STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

VAOT 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
3+037 RT		1.5	9			6.9	57		
3+068 LT		0.9	4			3.7	48		
3+244 RT		0.6	3			3.4	28		
3+400 LT		0.8	6			5.7	58		
3+540 RT		4.4	13			1.9	21		
3+549 LT		7.2	29			3.3	64		
3+560 RT		9.5	67			3.7	66		
3+772 LT		1.2	4			2.4	34		
3+845 RT		0.3	1			4.0	49		
4+086 RT		0.7	3			1.8	16		
4+125 RT		0.4	2			1.7	20		
4+255 LT		1.9	7			1.5	10		
4+275 LT		3.4	13			1.2	8		
4+297 RT		0.7	6			2.4	24		
4+347 RT		5.2	21			2.3	19		
4+390 LT		4.2	17			6.3	59		
4+417 RT		5.3	29			3.2	30		
4+637 LT		0.6	2			1.5	31		
4+639 RT		1.0	4			1.8	21		
4+847 LT		0.4	2			14.3	208		
4+847 RT		0.9	4			2.7	24		
4+872 LT		0.2	1			14.9	195		
4+935 LT		2.5	9			1.5	20		
5+264 RT		0.5	2			1.5	17		
5+575 RT		0.6	2			7.9	73		
5+628 LT		1.1	6			2.1	11		
5+735 LT		4.5	50			3.8	40	C=	325
								F=	1260
5+764 LT		2.4	9			1.4	9	R=	0
								FR=	0.495
								FF=	1.15
TOTALS			325		0		1260	EXF=	1124

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+024 LT		3.3	17			1.6	17		
6+150 RT		0.6	2			1.5	14		
6+386 LT		0.9	4			2.1	23		
6+386 RT		1.0	4			3.8	59		
6+507 RT		0.7	3			13.4	272		
6+511 LT		0.4	2			4.9	53		
6+541 LT		0.7	3			6.0	53		
23+016 RT		2.7	11			1.3	13		
23+040 RT		3.7	26			2.3	27		
6+658 LT		0.4	2			3.0	27		
6+774 LT		5.5	28	5.571	25.1	2.4	57		
6+790 RT		0.6	3			1.7	6		
6+810 RT		0.6	4			5.0	33		
6+830 RT		0.7	3			6.2	72		
6+840 LT		6.3	25			3.5	59		
7+030 LT		4.9	20			2.4	27		
7+053 LT		6.5	26			1.5	33		
7+405 LT		7.6	30			1.5	24		
7+501 RT		0.7	3			1.8	24		
7+618 LT		8.8	49			1.6	22		
7+653 LT		5.9	59			3.3	33		
7+749 RT		2.5	10			15.7	535		
7+827 LT		1.7	9			6.6	48		
8+060 LT		8.5	28			4.4	136		
8+118 LT		3.9	15			4.2	100		
8+309 LT		11.1	78			3.3	85		
								C=	464
								F=	1852
								R=	25
								FR=	0.495
								FF=	1.15
TOTALS			464		25		1852	EXF=	1653

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
REV 8+352.570	LT	2.0	7			4.6	35		
8+412	LT	0.6	2			4.4	70		
8+585	RT	1.6	7			1.7	19		
8+587	LT	6.6	36			1.6	19		
8+626	RT	0.6	2			9.4	171		
8+764	RT	1.1	4			4.6	52		
8+860	LT	0.6	3			2.8	37		
9+262	LT	3.7	27			3.8	33		
AH 14+670	LT	0.6	2			6.0	66		
AH 14+806	LT	1.1	7			4.4	95		
AH 14+850	RT	5.0	20			1.2	21		
AH 14+895	LT	2.7	10			1.9	16		
AH 14+895	RT	15.3	51			1.5	36		
AH 14+925	LT	1.5	8			2.1	26		
AH 14+927	RT	5.1	38			2.3	33		
AH 15+014	RT	10.8	30			0.9	14		
AH 15+028	LT	1.9	12			2.2	15		
								C=	266
								F=	758
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			266		0		758	EXF=	606

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

PROJECT NAME: HIGHGATE - FRANKLIN
PROJECT NUMBER: STP RS 0301(1) SA

FILE NAME: ...85c060/design/dc060frm.dgn
PROJECT LEADER: DELLASANTA
DESIGNED BY: SQUAD B
IPARM FILE NAME: dc060ew8.i
PLOT DATE: 09-MAY-2005
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 27 OF 450