

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

																														SUMMARY AND BALANCES											
		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						STATION TO STATION		TOT EXC. EARTH & ROCK	ROCK EXCAV	EMBANK	EXCESSES		ACUMULATIVE EXCESSES		
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	km + m	km + m	m ³	m ³	m ³	CUT	FILL	CUT	FILL	
km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	km + m	m	km + m	km + m	m ³	m ³	m ³							
U.S ROUTE 2										KELTON ROAD																				U.S ROUTE 2											
4+660	20	0	33	0	17	0	4			30+000	15	1	8	0	0	0	59												4+660	4+975	3746	408	425	3459	0	3459	0				
4+680	20	3	155	2	34	0	4			30+015	5	4	13	0	0	8	25												VT ROUTE 14												
4+700	20	12	302	2	34	0	6			30+020	20	1	49	0	0	3	32											14+026	14+255	2369	0	330	1990	0	5449	0					
4+720	20	18	376	2	34	1	8			30+040	20	0	9	0	0	0	3											QUAKER HILL ROAD													
4+740	20	20	330	2	34	0	39			30+060	10	0	2	0	0	0	2											40+000	40+060	249	0	6	242	0	5691	0					
4+760	20	13	273	2	34	4	60			30+070				0	0	0												KELTON ROAD													
4+780	20	14	262	2	34	2	61																				30+000	30+070	81	0	122	0	59	5632	0						
4+800	20	12	241	2	34	4	117			PARKING LOT																							PARKING LOT								
4+820	20	12	267	2	34	8	103			100+000	7	0	0	0	0	0	27											100+000	100+160	288	0	1087	0	962	4670	0					
4+840	20	15	334	2	34	2	24			100+007	13	0	0	0	0	8	119																								
4+860	20	18	393	2	34	0	0			100+020	20	0	0	0	0	10	217																								
4+880	20	21	305	2	34	0	1			100+040	20	0	2	0	0	12	259																								
4+900	20	10	100	2	17	0	2			100+060	20	0	27	0	0	14	209																								
4+920	10	0	2	0	0	0	1			100+080	20	3	43	0	0	7	122																								
4+930	10	0	139	0	0	0	0			100+100	20	2	37	0	0	6	94																								
4+940	10	28	170	0	0	0	0			100+120	20	2	99	0	0	4	39																								
4+950	10	6	39	0	0	0	0			100+140	20	8	79	0	0	0	1																								
4+960	15	2	25	0	0	0	0			100+160				0	0	0																									
4+975	2	2	0	0	0	0	0																																		
VT ROUTE 14																																									
14+026	9	13	60	0	0	0	27																																		
14+035	5	13	65	0	0	6	32																																		
14+040	20	21	338	0	0	7	87																																		
14+060	20	9	306	0	0	2	37																																		
14+080	20	5	141	0	0	2	26																																		
14+100	20	3	78	0	0	1	15																																		
14+120	20	1	39	0	0	1	26																																		
14+140	20	13	138	0	0	2	35																																		
14+160	20	23	360	0	0	18	1990																																		
14+180	20	19	425	0	0	0	0																																		
14+200	20	10	293	0	0	0	7																																		
14+220	20	2	115	0	0	1	14																																		
14+240	15	0	12	0	0	1	5																																		
14+255				0	0	0																																			
QUAKER HILL ROAD																																									
40+000	11	8	44	0	0	0	1																																		
40+011	9	4	56	0	0	0	2																																		
40+020	20	5	97	0	0	0	3																																		
40+040	20	0	52	0	0	0	1																																		
40+060				0	0	0	242																																		

REMARKS	
EARTH AND ROCK EXCAVATION	6733 CM
SOLID ROCK EXCAVATION	408 CM
EARTH EXCAVATION	6325 CM
PLANIMETERED FILL	1970 CM
LESS FACTORED SOLID ROCK	202 CM
TRENCH BACKFILL MATERIAL	800 CM
NET PLANIMETERED FILL	2972 CM
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	3418 CM
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	6325 CM
TRENCH EXCAVATION (EARTH AND ROCK) X 60%	1602 CM
DRIVE EXCAVATION	225 CM
EXCAVATION OF SURFACES AND PAVEMENTS	22 CM
TOTAL MATERIAL AVAILABLE FOR FILL	8174 CM
TOTAL FILL INCLUDING FACTOR	3418 CM
TOTAL MATERIAL FOR FILL	8174 CM
BORROW	0 CM
EXCESS EXCAVATION	4756 CM

PROJECT NAME: EAST MONTPELIER
 PROJECT NUMBER: STPG 028 - 3(35)S
 FILE NAME: +98b028frm.dgn
 PROJECT LEADER: J. SCHULTZ
 DESIGNED BY: J. GRUCHACZ
 EARTHWORKS SHEET
 PLOT DATE: 22-MAR-2010
 DRAWN BY: I. DEGUTIS
 CHECKED BY: J. DEVLIN
 SHEET 15 OF 142