

# EARTHWORKS



		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				SUMMARY AND BALANCES									
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION TO STATION	TOT EXC. EARTH & ROCK	ROCK EXCAV	EMBANK	EXCESSES		ACUMULATIVE EXCESSES			
km + m	m	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	km + m	m	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	km + m	m	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	km + m	km + m	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	CUT	FILL	CUT	FILL			
<b>Borrow Area</b>										<b>Haul Road Ditch #2</b>										<b>BORROW AREA</b>																			
1+440		0.0				0				1+230	10	0.5	10			0				1+240	20	0.5	10			0		0	0	0	0	0	0	54571		54571			
1+460	20	198.1	1981			0	0			1+240	20	0.5	10			0	0	CUT	48	1+260	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0	0	
1+480	20	585.0	7832			0	0			1+260	20	0.5	10			0	0	ROCK	0	1+280	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0	0	0
1+500	20	528.9	11139			0	0			1+280	20	0.5	10			0	0	R.FAC	.495	1+300	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0	0	0
1+520	20	510.9	10397			0	0			1+300	15	0.5	8			0	0	FILL	0	1+315						0	0	0	0	0	0	0	0	0	0	0	0	0	0
1+540	20	496.7	10076			0	0											EX. C	54571																				
1+560	20	365.5	8622			0	0																																
1+580	20	69.5	4350			0	0																																
1+585	5	0.0	174			0	0																																
<b>Haul Road</b>										<b>BORROW AREA DITCH</b>						<b>HAUL ROAD DITCH #1</b>																							
1+000	20	0.0				0	10			1+475	1+520	170	0	0	170					1+020	1+156	67	0	0	67														
1+020	20	0.0				1	30													1+200	1+357	80	0	0	1480														
1+040	20	0.0				2	50																																
1+060	20	0.0				3	80																																
1+080	20	0.0				5	100																																
1+100	20	0.0				5	90																																
1+120	20	0.0				4	70																																
1+140	20	0.0				3	90																																
1+160	20	0.0				6	120																																
1+180	20	0.0				6	120																																
1+200	20	0.0				6	160																																
1+220	20	0.0				10	170																																
1+240	20	0.0	20			7	310																																
1+260	20	2.0	20			24	450																																
1+280	20	0.0	20			21	300																																
1+300	20	0.0				9	90																																
1+320	20	2.0	20			0	90																																
1+340	20	0.0	20			0																																	
1+357	17	0.0				0																																	
<b>Borrow Area Ditch</b>										<b>HAUL ROAD DITCH #2</b>						<b>HAUL ROAD DITCH #2</b>																							
1+475	5	3.8	20			0	0			1+230	10	0.5	10			0	0	CUT	170	1+240	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0		
1+480	20	3.8	80			0	0			1+240	20	0.5	10			0	0	ROCK	0	1+260	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0	0	
1+500	20	3.8	80			0	0			1+260	20	0.5	10			0	0	R.FAC	.495	1+280	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0	0	0
1+520	20	4.0	80			0	0			1+280	20	0.5	10			0	0	FILL	0	1+300	20	0.5	10			0	0	0	0	0	0	0	0	0	0	0	0	0	0
										1+300	15	0.5	8			0	0	F.FAC	1.15	1+315																			
																		EX. C	170																				
<b>Haul Road Ditch #1</b>										<b>BORROW AREA DITCH</b>						<b>HAUL ROAD DITCH #1</b>																							
1+020	20	0.5	10			0	0			1+475	1+520	170	0	0	170					1+020	1+156	67	0	0	67														
1+040	20	0.5	10			0	0													1+200	1+357	80	0	0	1480														
1+060	20	0.5	10			0	0																																
1+080	20	0.5	10			0	0																																
1+000	20	0.5	10			0	0																																
1+120	20	0.5	10			0	0																																
1+140	20	0.5	10			0	0																																
1+156	14	0.5	7			0	0																																

REMARKS	
EARTH AND ROCK EXCAVATION	55237
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	55237
PLANIMETERED FILL	2240
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	2240
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	2576
MATERIALS AVAILABLE FOR FILLS	0
EARTH EXCAVATION	55237
CHANNEL EXCAVATION	0
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	0
TOTAL MATERIAL AVAILABLE FOR FILL	55237
TOTAL FILL INCLUDING FACTOR	2576
TOTAL MATERIAL FOR FILL	55237
BORROW	0
EXCESS EXCAVATION	52661

PROJECT NAME: **BENNINGTON - HOOSICK**  
PROJECT NUMBER: **DPI 0146 (1) C4**  
FILE NAME: C4borrow\_earth.xls PLOT DATE: 8/21/2000  
PROJECT LEADER: GAE DRAWN BY: DAH  
DESIGNED BY: BJM CHECKED BY: GAS  
EARTHWORK SHEET #1 SHEET 257 OF 385