

EARTHWORK

GRADES							TOTAL EXCAVATION EARTH AND ROCK				EMBANKMENT				BASE	
V.C.	% GRADE	STATION	ELEVATION		CORR. V.C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.		
			ON TANGENT	ON V. CURVES												
			TOWN HIGHWAY #27													
OLD ROAD PROFILE		9	637.30													
		+50	637.50													
		10	636.10													
		+50	633.70													
		11	629.90			50										
		+41	626.70													
		+50	626.00													
		12	621.82													
		+50	617.65													
		13	613.47													
- 8.3529 %		+25	611.38													
		+50	609.29													
		+75	607.21	607.21	0											
		+96	605.45	605.49	+0.04											
		14	605.12	605.18	+0.06											
		+12	604.12	604.25	+0.13											
		+50	600.94	601.48	+0.54											
		15	596.76	598.27	+1.51											
		+50	592.59	595.55	+2.96											
		+75	590.50	594.37	+3.87											
- 0.6105 %		16	590.35	593.31	+2.96											
		+50	590.04	591.55	+1.51											
		17	589.74	590.28	+0.54											
		+50	589.43	589.49	+0.06											
		+75	589.28	589.28	0											
		+80	589.25	589.25	0											
		18	589.13	589.17	+0.04											
		+30	588.95	589.18	+0.23											
		+50	589.19	589.27	+0.08											
		+62	589.34	589.37	+0.03											
+ 1.2105 %		+65	589.37	589.39	+0.02											
		+80	589.56	589.56	0											
		+90	589.68	589.68	0											
		19	589.80	589.78	-0.02											
		+16	589.99	589.93	-0.06											
		+25	590.10	589.82	-0.28											
		+50	589.60	589.58	-0.02											
		+60	589.40	589.40	0											
		20	588.60													
		+50	587.60													
- 2.0000 %		+73														
		+88														
		21														
		+50														
		22														
		+50														
		23														
		+50														
		24														
		+50														
END APPROACH CONSTRUCTION																
CARRIED FORWARD																
COLUMN FOOTINGS							2232			5866						

EARTHWORK

V. C.	X GRADE	STATION	GRADES				DIST.	TOTAL EXCAVATION EARTH AND ROCK		EMBANKMENT		BASE	
			ELEVATION ON TANGENT	ON V. CURVES	CORR. V. C.	AREA		CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	
			US ROUTE 5										
		45											
		+50											
		46											
		+50											
		47											
		+50											
		48										C	2573
		+50										F	0
		+76					50		379			EXC	1.15
		49	593.50					350					2573
		+50	592.96					580					
		50	592.42						861				
		+50	591.88					860	1333				
		51	591.33					880	1611				
		+50	590.79					780	1537				
		52	590.25					505	1190				
		+50	589.71					505	625				
		53	589.17	589.17	0			170	259				
		+20	588.95	588.96	+0.01			110	244			C	6718
		+50	588.63	588.67	+0.04			154	291			F	0
		+75	588.35	588.45	+0.10			160				F.FAC	1.15
		+87.82	588.22	588.36	+0.14				286			EXC	6718
		54	588.08	588.25	+0.17								
		+02	588.06	588.24	+0.18			149					
		+25	587.81	588.06	+0.27				314				
		+50	587.54	587.93	+0.39			190					
		+70	587.33	587.83	+0.50				361				
		55	587.00	587.70	+0.70			200	299				
		+50	587.16	587.55	+0.39			123	236				
		56	587.31	587.48	+0.17			132					
		+48	587.47	587.52	+0.05				215			C	1106
		+50	587.47	587.51	+0.04			100				F	0
		57	587.63	587.63	0			99	184			F.FAC	1.15
		+50	587.79				50	87	172			EXC	1106
		+68	587.84										
		+87											
		58	587.94										
		+50	588.10										
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EARTHWORK SUMMARY

STATE OF VERMONT
AGENCY OF
TRANSPORTATION

STATION TO STATION		SUMMARY OF BALANCES				EXCESSES		ACCUMULATIVE EXCESSES		BASE
		TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS	CUT	FILL	CUT	FILL	
50+00	55+00	845		0		845		845		
55+00	60+00	745		2776			2447		1602	
60+00	65+00	2740	148	13544			12762		14364	
65+00	70+00	5311	194	3104		1837			12527	
70+00	75+00	5078	1667	8941			2079		14606	
75+00	80+00	19939	6772	1157		21961			7355	
80+00	85+00	3659	665	6270			3222		4133	
85+00	89+94.67	4394		948		3304			7437	
SUB-TOTAL		42711	9446	34740		27947	20510			
UNDERCUTS										
ML 62+50	ML 64+50	704				704			8141	
ML 85+50	ML 89+50	1366				1366			9507	
TH #27	10+00	586		5478			5478		3803	
15+00	20+50	1636		388			1190		4993	
45+00	50+00	2573		0		2573			7566	
50+00	55+00	6718		0		6718			14284	
55+00	58+00	1106		0		1106			15390	
DRIVES AND APPROACHES		148		607			550		14840	
TOTALS		57558	9446	41213		41604	26764			
US-5 CONC. REMOVAL (7') UNDER										
6" BIT. CONC.										
STA 48+50 - 57+65										
*DO NOT FACTOR										
SUMMARY BY COLUMNS						REMARKS				
SHEET NO.	COL. NO.	EXCAVATION								
		TOTAL CU. YDS.	ROCK CU. YDS.	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS					
12	1	9641	342	19424		EARTH AND ROCK EXCAVATION 57,558				
12	2	28676	9104	14368		SOLID ROCK EXCAVATION 9,446				
12	3	4394		948		EARTH EXCAVATION 48,112				
13	1	2070				PLANIMETERED FILL 41,213				
13	1	2232		5866		LESS FACTORED SOLID ROCK 1.3 12,280				
13	2	10397				LESS DISPLACEMENT OF ANY LARGE STRUCTURES 0				
13	2	10397				NET PLANIMETERED FILL 28,933				
13	2	10397				FACTOR 1.15 4,340				