EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	SOLID ROCK EXCAVATION AREA	SOLID ROCK EXCAVATION CU. YDS.	EMBANKMENT * AREA	EMBANKMENT * CU. YDS.	BASE AREA	BASE CU. YDS.
	March EV 5%	222+00	103.8	BEGIN APPROACH			0				*STONE FILL NOT INCLUDED			
		+50	104.40			50	45	42	13					
		223+00	105.00	BEGIN PROJECT BRS 0285(1) S		50	46	84	13	24	0		R	102
		+50	105.60	105.60	0.00	50	18	59	13	24	7	6	C	263
		224+00	106.20	106.13	-0.07	50	13	29	13	24	50	53	F	146
		+50	106.80	106.52	-0.28	50	19	30	13	24	25	69	FACT	1.15
	+1.2000%	+62	106.94	106.60	-0.31	12		19	13	6			EXC	145
		+75	107.10	106.67	-0.43	25	22 BUTT		BUTT		13 BUTT	18		
		+85	107.22	106.72	-0.50									
		225+00	107.40	106.78	-0.62									
		+07	107.48	106.81	-0.67		STOP ROADWAY - BEGIN BRIDGE							
	400' V.C.	+50	108.00	106.90	-1.10									
		+99	107.51	106.89	-0.62		END BRIDGE - RESUME ROADWAY							
		226+00	107.50	106.88	-0.62									
		+20	107.30	106.84	-0.46									
		+31	107.19	106.80	-0.39						60			
		+50	107.00	106.72	-0.28	19					90	53		
		227+00	106.50	106.43	-0.07	50					187	256	C	289
		+50	106.00	106.00	0.00	50					156	318	F	1257
	-1.0000%	228+00	105.50			50					115	251	FAC	1.15
		+50	105.00			50					90	190	EXF	1157
		229+00	104.50			50	0				55	134		
		+25	104.25	104.25	0.00									
		+50	104.00	104.02	+0.02	50.01		95				53		
		+50.01	104.00	104.02	+0.02		103				2			
	100' V.C.	+75	103.75	103.81	+0.06									
		+75.02	103.75	103.81	+0.06	50.01		194				2		
		230+00	103.63	103.65	+0.02									
		+00.02	103.63	103.65	+0.02		106				0			
		+25	103.50	103.50	0.00									
		+25.03	103.50			50.01		205						
		+50	103.38											
	-0.4909%	+50.03	103.38				115							
		+85	103.21										C	1234
		+85.03	103.21			50		223					F	0
		231+00	103.14										FAC	1.15
		+00.03	103.14				126						EXC	1234
		+50	102.89			50.01		232						
		+50.04	102.89				125							
		232+00	102.65			50.01		227						
		+00.05	102.65				120							
		+50	102.40			50.04		229	REV 232+50 END PROJECT - BEGIN APPROACH BRS 0285(1) S					
		+50.09					127							
	Match Existing	233+00				50.03		118	END APPROACH					
		+00.12					0							
		CARRIED FORWARD COLUMN FOOTINGS						1786		102		1403		

EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.			EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		CARRIED FORWARD COLUMN FOOTINGS												

EARTHWORK SUMMARY

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF BALANCES

STATION TO STATION		TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL		BASE CUBIC YARDS
222+50	225+00	263	102	146	145		145			
225+00	230+00.02	289		1257		1157		1012		
230+00.02	233+00.12	1234			1234		222			
DRIVES		26			26		248			
REMOVAL OF BIT CONC PAV'T BELOW SUBGRADE 226+31	229+95	115		115		17	231			
TOTALS		1927	102	1518	1405	1174	231			

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS EXCAVATION TOTAL CU. YDS.	EXCAVATION ROCK CU. YDS.	EMBANKMENT CUBIC YARDS		BASE CUBIC YARDS

REMARKS

EARTH AND ROCK EXCAVATION	1927
SOLID ROCK EXCAVATION (Port.Cem.Conc.Pvmt)	102
EARTH EXCAVATION	1825
PLANIMETERED FILL	1518
LESS FACTORED SOLID ROCK 102X1.3	133
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	1385
FACTOR 0.15	208
PLANIMETERED FILL INCLUDING FACTOR	1593
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	1825
CHANNEL EXCAVATION 60%X460	276
UNDERDRAIN EXCAVATION 50%X161	81
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	2182
TOTAL FILL INCLUDING FACTOR	1593
TOTAL MATERIAL FOR FILL	2182
BORROW	
EXCESS EXCAVATION	589
PLUS FACTORED GRANULAR BORROW	640
TOTAL EXCESS EXCAVATION	1229

PROJECT HIGHGATE

PROJECT BRS NO 0285(1) S

SHEET 5 OF 64 SHEETS