STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

VAOT Metric

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
CD10+140		3		0		35		C	200
	20		60		0		840	FAC	1.00
CD10+160		3		0		49		F	2190
	20		30		0		820	FAC	1.15
CD10+180		0		0		33		EXF	2319
	20		110		0		530		
CD10+200		11		0		20			
	20		110		0		610		
CD10+220		0		0		41		C	110
	20		0		0		890	FAC	1.00
CD10+240		0		0		48		F	3510
	20		0		0		1000	FAC	1.15
CD10+260		0		0		52		EXF	3927
	11.9		0		0		1010		
CD10+271.929		0		0		49			
C10+000		0		0		0			
	20		0		0		0		
C10+020		0		0		0			
	20		0		0		0		
C10+040		0		0		0			
	20		0		0		0 *		
C10+060		0		0		53			
	20		0		0		890 *	C	40
C10+080		0		0		43		FAC	1.00
	20		0		0		710	F	5450
C10+100		0		0		28		FAC	1.15
	20		0		0		550	EXF	6228
C10+120		0		0		27			
	20		20		0		770		
C10+140		2		0		50			
	20		20		0		930		
C10+160		0		0		43			
	20		0		0		840		
C10+180		0		0		41			
	20		0		0		760		
C10+200		0		0		35			
	20		0		0		700		
C10+220		0		0		35			
	20		0		0		690	F	2240
C10+240		0		0		34		FAC	1.15
	10.2		0		0		850	EXF	2576
C10+250.186		0		0		51			
COLUMN FOOTING			350		0		13390		

* VOLUME IS REDUCED TO ACCOUNT FOR GRANULAR BORROW AND STRUCTURAL ITEMS

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
D10+000		0		0		17			
	20		0		0				
D10+020		0		0		25	420		
	20		0		0			C	650
D10+040		0		0		37	620	FAC	1.00
	20		0		0			F	4150
D10+060		0		0		42	790	FAC	1.15
	20		0		0			EXF	4123
D10+080		0		0		41	830		
	20		0		0				
D10+100		0		0		43	840		
	20		10		0				
D10+120		1		0		11	540		
	20		80		0				
D10+140		7		0		0	110		
	20		160		0				
D10+160		9		0		0	0		
	20		190		0				
D10+180		10		0		0	0		
	20		210		0				
D10+200		11		0		0	0		
	20		240		0			C	445
D10+220		13		0		0	0	FAC	1.00
	16.4		205		0			EXC	445
D10+236.439		12		0		0	0		
Z10+000		73		0		0			
	20		1490		0		0		
Z10+020		76		0		0			
	20		1450		0		0		
Z10+040		69		0		0			
	20		1350		0		0		
Z10+060		66		0		0			
	20		1380		0		0		
Z10+080		72		0		0			
	20		1760		0		0	C	15060
Z10+100		104		0		0		FAC	1.00
	20		1750		0		0	EXC	15060
Z10+120		71		0		0			
	20		1380		0		0		
Z10+140		67		0		0			
	20		1420		0		0		
Z10+160		75		0		0			
	20		1570		0		0		
Z10+180		82		0		0			
	20		1510		0		0		
Z10+200		69		0		0			
	20		1580		0		0		
Z10+220		89		0		0		C	2140
	8		560		0		0	FAC	1.00
Z10+228		51		0		0		EXC	2140
COLUMN FOOTING			18295		0		4150		

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
61+120		3		0		0		C	630
	20		260		0			FAC	1.00
61+140		23		0		0		EXC	630
	20		300		0		0		
61+160		7		0		0			
	20		70		0		0		
61+180		0		0		0			
	20		0		0		0		
61+200		0		0		0			
	20		0		0		0		
61+220		0		0		0		C	0
	20		0		0		0	FAC	1.00
61+240		0		0		0		F	0
	20		0		0		0	FAC	1.15
61+260		0		0		0		EXC	0
	20		0		0		0		
61+280		0		0		0			
ROADSIDE DRAINAGE FEATURES									
SI0+006									
TO								C	810
ABI0+093.7			799		0		0	FAC	1.00
								EXC	810
ABI0+087.6									
TO									
CD10+200			7		0		0		
CD10+200									
TO									
SI0+113.0			4		0		0		
EROSION CONTROL SEDIMENT TRAPS									
SI0+165									
			897		0		0		
16+840									
			633		0		633		
16+975								C	3492
			1124		0		1124	FAC	1.00
ABI0+192								F	1757
			334		0		0	FAC	1.15
CD10+070								EXC	1471
			98		0		0		
CD10+100									
			271		0		0		
CD10+160									
			81		0		0		
CD10+200									
			54		0		0		
BR700/COMMON EXCAVATION									
			5910		0		0	C	5910
								FAC	1.00
								EXC	5910
UNDERDRAIN EXCAVATION								C	265
								FAC	1.00
			265		0		0	EXC	265
TRENCH EXCAVATION								C	1090
								FAC	1.00
			1090		0		0	EXC	1090
COLUMN FOOTING			12197		0		1757		

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
STRUCTURE/COFFERDAM EXCAVATION									
BR700			3220		0		0	C	3530
								FAC	0.30
BR900			210		0		0	EXC	1059
BR1000			100		0		0		
CHANNEL EXCAVATION									
BR700			1250		0		0		
BR900			86		0		0	C	1381
								FAC	0.30
BR1000			40		0		0	EXC	414
CD10+247			5		0		0		
MUCK EXCAVATION									
16+624									
			151		0		0		
16+670									
			96		0		0		
16+700								C	4100
			1866		0		0	FAC	1.00
16+785								EXC	4100
C10+235									
			1987		0		0		
CD10+120									
CONSTRUCTION SEQUENCING									
DETOUR 1			635		0		693	C	1970
								FAC	1.00
DETOUR 2			250		0		250	F	2639
								FAC	1.15
DETOUR 3			281		0		281	EXF	1065
DETOUR 4			804		0		1415		
SANITARY SEWER TRENCH EXCAVATION									
SSI+000.0									
TO			208		0		0		
SSI+062.1									
								C	597
SSI+062.1								FAC	1.00
TO			91		0		0	EXC	597
SSI+097.6									
CD10+010.2									
TO			298		0		0		
CD10+095.8									
COLUMN FOOTING			11578		0		2639		

PROJECT: BENNINGTON - HOOSICK

PROJECT NO.: D.P.I. 0146(1) C/4

DESIGN FILE NAME: EARTHWK.DGN
IPARM FILE NAME:
SURVEYED BY: V.S.E.
SQUAD LEADER: T.P.K.
DWG. NO. EW-2

PLOT DATE: 9/00
SURVEY DATE: 12/93
DRAWN BY: E.C.D.
SHEET 22 OF 385

FILE NAME =u:\5116\vaot\contract4\earthwk.dgn
DATE/TIME =08 SEP 2000
USER =1459