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		6.0				0.0			
	20		117				0		
5+520		5.7				0.0			
	20		181				3		
5+540		12.4				0.3			
	20		193				9		
5+560		6.8				0.7			
	20		112				7		
5+580		4.4				0.0			
	20		53				0		
5+600		1.0				0.0			
	20		20				0		
5+620		1.1				0.0			
	20		23				0		
5+640		1.2				0.0			
	20		27				0		
5+660		1.5				0.0			
	20		31				0		
5+680		1.6				0.0			
	20		29				0		
5+700		1.3				0.0			
	20		26				0		
5+720		1.3				0.0			
	20		66				0		
5+740		5.3				0.0			
	20		105				0		
5+760		5.2				0.0			
	20		137				0		
5+780		8.5				0.0			
	20		192				26		
5+800		10.7				2.6			
	20		135				111		
5+820		2.9				8.5			
	20		34				208		
5+840		0.5				12.3			
	20		14				233		
5+860		0.9				11.0			
	20		19				203		
5+880		1.0				9.3			
	20		25				194		
5+900		1.5				10.1			
	20		69				202		
5+920		5.5				10.1			
	20		75				164		
5+940		2.0				6.3			
	20		21				82		
5+960		0.1				1.9			
	20		22				19		
5+980		2.1				0.0			
	20		71		6.0		0		
6+000		5.0		0.6		0.0			
								C=	1797
								F=	1461
								R=	6
								FR=	0.495
								FF=	1.15
TOTALS			1797		6		1461	EXC=	120

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		5.0		0.6		0.0			
	20		105		12		63		
6+020		5.5		0.6		6.3			
	20		69		6.0		225		
6+040		1.5				16.2			
	20		15				302		
6+060		0.0				14.0			
	20		0				218		
6+080		0.0				7.9			
	20		14				117		
6+100		1.4				3.9			
	20		14				63		
6+120		0.0				2.4			
	20		0				53		
6+140		0.0				2.9			
	20		52				169		
6+160		5.2				14.1			
	20		52				235		
6+180		0.0				9.4			
	20		0				101		
6+200		0.0				0.7			
	20		23				7		
6+220		2.3				0.0			
	20		134				0		
6+240		11.1				0.0			
	20		192				2		
6+260		8.1				0.2			
	20		104				76		
6+280		2.4				7.4			
	20		37				338		
6+300		1.3				26.4			
	20		13				496		
6+320		0.0				23.2			
	20		0				316		
6+340		0.0				8.4			
	20		3				84		
6+360		0.3				0.0			
	20		9				41		
6+380		0.6				4.1			
	20		6				76		
6+400		0.0				3.5			
	20		0				42		
6+420		0.0				0.7			
	20		18				98		
6+440		1.8				9.1			
	20		18				273		
6+460		0.0				18.2			
	20		0				325		
6+480		0.0				14.3			
	20		0				216		
6+500		0.0				7.3			
								C=	878
								F=	3936
								R=	18
								FR=	0.495
								FF=	1.15
TOTALS			878		18		3936	EXF=	3640

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		0.0				7.3			
	20		17				126		
6+520		1.7				5.3			
	20		17				195		
6+540		0.0				14.2			
	20		8				210		
6+560		0.8				6.8			
	20		37		0.8		104		
6+580		2.9		0.1		3.6			
	20		50		0.8		89		
6+600		2.1				5.3			
	20		35				176		
6+620		1.4				12.3			
	20		25				235		
6+640		1.1				11.2			
	20		18				184		
6+660		0.7				7.2			
	20		27				125		
6+680		2.0				5.3			
	20		27				114		
6+700		0.7				6.1			
	20		8				109		
6+720		0.1				4.8			
	20		2				90		
6+740		0.1				4.2			
	20		3				45		
6+760		0.2				0.3			
	20		50		43		8		
6+780		4.8		4.3		0.5			
	20		61		43		23		
6+800		1.3				1.8			
	20		23				53		
6+820		0.9				3.5			
	20		30				79		
6+840		2.1				4.4			
	20		39				108		
6+860		1.8				6.4			
	20		30				95		
6+880		1.2				3.1			
	20		22				54		
6+900		1.0				2.3			
	20		22				72		
6+920		1.2				4.9			
	20		33				133		
6+940		2.0				8.4			
	20		26				156		
6+960		0.6				7.2			
	20		14				109		
6+980		0.8				3.7			
	20		12				58		
7+000		0.4				2.1			
								C=	636
								F=	2751
								R=	88
								FR=	0.495
								FF=	1.15
TOTALS			636		88		2751	EXF=	2484

SUMMARY AND BALANCES

STATION TO STATION km + m	km + m	TOTAL EXC. EARTH+ROCK m²	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 PLOT DATE: 09-MAY-2005
PROJECT LEADER: DELLASANTA DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B CHECKED BY: SQUAD B
IPARM FILE NAME: dc060ew4.i SHEET 23 OF 450