EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V.C.	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.	SUBBASE AREA	SUBBASE CU. YDS.
	3.7385 %	98+49.00	521.70				0				0		0	
						.90		0						0
		98+50.00	521.73				9				1		5	
						42.7		7				23		9
		98+92.70	523.33	BUTT – END PATH BEGIN BRIDGE #1							28		7	
135.1' V.C.									C 7					
	4.9889 %	99+00		523.68					F 23					
									SB 249					
		+50		524.98										
		+60.25	526.70											
	–4.9889 %	100		524.43										
		+27.80	523.33	BUTT – END BRIDGE RESUME PATH										
		+28.00	523.32											
50' V.C.	–4.9889 %													
		+50		522.97							75		19	
		+53.00	522.46											
	5.000 %	+78.00	523.71											
50' V.C.														
		101	524.57				0				148		19	
		+03.00	524.96											
						50		1				148		33
		+28.00												
	0.000 %													
		+40	524.96											
		+46.94		END NEW CONSTRUCTION										
50' V.C.		+50		524.93							12		17	
		+70	524.96	STA. 98+49.10 TO 106+24 NOT IN CONTRACT		50						27		31
	–3.7500 %	102		523.84			0				17		19	
		+20	523.09			50		9				16		34
60' V.C.														
		+50	521.96	522.28			10				0		18	
		+80	522.12			50		34				3		29
	0.5294 %													
		103		522.23			27				3		15	
						50		47				0		30
		+50		522.49			24				0		17	
						50		47				0		34
		104		522.75			27				0		20	
						50		40				1		31
		+50		523.02			16				1		14	
						50						2		27
		+97	523.29											
50' V.C.														
		105		523.29			12				1		15	
		+22	523.40											
						50		19						27
	3.6234 %	+47	524.31											
		+50		524.42			9				6		14	
		+74	525.28											
						50		15				7		26
50' V.C.		+99	526.19											
	0.000 %													
		106		525.98			7				2		14	
						24		9				1		
		107	526.19	BUTT – EDGE TAYLOR ST.			14				0		14	
	TAYLOR ST.													
		+50		525.31										
				BEGIN PROJECT										
		106+54	525.17	EDGE TAYLOR ST.							0		14	
		+81	524.28			46		16				3		24
	–3.3077 %								C 64					
50' V.C.		107		523.73			5		F 23		3		14	
									SB 324					
		+06	523.45											
						50		13				4		26
		+31	523.16											
		+50		522.93			9				1		14	
		CARRIED FORWARD												
		COLUMN FOOTINGS						29				7		50

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V.C.	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.	SUBBASE AREA	SUBBASE CU. YDS.
						50		21				3		30
	–1.1724 %	108		522.35			14				2		18	
		+01	522.34											9
						50		12				6		32
		+50		522.07			1				5		17	
		+51												
	1.3750 %					50		1				6		24
		+71	522.03											
40' V.C.														
		+91	522.30											
		109		522.81			1				1		9	
	+5.0000%	+11	523.30			50		1				1		39
		+50	525.25				0				0		33	
														44
		+75	526.50										63	
		+78.2	526.66			40.7								105
		+90.64	526.73	BUTT – END PATH BEGIN BRIDGE									96	
		+95.70	524.11											
	+1.7166%	110		526.91										
167.0' V.C.		+50		526.27										
		+79.2	528.27											
		111		527.31										
	–1.1425 %	+50		527.43										
		+62.7	527.31											
		+68.64	527.31	BUTT – END BRIDGE RESUME PATH										
		+70.68	527.22	527.22			64				0		76	
		STA 111+70.68 AH												
		=STA 111+75.60 BK												
		EQ. = +4.92												
						29.33		72				0		84
		112		526.88			69				0		78	
	–1.1618 %					50		132				0		112
		+50		526.30			74				0		43	
									C 550					
		+63.17	526.15						F 8					
50' V.C.						50		104	SB 367			0		56
		+88.17	525.86											
		113		526.02			38				0		18	
		+13.17	526.12			50		59				0		33
	1.0768 %													
		+50		526.52			26				0		18	
						50		44				4		30
		+90	526.95											
100' V.C.		114		527.04			22				4		14	
		+40	527.49											
						50		53				4		26
		+50		526.82			35				0		14	
		+90	525.86											
	–3.2636 %					50		86				0		26
		115		525.53			58				0		14	
		+35	524.39			50		107				0		30
30' V.C.														
		+50	523.90	524.02			58				0		18	
	0.00 %	+65	523.90											
						50		71				8		34
		+75	523.90						C 504					
									F 75					
30' V.C.		+90	523.90						SB 281					
		116		523.38			19				9		19	
		+05	523.16			50		47				17		31
	–4.9455 %													
		+50		520.93			32				9		14	
		+50.2	520.92			50		52				11		27
100' V.C.														
		117		519.15			24				3		15	
		+00.2	518.45			50		44				6		28
	0.6262 %													
		+50		518.76			23				3		15	
		+50.2	518.76											
		CARRIED FORWARD												
		COLUMN FOOTINGS						906				66		791

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	SUBBASE
BEGIN	100+00	7		23					9
100+00	105+00	179		197					249
106+54	110+00	64		23					324
110+00	115+00	550		8					367
115+00	120+00	504		75					281
120+00	125+00	206		34					238
125+00	130+00	70		12					110
130+00	135+00	58		60					277
135+00	140+00	119		67					271
140+00	145+00	176		107					248
145+00	150+00	71		103					343
150+00	155+00	199		319					288
155+00	END	113		46					230
		2130		854					2977

N.I.C.

SHEET NO.	COL. NO.	EXCAVATION TOTAL CY	EXCAVATION ROCK CY	EMBANKMENT CY	SUBBASE CY
1	1	29		7	50
1	2	906		66	791
2	1	446		73	447
2	2	291		136	654
3	1	216		521	699
3	2	242		51	336
		2130		854	2977

SUMMARY BY COLUMNS

REMARKS	
EARTH AND ROCK EXCAVATION	2130
PAVEMENT EXCAVATION	0
EARTH EXCAVATION	2130
PLANIMETERED FILL	854
LESS FACTORED PAVEMENT	0
LESS DISPLACEMENT OF LARGE	
STRUCTURES	0
NET PLANIMETERED FILL	854
FACTOR 0.15	128
PLANIMETERED FILL INCL. FACTOR	982
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	2130
CHANNEL EXCAVATION	40
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	180
TOTAL MAT'L AVAILABLE FOR FILL	2350
TOTAL FILL INCLUDING FACTOR	982
TOTAL MATERIAL FOR FILL	
BORROW	
EXCESS EXCAVATION	1368

6829SCH6

PROJECT NAME MONTPELIER–WINOOSKI RIVER WEST BIKEWAY
PROJECT NUMBER BWM–BIKE (4)S