

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 C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	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 TO STATION	TOT. EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	CUT	FILL	CUT	FILL			
FT.		S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.		S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.		S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.		S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	
267+50		0		0		0																							267+50	272+50	1787	356	52	1904		1904				
268+00	50	51	47	0		2																							272+50	277+50	3861	3448	710	4751		6655				
268+50		40	64	0		11																							277+50	281+50	363	0	118	228		6883				
269+00	50	29	64	0		10																																		
269+50	50	42	66	0		4																																		
270+00	50	41	77	0		1																																		
270+50	50	53	87	0		1																																		
271+00	50	85	128	0		0																																		
271+50	50	165	231	0		0																																		
272+00	50	267	400	0		0																																		
272+50	50	384	603	0	356	0																																		
273+00	50	573	886	384	886	0																																		
273+50	50	1085	1085	573	1085	0																																		
274+00	50	599	1016	498	1016	0																																		
274+50	50	498	601	0	461	0																																		
275+00	50	151	192	0	43	0																																		
275+50	50	56	67	0	118	0																																		
276+00	50	16	142	0	142	0																																		
276+50	50	0	137	0	137	0																																		
277+00	50	0	148	0	148	0																																		
277+50	50	0	123	0	123	0																																		
278+00	50	0	63	0	63	0																																		
278+50	50	6	25	0	11	0																																		
279+00	50	21	48	0	6	0																																		
279+50	50	31	5	0	5	0																																		
280+00	50	38	118	0	118	0																																		
280+50	50	44	6	0	3	0																																		
281+00	50	56	93	0	3	0																																		
281+50	50	0	0	0	0	0																																		

REMARKS	
NOTE: FORMULA TO BE USED FOR TOTAL PROJECT CASE II - UNUSUAL SITUATION (MORE FACTORED ROCK THAN FILL ON PROJECT). $C + 0.30R - F$	
C = TOTAL EXCAVATION (EARTH & ROCK)	
R = SOLID ROCK EXCAVATION	
F = TOTAL FILL	
TOTAL EARTH AND ROCK EXCAVATION (C)	6011
TOTAL EXCAVATION	6011
SOLID ROCK EXCAVATION (R)	3804
FACTOR	0.3
TOTAL FACTOR SOLID ROCK EXCAVATION	1141
TOTAL PLANIMETERED FILL (F)	880
EXCESS EXCAVATION (C + 0.30R - F)	6272

PROJECT NAME:	Sudbury	PLOT DATE:	12/20/01
PROJECT NUMBER:	ST 0161 (10)	DRAWN BY:	JAS
FILE NAME:	0	CHECKED BY:	0
PROJECT LEADER:	AJB	EARTHWORK SHEET #1	SHEET 8 OF 34
DESIGNED BY:	0		