STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

VTrans 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
7+000		3.1							
	20		93.0						
+020		6.2							
	20		103.0						
+040		4.1							
	20		80.0						
+060		3.9							
	20		53.0						
+080		1.4							
	20		35.0						
+100		2.1							
	20		45.0						
+120 Bk		2.4							
+120 Ahd		4.0							
	20		84.0						
+140		4.4							
	20		115.0						
+160		7.1							
	20		168.0						
+180		9.7							
	20		295.0						
+200		19.8							
	20		294.0						
+220		9.6							
	20		144.0						
+240		4.8							
	20		52.0						
+260		.4							
	20		8.0						
+280		.4							
	20		8.0						
+300		.4							
	20		8.0						
+320		.4							
	20		8.0						
+340		.4							
	20		4.0						
+360		0							
	20		56.0						
+380		5.6							
	20		142.0						
+400		8.6							
	20		163.0						
+420		7.7							
	20		136.0						
+440		5.9							
	20		113.0						
+460		5.4							
	20		94.0						
+480		4.0							
	20		86.0						
+500		4.6							
			2387.0		0.0				

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
7+500		4.6							
	20		99.0						
+520		5.3							
	20		160.0						
+540		10.7							
	20		204.0						
+560		9.7							
	20		182.0						
+580		8.5							
	20		227.0						
+600		14.2							
	20		260.0						
+620		11.8							
	20		235.0						
+640		11.7							
	20		237.0						
+660		12.0							
	20		240.0						
+680		12.0							
	20		237.0						
+700		11.7							
	20		249.0						
+720		13.2							
	20		280.0						
+740		14.8							
	20		302.0						
+760		15.4							
	20		298.0						
+780		8.4							
	20		169.0						
+800		8.5							
	20		117.0						
+820		3.2							
	20		69.0						
+840		3.7							
	20		105.0						
+860		6.8							
	20		150.0						
+880		8.2							
	20		145.0						
+900		6.3							
	20		90.0						
+920		2.7							
	20		61.0						
+940		3.4							
	20		158.0						
+960		12.4							
	20		286.0						
+980		16.2							
	20		354.0						
8+000		19.2							
			4854.0		0.0				

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
8+000		19.2							
	20		328.0						
+020		13.6							
	20		180.0						
+040		4.4							
	20		98.0						
+060		4.8							
	20		95.0						
+080		4.7							
	20		79.0						
+100		3.2							
	20		80.0						
+120		4.8							
	20		102.0						
+140		5.4							
	20		107.0						
+160		5.3							
	20		91.0						
+180		3.8							
	20		76.0						
+200		3.8							
	20		98.0						
+220		5.4							
	20		87.0						
+240		3.3							
8+254.726	20		81.0						
8+254.730									
+260		4.8							
	20		106.0						
+280		5.8							
	20		103.0						
+300		10.5							
	20		286.0						
+320		18.1							
	20		383.0						
+340		20.2							
	20		363.0						
+360		16.1							
	20		192.0						
+380		3.1							
8+398.003	19.6		58.9						
8+398.400									
+400		2.3							
	20		26.0						
+420		.3							
	20		6.0						
+440		.3							
	20		6.0						
+460		.3							
	20		32.0						
+480		2.9							
	20		125.0						
+500		9.6							
			3230.9		0.0				

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

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	

✓ W.P.
02-15-01

EER 1047.9'

R 0.0

PROJECT NAME : HIGHGATE - FRANKLIN

PROJECT NO. : STP-2S03(61)SA

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

PLOT DATE: 26-DEC-2006
SURVEY DATE:
DRAWN BY:
SHEET: 5 OF 7