EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		MAINLINE												
		487+00	506.79	506.71	-0.08		37				4536			
						50		143				8714		
		+50	509.15	506.94	-0.21		117				4875		C	697
						50		143				9132	R	0
		488+00	509.51	509.12	-0.39		37				4988		FAC	1.3
						50		65				9396	F	78411
		+50	509.87	509.23	-0.64		33				5160		FAC	1.15
						50		49				9099	EXF	89476
		489+00	510.22	509.28	-0.94		20				4667			
						50		28				7935		
		+50	510.58	509.27	-1.31		10				3903			
						50		25				6321		
		490+00	510.94	509.20	-1.74		17				2924			
						50		16				4375		
		+50	511.30	509.07	-2.23		0				1801			
						50		21				2795		
		491+00	511.66	508.88	-2.78		23				1218			
						50		86				1884		
		+50	512.02	508.63	-3.39		70				817			
						50		209				1087		
		492+00	512.38	508.32	-4.06		156				357			
		+20	512.52	508.18	-4.34	50		452				540	C	8086
		+50	511.87	507.95	-3.92		332				226		R	0
						50		750				455	FAC	1.3
		493+00	510.78	507.52	-3.26		478				265		F	11750
						50		1007				430	FAC	1.15
		+50	509.69	507.03	-2.66		610				199		EXF	5426
						50		1356				184		
		494+00	508.61	506.48	-2.13		854				0			
						50		1824						
		+50	507.52	505.87	-1.65		1116							
						50		2365						
		495+00	506.43	505.20	-1.23		1438							
						50		2849						
		+50	505.35	504.47	-0.88		1639							
						50		3192						
		496+00	504.26	503.68	-0.58		1808							
						50		3503						
		+50	503.17	502.82	-0.35		1975							
						50		3550						
		497+00	502.09	501.91	-0.18		1859							
						50		3250						
		+50	501.00	500.94	-0.06		1651						C	22500
						50		2422					R	0
		498+00	499.91	499.91	0.00		965						FAC	1.3
		+20	499.48	499.48	0.00	50		1717					F	20[illegible]
		+50 BACK	499.83	F.G @ C.L.			889				0		FAC	1.15
		+50 AHEAD	499.58	F.G @ 12' LT		50		1197				116	EXC	20124
		499+00	497.49				404				125			
						50		485				449		
		+50	496.40				120				360			
						50		335				1501		
		500+00	495.32				242				1281			
						50		224				2114		
		+50	494.23				0				1022			
						50		20				1535		
		501+00	493.14				22				636			
						17.98		7				212		
		+17.98	492.75	BACK										
		+21.47	492.75	AHEAD										
						28.53		12				585		
		+50	492.13				0				1108			
						50						4247	C	263
		502+00	491.04								3479		R	0
						50						8956	FAC	1.3
		+50	489.96								6194		F	75807
						50						12897	FAC	1.15
		503+00	488.87								7735		EXF	86915
						50						14525		
		+50	487.78								7952			
						50						15070		
		504+00	486.70								8324			
						50						15666		
		+50	485.61								8686			
						50								
		505+00	484.52								8434			
						50						15888		
		+50	483.44								8507			
						50						16062		
		506+00	482.35								8840			
						50						16228		
		+50	481.26								8886			
						50						16173	C	0
		507+00	480.18								8781		R	0
						50						16019	FAC	1.3
		+50	479.09								8520		F	151213
						50						15388	FAC	1.15
		508+00	478.00								8100		EXF	173807
						50						14785		
		+50	476.92								7888			
						50						14258		
		509+00	475.83								7531			
						50						13607		
		CARRIED FORWARD						0		0		0		
		COLUMN FOOTINGS						31302		0		278427		

1200' V.C. K=415 (+0.7170% to -2.1735%; EQ.)

V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		MAINLINE												
		509+50	474.74								7165			
						50						13008		
		510+00	473.66								6884			
						50						12512		
		+50	472.57								6629			
						50						11949		
		511+00	471.48								6276			
						50						9236		
		+50	470.40								3699			
						50						4708		
		512+00	469.31								1386		C	0
						50						2012	R	0
		+50	468.22								787		FAC	1.3
						50						2336	F	67905
		513+00	467.14								1736		FAC	1.15
						50						4080	EXF	78091
		+50	466.05								2649			
						50						5563		
		514+00	464.96								3359			
						50						7295		
		+50	463.88								4520			
						50						8234		
		515+00	462.79								4373			
		+40	461.92	461.92	0.00	50						8033		
		+50	461.70	461.71	0.01						4303			
						50						7562		
		516+00	460.62	460.71	0.09						3864			
						50						6806		
		+50	459.53	459.85	0.32						3486			
						50						5793		
		517+00	458.44	459.11	0.67						2770		C	5576
						50						4492	R	0
		+50	457.35	458.52	1.17						2081		FAC	1.3
						50						3244	F	38807
		518+00	456.27	458.06	1.79						1423		FAC	1.15
		+40	455.40	457.78	2.38	50						2470	EXF	40202
		+50	455.50	457.72	2.22		0				1245			
						50		381				1280		
		519+00	456.00	457.52	1.52			411			137			
						50		1784				127		
		+50	456.50	457.45	0.95		1516				0			
						50		3411						
		520+00	457.00	457.52	0.52		2168							
						50		3420						
		+50	457.50	457.71	0.21		1526							
						50		2739						
		521+00	458.00	458.04	0.04		1432							
		+40	458.40	458.40	0.00	50		2789						
		+50	458.50				1560							
						50		3035						
		522+00	459.00				1698							
						50		3363					C	38540
		+50	459.50				1934						R	4[illegible]
						50		3804					FAC	1.3
		523+00	460.00				2174						F	0
						50		4446					FAC	1.15
		+50	460.50				2630	0					EXC	38977
						50		4787		490				
		524+00	461.00				2540	529						
		+40				50		4835		1804				
		+50	461.50				2682	1203						
						50		5320		2695				
		525+00	462.00				3084	1708						
						50		6087		3531				
		+50	462.50				3510	BACK 2105		BACK				
		+50	462.50				1430	AHEAD 996		AHEAD				
						50		2922		2241				
		526+00	463.00				1726	1424						
						50		3580		2434				
		+50	463.50				2140	1205						
						50		4388		2834				
		527+00	464.00				2599	BACK 1640		BACK				
		527+00	464.00				1351	AHEAD 863		AHEAD			C	36361
						50		2780		1404			R	16675
		+50	464.50				1630	751					FAC	1.3
						50		3181		1256			F	0
		528+00	465.00				1[illegible]	605					FAC	1.15
						50		[illegible]		1043			EXC	41364
		+50	465.50				1782	521						
						50		3348		8[illegible]				
		529+00	466.00				1834	350						
						50		3452		780				
		+50	466.50				1804	492						
						50		3321		[illegible]				
		530+00	467.00				1863	0						
						50		3119					C	3545
		+50	467.50				1675						R	0
						50		2176					FAC	1.3
		531+00	468.00				675						F	0
						20		258					FAC	1.15
		+20	468.20				0						EXC	5546
		CARRIED FORWARD						0		0		0		
		COLUMN FOOTINGS						[illegible]		21484		120720		

600' V.C. K=189 (-2.1735% to +1.00%)

V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		RAMP A	ROUTE 2A											
		9+00												
		+37	351.46		0.00	50								
		+50	351.19	351.23	0.04									
						50								
		10+00	350.14	351.25	1.11		20				68			
		+15	349.82	351.53	1.71	50		19				219		
		+50	352.16	352.68	0.52		0				168			
		+93	355.04		0.00	50						846		
		11+00	355.51				0				746			
						50						1898		
		+50	356.85				0				1304			
						50		28				2933		
		12+00	362.20				30				1864			
						50		28				4031	C	75
		+50	365.54				0				2490		R	0
						50						5000	FAC	1.3
		13+00	368.89								2910		F	27641
						50						5210	FAC	1.15
		+50	372.23								2717		EXF	31712
		+83.92	374.50	BEGIN BRIDGE		50						4690		
		14+00	375.58								2348			
						50						2494		
		+50	378.92								348			
						50						320		
		15+00	378.27								0			
						50								
		+50	385.61				0				0			
						50		135						
		16+00	388.96				146				0			
						50		239				8026		
		+50	392.30		0.00		112				8668			
						50		193				11448		
		17+00	395.63	395.42	-0.21		96				3696		C	1546
		+18.5	396.46	END BRIDGE		50		183				11448	R	[illegible]
		+50	398.87	398.00	-0.87		102				8668		FAC	1.3
		+80	399.96	398.88	-1.08	50		178				10853	F	105716
		18+00	400.77	400.33	-0.44		90				9641		FAC	1.15
						50		152				17514	EXF	120028
		+50	402.15	402.12	-0.03		74				9274			
		+70	402.71		0.00	50		152				15781		
		19+00	403.54				90				7770			
						50		161				13383		
		+50	404.93				84				6884			
						50		152				11163		
		20+00	406.31				80				5372			
						50		159				9985		
		+50	407.70				92				4440			
						50		170				8043	C	414
		21+00	409.08				92				4246		R	0
		+20	409.64			50		85				3931	FAC	1.3
		+50	410.47				0				0		F	210[illegible]
						50							FAC	1.15
		22+00	411.87										EXF	23804
						50								
		+50	413.66											
						33.97								
		+66.97	415.03											