

EARTHWORK

V.C.	% GRADE	STATION	GRADES			TOTAL EXCAVATION AND ROCK		EMBANKMENT		BASE		
			ELEVATION	CORR V.C.	DIST	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	
												ON TANGENT
150' V.C.	-0.50%	RAMP D										
		ROUTE 15										
		0+00	498.27									
		+50	498.02									
		+75	497.90									
		1+00	497.77	497.67	-0.10	77						
		+50	497.52	496.64	-0.88	50	147			62	57	
		+75	494.92	494.82	-0.10	50	101	230		3	60	
		+25	493.62		0.00	50	299			3	3	
		+50	492.32			50	222					C 4272
		3+00	489.72			50	256					R 0
		+50	487.12			50	367	577				F 120
		4+00	484.52			50	400	710				FAC 1.15
		+50	481.92			50	474	809				EXC 4134
		5+00	479.32			50	603	997				
+50	476.72			50	794	1294						
6+00	474.12			50	826	1500						
+50	471.52	471.69	0.17	50	982	1674						
7+00	468.92	469.61	0.69	50	1174	1996						
+50	466.32	467.87	1.55	50	1494	2470				C 24284		
8+00	465.79	466.48	0.69	50	1432	2709				R 3128		
+50	465.26	465.43	0.17	50	1556	2767				F 1.3		
9+00	464.73		0.00	50	1788	3096	619	1135		FAC 1.15		
+50	464.20			50	1856	3404	607	1420		EXC 25222		
10+00	463.67			50	1820	3388	927	1932				
+50	463.14			50	1839	3368	1160	2316		C 12093		
11+00	462.61			50	1798	3368	1341	2316		R 8044		
+50	462.08			50	1983	3501	1379	2519		F 0		
12+00	461.55			50	0	1836	0	1277		FAC 1.15		
+50	461.02			50	0	0	0	0		EXC 14506		
13+00	460.49			50								
+50	460.21			50								
14+00	459.93			50								
+50	459.65			50								
+78.13	459.49			50								

CARRIED FORWARD
COLUMN FOOTINGS 40649 11172 120

EARTHWORK

V.C.	% GRADE	STATION	GRADES			TOTAL EXCAVATION AND ROCK		EMBANKMENT		BASE	
			ELEVATION	CORR V.C.	DIST	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
150' V.C.	+6.80%	ROUTE 15									
		9+00									
		+50									
		10+00	457.30			326					
		+50	460.70			50	842				
		11+00	464.10			50	583	1121		528	489
		+50	467.50			50	542	1083	415	873	0
		12+00	471.00			50	970	744	10	11	C 9158
		+50	474.40	474.40	-0.10	50	506	869	389	650	2
		13+00	478.00	477.58	-0.42	50	433	814	313	582	2
		+50	481.50	480.56	-0.94	50	594	963	473	731	6
		14+00	485.00	483.33	-1.67	50	525	1036	363	774	0
		+50	488.50	485.90	-2.60	50	471	922	0	336	0
		15+00	492.00	488.25	-3.75	50	110	538		102	0
		+50	495.50	490.40	-5.10	50	0	102		271	251
16+00	499.00	492.33	-6.67	50				694	894		
+50	502.50	494.06	-8.44	50				1175	1731		
17+00	502.25	495.58	-6.67	50				1194	2194		
+50	502.00	496.90	-5.10	50				1157	2177		
18+00	501.75	498.00	-3.75	50				1395	2363		
+50	501.50	498.90	-2.60	50				2077	2777		
19+00	501.25	499.58	-1.67	50				1991	2952		
+50	501.00	500.06	-0.94	50				1190	2307		
20+00	500.75	500.33	-0.42	50				917	1951		
+50	500.50	500.40	-0.10	50				721	1517		
21+00	500.25		0.00	50				494	1125		
+50	500.00			50				421	847		
22+00	499.75			50				164	542		
+50	499.50			50				97	242		
23+00	499.25			50				102	184		
+50	499.00			50				28	120		
24+00	498.75	498.89	0.14	50				26	50		
+50	498.50	499.07	0.57	50				5	3148		
25+00	498.25	499.53	1.28	50				3	EXF 20524		
+50	499.70	500.27	0.57	50				3			
26+00	501.15	501.29	0.14	50				0			
+50	502.60	502.60	0.00	50				1			
27+00	504.05	503.89	-0.16	50				0			
+50	505.50	504.87	-0.63	50				0			
+65	505.94	505.11	-0.83	50				0			
28+00	506.00	505.60	-0.40	50				0			
+50	506.00	505.94	-0.06	50				0			
+80	505.94		0.00	50				0			
29+00	505.00		0.00	50				0			
+50	506.00	506.06	0.06	50				0			
30+00	507.25		0.00	50				0			
+50	508.50			50				0			
31+00				50				0			

CARRIED FORWARD
COLUMN FOOTINGS 17214 5179 22641

EARTHWORK SUMMARY

STATE OF VERMONT
DEPARTMENT OF
HIGHWAYS

STATION TO STATION	TOTAL EXCAVATION (CUBIC YARDS)	ROCK EXCAVATION (CUBIC YARDS)	EARTH EXCAVATION (CUBIC YARDS)	SUMMARY OF BALANCES		BASE CUBIC YARDS
				EMBANKMENT (CUBIC YARDS)	BASE (CUBIC YARDS)	
433+50 535+00	0	0	0	0	0	12666
435+00 440+00	0	0	0	0	0	36337
440+00 445+00	140	0	0	140	0	123914
445+00 450+00	48329	42228	6101	27187	0	
450+00 455+00	202462	191487	10975	0	0	
455+00 460+00	133434	107843	25591	0	0	
460+00 465+00	66023	45327	20696	0	0	
465+00 470+00	81636	63199	18437	0	0	
470+00 475+00	98932	21344	37588	0	0	
475+00 480+00	54350	47761	6589	0	0	
480+00 485+00	8455	2062	6393	20572	0	
485+00 490+00	697	0	697	78411	0	
490+00 495+00	8086	0	8086	11750	0	
495+00 500+00	22500	0	22500	2066	0	
500+00 505+00	263	0	263	75807	0	
505+00 510+00	0	0	0	151215	0	
510+00 515+00	0	0	0	67905	0	
515+00 520+00	5576	0	5576	39807	0	
520+00 525+00	38540	4789	33751	0	0	
525+00 530+00	36361	16675	19686	0	0	
530+00 531+20	5545	0	5545	0	0	
ROUTE 15						
10+00 15+00	9158	5179	3979	37		
15+00 20+00	102	0	102	17936		
20+00 25+00	2216	0	2216	4663		
25+00 30+00	5349	0	5349	6		
30+00 31+00	389	0	389	0		
RAMP A ROUTE 15						
9+60.91 15+00	2088	1360	728	0		
15+00 20+00	16875	3703	13172	32		
20+00 24+29.40	7	0	7	12190		
RAMP D ROUTE 15						
0+00 5+00	4272	0	4272	120		
5+00 10+00	24284	3128	21156	0		
10+00 14+78.13	12093	8044	4049	0		
RAMP A ROUTE 2A						
10+00 15+00	75	0	75	27641		
15+00 20+00	1545	0	1545	105716		
20+00 21+50	414	0	414	21059		
RAMP B ROUTE 2A						
10+00 15+00	0	0	0	30622		
15+00 20+00	0	0	0	65656		
20+00 22+50	309	0	309	5132		
RAMP D ROUTE 2A						
10+00 15+00	483	0	483	21541		
15+00 20+00	0	0	0	56731		
20+00 24+00	707	0	707	4417		
TOTALS	851695	564129	287566	1021135		

SHEET NO.	COL NO.	SUMMARY BY COLUMNS			REMARKS
		EXCAVATION TOTAL CU YDS	EMBANKMENT TOTAL CU YDS	BASE TOTAL CU YDS	
1	1	140	0	172917	TOTAL EXCAVATION 885,395
2	1	450248	386885	27187	SOLID ROCK EXCAVATION 564,129
3	1	203617	134366	48386	ROCK FACTOR 1,30
2	1	31302	0	278427	TOTAL ROCK (FACTORED) 733,368
2	2	86022	21464	120720	EARTH EXCAVATION 321,266
3	2	2034	0	154416	TOTAL PLANIMETERED FILL 1,021,135
3	1	309	0	101410	FILL FACTOR 1.15
2	1	1190	0	82689	TOTAL FILL (FACTORED) 1,174,305
3	3	18970			