

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS



SUMMARY AND BALANCES

STATION TO STATION km + m		TOTAL EXC. EARTH+ROCK m ³	ROCK EXCAVATION m ³	EMBANKMENT m ³	EXCESSES		ACCUMULATIVE EXCESSES	
					CUT	FILL	CUT	FILL
16+670	16+800			28455		32723		32723
MUCK EXCAVATION								
16+670	16+785	1962	0	0	1962			30761
BR 700/COMMON EXCAVATION		5910	0	0	5910			24851
CONSTRUCTION SEQUENCING		1970	0	2639		1065		25916
X10+200	X10+331	660	0	370	235			25681
CD10+000	CD10+140	630	0	2090		1774		27455
CD10+140	CD10+200	200	0	2190		2319		29774
CD10+200	CD10+271.929	110	0	3510		3927		33701
C10+100	C10+200	40	0	3850		4388		38089
C10+200	C10+250.786	0	0	2240		2576		40665
MUCK EXCAVATION								
C10+235	CD10+120	1987	0	0	1987			38678
D10+000	D10+200	650	0	4150		4123		42801
D10+200	D10+236.439	445	0	0	445			42356
Z10+000 RT	Z10+200 RT	4520	0	0	4520			37836
Z10+200 RT	Z10+228 RT	640	0	0	640			37196
Y10+180	Y10+216.991	46	0	29	13			37183
AB10+000	AB10+196.565	5227	0	1376	3645			33538
B10+064.800	B10+260	3911	0	1660	2002			31536
B10+280	B10+323.782	34	0	817		906		32442
Z10+000 LT	Z10+200 LT	10540	0	0	10540			21902
Z10+200 LT	Z10+288 LT	1500	0	0	1500			20402
Y10+000	Y10+180	10	0	1440		1646		22048
X10+000	X10+200	1430	0	2570		1526		23574
C10+000	C10+100	0	0	1600		1840		25414
A10+000	A10+184.529	300	0	3320		3518		28932
61+120	61+200	630	0	0	630			28302
61+200	61+280	0	0	0		0		28302
ROADSIDE DRAINAGE FEATURES		810	0	0	810			27492

SUMMARY AND BALANCES

STATION TO STATION km + m		TOTAL EXC. EARTH+ROCK m ³	ROCK EXCAVATION m ³	EMBANKMENT m ³	EXCESSES		ACCUMULATIVE EXCESSES	
					CUT	FILL	CUT	FILL
EROSION CONTROL SEDIMENT TRAPS		3492	0	1757	1471			26021
UNDERDRAIN EXCAVATION		265	0	0	265			25756
TRENCH EXCAVATION		1090	0	0	1090			24666
STRUCTURE/COFFERDAM EXCAVATION		3530	0	0	1059			23607
CHANNEL EXCAVATION		1381	0	0	414			23193
SAN. SEWER TRENCH EXCAVATION		597	0	0	597			22596
MUCK EXCAVATION								
16+624	16+670	151	0	0	151			22445
16+624	16+670	0	0	23823		27396		49841

SUMMARY BY COLUMNS

DWG. NO.	COL. NO.	EXCAVATION		FILL				
		TOTAL	ROCK					
		m ³	m ³	m ³				
EW-1	1	0	0	52278				
EW-1	2	2100	0	4380				
EW-1	3	5573	0	4725				
EW-1	4	4575	0	4567				
EW-2	1	350	0	13390				
EW-2	2	18295	0	4150				
EW-2	3	12197	0	1757				
EW-2	4	11578	0	2639				
TOTAL		54668	0	87886				
REMARKS								
EARTH AND ROCK EXCAVATION				54668 m ³				
SOLID ROCK EXCAVATION				0 m ³				
EARTH EXCAVATION				54668 m ³				
PLANIMETERED FILL				87886 m ³				
SOLID ROCK FACTOR				1.30				
LESS FACTORED SOLID ROCK				0				
LESS DISPLACEMENT OF ANY LARGE STRUCTURES				0				
NET PLANIMETERED FILL				87886 m ³				
FACTOR				1.15				
PLANIMETERED FILL INCLUDING FACTOR				101069 m ³				
MATERIALS AVAILABLE FOR FILL								
ROADWAY/DRAINAGE/EROSION CONTROL EXCAVATION				35825 m ³				
BR700/COMMON EXCAVATION				5910 m ³				
MUCK EXCAVATION				4100 m ³				
UNDERDRAIN EXCAVATION				265 m ³				
STRUCTURE/COFFERDAM EXCAVATION (3530 x 0.30)				1059 m ³				
TRENCH EXCAVATION				1090 m ³				
CHANNEL EXCAVATION (1381 x 0.30)				414 m ³				
CONSTRUCTION SEQUENCING				1970 m ³				
SANITARY SEWER TRENCH EXCAVATION				597 m ³				
TOTAL MATERIAL AVAILABLE FOR FILL				51230 m ³				
TOTAL FILL INCLUDING FACTOR				101069 m ³				
TOTAL MATERIAL FOR FILL				51230 m ³				
BORROW SUBTOTAL				49839 m ³				
BORROW ROUNDING				1661 m ³				
BORROW				51500 m ³				
EXCESS EXCAVATION				0 m ³				
PROJECT:				PROJECT NO.:				
BENNINGTON - HOOSICK				D.P.I. 0146(1) C/4				
DESIGN FILE NAME: EARTHWK.DGN				PLOT DATE: 9/00				
IPARM FILE NAME:				SURVEYED BY: V.S.E.				
SQUAD LEADER: T.P.K.				DRAWN BY: E.C.D.				
DWG. NO. EW-3				SHEET 23 OF 385				

FILE NAME = \\s116\west\contract4\earthwk.dgn
DATE/TIME = 06 SEP 2000
USER = 1457