.5							
	20		86.0						
+300		1.1							
	20		11.0						
+320		0							
	20		0.0						
+340		0							
	20		3.0						
+360	10	.3							
+370	5		60.0	0	7.8				
+375	5			3.1	15.5				
+380	3	57		3.1	4.6				
+383	17		94.0	0					
+400		3.7							
	20		69.0						
+420	11	3.2							
+431	4		121.0	0	9.4				
+435	5			4.7	11.8				
+440		8.9		0					
	20		105.0						
+460		1.6							
	20		16.0						
+480		0							
	20		10.0						
+500		1.0							
			1668.0		209.9				

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
6+500		1.0							
	20		38.0						
+520		2.8							
	20		78.0						
+540		5.0							
	20		90.0						
+560		4.0							
	20		172.0						
+580		13.2							
	20		219.0						
+600		8.7							
	20		133.0						
+620		4.6							
	20		67.0						
+640		2.1							
	20		45.0						
+660		2.4							
	20		67.0						
+680		4.3							
	20		110.0						
+700		6.7							
	20		141.0						
+720		7.4		0					
	20		146.0		10.0				
+740		7.2		1.0					
	20		150.0		13.0				
+760		7.8		0.3					
	20		199.0		41.0				
+780		12.1		3.8					
	20		221.0		66.0				
+800		10.0		2.8					
	20		192.0		54.0				
+820		9.2		2.6					
	20		226.0		26.0				
+840		13.4		0					
	20		256.0						
+860		12.2							
	20		237.0						
+880		11.5							
	20		169.0						
+900		4.8							
	20		98.0						
+920		5.0							
	20		77.0						
+940		2.7							
	20		32.0						
+960		.5							
	20		11.0						
+980		.6							
			37.0						
7+000		3.1							
			3205.0		210.0				

SUMMARY AND BALANCES

STATION TO STATION km + m	km + m	TOTAL EXC. EARTH+ROCK m³	ROCK EXCAVATION m³	EMBANKMENT m³	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL

✓WRF
02-13 07

EER 7744.0
R 1176.6

REMARKS

EARTH AND ROCK EXCAVATION
SOLID ROCK EXCAVATION
EARTH EXCAVATION

PLANIMETERED FILL
LESS FACTORED SOLID ROCK
LESS DISPLACEMENT OF ANY LARGE STRUCTURES
NET PLANIMETERED FILL
FACTOR
PLANIMETERED FILL INCLUDING FACTOR

MATERIALS AVAILABLE FOR FILLS
EARTH EXCAVATION
CHANNEL EXCAVATION
UNDERDRAIN EXCAVATION
STRUCTURE EXCAVATION

TOTAL MATERIAL AVAILABLE FOR FILL

TOTAL FILL INCLUDING FACTOR
TOTAL MATERIAL FOR FILL
BORROW
EXCESS EXCAVATION

PROJECT NAME: HIGHGATE-FRANKLIN
PROJECT NO.: STP-RS 0301(1)SA

DESIGN FILE NAME:
IPARM FILE NAME:
SURVEYED BY:
SQUAD LEADER:
PLOT DATE: 26-DEC-2006
SURVEY DATE:
DRAWN BY:
SHEET: 4 OF 7