EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
3+50									
	50								
4+00		29		BUTT					
	50		56					C=	113
+50		31						F=	0
	25		28					F FAC	=1.15
+75		29						EX C=	113
	25		29						
5		34							
	25		32						
+25		36				0			
	25		32				6		
+50		34				12			
	25		31				12		
+75		32				13			
	25		48				6		
6		72				0			
	25		91				0		
+25		124				0			
	25		117				0		
+50		129				0			
	25		90				4		
+75		65				8		C=	1153
	25		66				13	F=	131
7		78				19		F FAC	=1.15
	25		62				15	EX C=	1002
+25		55				13			
	25		52				12		
+50		57				13			
	50		114				14		
8		66				2			
	50		112				4		
+50		55				2			
	50		104				6		
9		57				4			
	50		104				11		
+50		55				8			
	50		98				28		
10		51				22			
	50		107				26		
+50		65				6			
	50		121				15		
11		66				10			
	50		117				49		
+50		60				43			
	50		118				113		
12		67				79			
	50		121				115	C=	1117
+50		64				45		F=	617
	50		116				85	F FAC	=1.15
13		61				47		EX C=	408
	50		112				84		
+50		60				44			
	50		106				56		
14		54				16			
	50		99				31		
+50		53				18			
	50		100				43		
15		55				28			
	50		146				81		
+50		103				60			
	50		149				115		
16		58				64			
	50		81				169		
+50		30				118			
	25		47				82	C=	1504
+75		71				60		R=	149
	25		73				49	F=	763
17		87		0		45		F FAC	=1.15
	25		81		6		37	R FAC	=.495
+25		87		18		35		EX C=	700
	25		81		9		28		
+50		87		8		25			
	25		75		13		24		
+75		74		19		27			
	25		70		25		19		
18		77		20		15			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
18		77		20		15			
	25		73		17		18		
+25		80		0		24			
	25		71		13		20		
+50		73		30		20			
	25		72		29		14		
+75		82		50		11			
	25		79		27		13		
19		88		30		17			
	25		87		10		19		
+25		100		0		25			
	25		83				30		
+50		80				40			
	25		96				30		
+75		128				25			
	25		140				15		
20		174				8			
	25		123				7		
+25		92				7			
	25		84				8		
+50		90				10			
	25		79				9		
+75		80				10			
	25		66				6		
21		63				4			
	50		121				110		
+50		68				115			
	50		84				139	C=	1068
22		23				35		F=	956
	50		21				32	F FAC	=1.15
+50	BACK	0				0		EX F=	31
	AHEAD	42				16			
	50		82				76		
23		47				66			
	50		94				124		
+50		55				68			
	50		103				117		
24		56				58			
	50		100				131		
+50		52				84			
	50		111				197		
25		68				129			
	50		119				136		
+50		60				18			
	50		119				19		
26		69				2			
	50		134				2		
+50		76				0			
	50		125				3		
27		59				3			
	50		115				6	C=	1196
+50		65				4		F=	192
	50		143				4	F FAC	=1.15
28		89				0		EX C=	975
	50		140				6		
+50		62				7			
	50		97				7		
29		43				1			
	50		90				3		
+50		54				2			
	50		114				6		
30		69				4			
	50		131				10		
+50		72				7			
	50		111				9		
31		48				3			
	25		32				1		
+25		20				0			
	25		19				0	C=	766
+50		22				0		F=	47
	25		21				0	F FAC	=1.15
+75		23				0		EX C=	712
	25		22						
32		24				0			
	50		49				0		
+50		29				0			
	50		55				3		
33									

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
33		30				3			
	50		71				7		
+50		47				5			
	50		83				6		
34		43				1			
	50		91				3		
+50		55				2			
	50		81				8		
35		33				7			
	50		70				8		
+50		43				2			
	50		81				4		
36		44				2			
	50		78				4	C=	392
+50		40				2		F=	58
	50		69				6	F FAC	=1.15
37		35				4		EX C=	325
	50		58				6		
+50		28				2			
	50		26				5		
38		0				3			
	50		0				4		
+50		0				1			
	50		2				6		
39		2				6			
	50		4				9		
+50		2				4			
	50		4				6		
40		2				3			
	100		7				9	C=	53
41		2				2		F=	85
	100		7				11	F FAC	=1.15
42		2				4		EX F=	45
	100		7				15		
43		2				4			
	100		7				13		
44		2				3			
	100		7				9		
45		2				2			
	100		7				11		
46		2				4			
	150		11				17		
47+50		2				2			
30+00 RAMP O									
	50							C=	110
+50		118						F=	0
	50		110					F FAC	=1.15
31		0						EX C=	110
0+00 RAMP M		33				16			
	47.9		72				32	C=	1106
+47.9		48				20		F=	456
	48		86				107	F FAC	=1.15
+95.9		48				100		EX C=	582
	18.9		33				76		
1+14.8		45				116			
	31.4		58				109		
1+46.2		53				71			
	26.3		54				55		
+72.5		58				42			
	27.1		59				39		
+99.6		58				35			
	28		101				23		
2+27.6		135				8			
	97.4		469				15		
3+25		125				0			
	75		174				0		
4+00		0				0			

SUMMARY AND BALANCES

STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
0+00	5+00	113		0	113		113	
5+00	10+00	1153		131	1002		1115	
10+00	15+00	1117		617	408		1523	
15+00	20+00	1504	149	763	700		2223	
20+00	25+00	1068		956		31	2192	
25+00	30+00	1196		192	975		3167	
30+00	35+00	766		47	712		3879	
35+00	40+00	392		58	325		4204	
40+00	47+50	53		85		45	4159	
RAMP O								
30+00	31+00	110		0	110		4269	
RAMP M								
0+00	4+00	1106		456	582		4851	
CURB								
ML		1335			1335		6186	
RAMP O		88			88		6274	
TOTALS		10001	149	3305				

REMARKS

EARTH AND ROCK EXCAVATION	10001
SOLID ROCK EXCAVATION	149
EARTH EXCAVATION	9852
PLANIMETERED FILL	3305
LESS FACTORED SOLID ROCK (.495 X 149)	74
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	3231
FACTOR (0.15)	485
PLANIMETERED FILL INCLUDING FACTOR	3716
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	9852
CHANNEL EXCAVATION	0
UNDERDRAIN EXCAVATION (.60 X 500)	300
STRUCTURE EXCAVATION	0
TOTAL MATERIAL AVAILABLE FOR FILL	10152
TOTAL FILL INCLUDING FACTOR	3716
TOTAL MATERIAL FOR FILL	10152
BORROW	0
EXCESS EXCAVATION	6436

SURVEYED BY _____ DATE _____
DRAWN BY SQUAD A DATE _____
SQUAD LEADER BTN
DESIGN FILE NO. /SODA/89B018/DB018.DGN
IPARM FILE DB018EW DATE PLOTTED 15-FEB-1996
PROJ. NAME MONTPELIER
PROJ. NO. FEGC-F 028-2(8)
SHEET 12 OF 118 SHEETS

: Sheet Number: 12