

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# EARTHWORKS

																				SUMMARY AND BALANCES																		
STATION		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				STATION		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				STATION		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	
FT.	S.F.	C.Y.	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.	S.F.	C.Y.	STATION TO STATION	TOT EXC EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	CUT	FILL	CUT	FILL		
<b>U.S. ROUTE 7 ROADWAY WIDENING</b>										720+50	79	0	0	<b>U.S. BR 4 SHARED USE PATH CONSTRUCTION</b>										<b>U.S. ROUTE 7 ROADWAY WIDENING</b>														
702+39.63	10	32	13	0	0					721+00	50	65	133	0	0					112+40	10	17	5	0	0	0		702+39.63	705+00	594	0	0	594	0	594			
702+50	50	36	81	0	0					721+50	50	66	121	0	0					112+50	50	11	24	0	1	2		705+00	709+42.17	1412	0	0	1412	0	2006			
703+00	50	52	102	0	0					722+00	50	57	114	0	1	1				113+00	50	15	20	0	1	6		<b>U.S. ROUTE 7 SHARED USE PATH AND UTILITY CONSTRUCTION</b>										
703+50	50	58	122	0	0					722+50	50	56	105	0	1	2				113+50	50	7	13	0	5	8	CUT ROCK 0	709+42.17	715+00	1121	0	4	1116	0	3122			
704+00	50	74	127	0	0					723+00	50	55	102	0	4	5				114+00	50	7	17	0	4	9	R.FAC .495	715+00	720+00	1260	0	0	1260	0	4382			
704+50	50	63	149	0	0					723+50	50	55	102	0	3	6				114+50	40	11	22	0	6	4	FILL 26	720+00	725+00	1135	0	26	1105	0	5488			
705+00	50	98	191	0	0					724+00	50	58	104	0	1	4				114+90		19		0	0	4	F.FAC 1.15	725+00	730+00	1005	0	65	930	0	6418			
705+50	50	108	196	0	0					724+50	50	54	100	0	2	3				<b>U.S. BR 4 VERTICAL GRANITE CURB CONSTRUCTION</b>																		
706+00	50	104	183	0	0					725+00	50	54	100	0	3	5				LEFT SIDE CURB LENGTH (LF) = 183																		
706+50	50	94	143	0	0					725+50	50	53	99	0	6	8				ASSUMED WIDTH OF EXCAVATION (LF) = 3.5																		
707+00	50	60	133	0	0					726+00	50	55	100	0	7	12				ASSUMED DEPTH OF EXCAVATION (in) = 18																		
707+50	50	84	157	0	0					726+50	50	54	101	0	4	10				VOLUME OF EXCAVATION (CF) = 961																		
708+00	50	86	152	0	0					727+00	50	59	105	0	0	4				VOLUME OF EXCAVATION (CY) = 36																		
708+50	50	78	141	0	0					727+50	50	53	99	0	0	3				<b>"THE BUS" SHELTER PAD REMOVAL</b>																		
709+00	42	74	116	0	0					728+00	50	54	100	0	3	6				EXCAVATION AREA LT OF EXISTING ROAD (SF) = 126																		
709+42.17	74	116	0	0						728+50	50	54	100	0	3	6				ASSUMED DEPTH OF EXCAVATION (in) = 14																		
<b>U.S. ROUTE 7 SHARED USE PATH AND UTILITY CONSTRUCTION</b>										729+00	54	98	0	3	8					VOLUME OF EXCAVATION (CF) = 147																		
709+50	50	44	84	0	0		2			729+50	50	52	98	0	6	8				VOLUME OF EXCAVATION (CY) = 5																		
710+00	50	47	90	0	0		2			730+00	50	55	99	0	3	8				<b>COURT SQUARE TURNAROUND</b>																		
710+50	50	50	76	0	0					730+50	50	53	100	0	3	6				EXCAVATION AREA LT OF EXISTING ROAD (SF) = 1995																		
711+00	50	32	76	0	0					731+00	50	56	101	0	2	5				ASSUMED DEPTH OF EXCAVATION (in) = 15																		
711+50	50	51	77	0	0					731+50	50	84	130	0	0	2				VOLUME OF EXCAVATION (CF) = 2494																		
712+00	50	59	102	0	0					732+00	50	52	103	0	0					VOLUME OF EXCAVATION (CY) = 92																		
712+50	50	67	117	0	0					732+50	50	59	109	0	0	1				<b>"THE BUS" SHELTER PAD REMOVAL</b>																		
713+00	50	70	122	0	0					733+00	50	59	174	0	1	1				PAD REMOVAL 5 0 0 5 0 8235																		
713+50	50	62	116	0	0					733+50	50	129	176	0	0	9				<b>COURT SQUARE TURNAROUND</b>																		
714+00	50	63	103	0	0					734+00	50	61	120	0	10	10				COURT SQ. REMOVAL 92 0 0 92 0 8327																		
714+50	50	48	107	0	0					734+50	50	69	118	0	1	6				<b>PROJECT TOTALS</b>																		
715+00	50	68	122	0	0					735+00	50	58	156	0	5	5				8521 0 169																		
715+50	50	64	121	0	0					735+50	50	111	203	0	0					<b>REMARKS</b>																		
716+00	50	67	121	0	0					736+00	50	108	144	0	0					EARTH AND ROCK EXCAVATION 8521																		
716+50	50	64	147	0	0					736+50	50	47	0	0	0					SOLID ROCK EXCAVATION 0																		
717+00	50	95	145	0	0															EARTH EXCAVATION 8521																		
717+50	50	62	121	0	0															PLANIMETERED FILL 169																		
718+00	50	69	118	0	0															LESS FACTORED SOLID ROCK 0																		
718+50	50	58	116	0	0															LESS DISPLACEMENT OF ANY LARGE STRUCTURES 0																		
719+00	50	67	118	0	0															NET PLANIMETERED FILL 169																		
719+50	50	60	131	0	0															FACTOR (0.15) 25																		
720+00	50	81	75	0	0															PLANIMETERED FILL INCLUDING FACTOR 194																		
																				MATERIALS AVAILABLE FOR FILLS 8521																		
																				EARTH EXCAVATION 0																		
																				CHANNEL EXCAVATION 0																		
																				UNDERDRAIN EXCAVATION 0																		
																				STRUCTURE EXCAVATION 0																		
																				TOTAL MATERIAL AVAILABLE FOR FILL 8521																		
																				TOTAL FILL INCLUDING FACTOR 194																		
																				TOTAL MATERIAL FOR FILL 8521																		
																				BORROW 0																		
																				EXCESS EXCAVATION 8327																		

PROJECT NAME: RUTLAND CITY  
 PROJECT NUMBER: STP 019-3(57)  
 FILE NAME: ...\\PlotFiles\rut\_earthworks.dgn PLOT DATE: 7/12/2013  
 PROJECT LEADER: GAE DRAWN BY: PZA  
 DESIGNED BY: TFD CHECKED BY: GAE  
**EARTHWORKS SHEET EW-01** SHEET 275 OF 392

