STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.
PARK AND RIDE									
70+00		0				0			
	50		153				5		
70+50		165				5			
	50		288				17		
71+00		146				13			
	50		278				23		
71+50		154				12			
	50		299				16		
72+00		169				5			
	33		216				3		
72+33		184				0			
	17		113				0		
72+50		175				0			
	27		273				0	CUT	5343
72+77		372				0		ROCK	0
	23		312				0	R.FAC	.495
73+00		361				0		FILL	235
	20		237				0	F.FAC	1.15
73+20		279				0		EX. C	5073
	30		336				0		
73+50		326				0			
	50		603				0		
74+00		325				0			
	50		585				4		
74+50		307				4			
	50		540				28		
75+00		277				26			
	50		476				81		
75+50		238				62			
	50		565				57		
76+00		372				0			
	5		69				0		
76+05		372				0			
							0		

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
CMG PARK (31)								
70+00	76+05	5343		235	5073		5073	
3% CONTINGENCY			160					
SUB-TOTAL		5343	160	235	5073			
TOTAL		5343	160	235	5073			

REMARKS

EARTH AND ROCK EXCAVATION		5343
SOLID ROCK EXCAVATION		160
EARTH EXCAVATION		5183
BACKFILL FOR TRENCH EXCAVATION (CB AND PIPES)		4
PLANIMETERED FILL		235
LESS FACTORED SOLID ROCK		
LESS DISPLACEMENT OF ANY LARGE STRUCTURES		
NET PLANIMETERED FILL		239
FACTOR		1.15
PLANIMETERED FILL INCLUDING FACTOR		275
MATERIALS AVAILABLE FOR FILLS		
EARTH EXCAVATION		5183
CHANNEL EXCAVATION		
UNDERDRAIN EXCAVATION		797
STRUCTURE EXCAVATION		
TRENCH EXCAVATION FOR DRAINAGE		22
TRENCH EXCAVATION OF ROCK		10
TOTAL MATERIAL AVAILABLE FOR FILL		6012
TOTAL FILL INCLUDING FACTOR		275
TOTAL MATERIAL FOR FILL		6012
BORROW		
EXCESS EXCAVATION		5737

PROJECT NAME: **RICHMOND**
PROJECT NUMBER: **CMG PARK (31)**

FILE NAME: **Z97C186EWQTY.XLS**
PROJECT LEADER: **ERIK ATKINS**
DESIGNED BY: **T. BIGELOW**
EARTHWORK SHEET

PLOT DATE: **11/15/2012**
DRAWN BY: **A. ACHARYA**
CHECKED BY: **E.ATKINS**
SHEET **102** OF **133**