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		
MAINLINE									
AH 15+000		1.637				2.332			
	20		58.640				29.630		
+020		4.227				.631			
	20		131.680				6.310		
+040		8.941				0		C=	776
	20		201.910				.180	F=	46
+060		11.250				.018		F FAC=	1.15
	20		198.210				3.360	EX C=	723
+080		8.571				.318			
	20		185.790				6.210		
+100		10.008				.303			
	20		194.550				5.760		
+120		9.447				.273			
	20		198.450				3.590		
+140		10.398				.086		C=	999
	20		204.110				1.060	F=	16
+160		10.013				.020		F FAC=	1.15
	20		196.450				1.040	EX C=	981
+180		9.632				.084			
	20		205.750				4.820		
+200		10.943				.398			
	20		206.120				5.620		
+220		9.669				.164			
	20		187.550				1.720		
+240		9.086				.008		C=	902
	20		169.570				3.560	F=	114
+260		7.871				.348		F FAC=	1.15
	20		170.190				45.640	EX C=	771
+280		9.148				4.216			
	20		168.900				57.420		
+300		7.742				1.526			
	20		134.320				32.820		
+320		5.690				1.756			
	20		131.970				28.900		
+340		7.507				1.134		C=	825
	20		157.130				18.180	F=	87
+360		8.206				.684		F FAC=	1.15
	20		187.620				6.840	EX C=	725
+380		10.556				0			
	20		214.220				0		
+400		10.866				0			
	20		213.720				0		
+420		10.506				0		C=	894
	20		179.750				.040	F=	0
+440		7.469				.004		F FAC=	1.15
	20		500.920				.040	EX C=	894
+460		42.623	BUTT			0			
SIDELINE (TH 16)									
26+010		14.085							
	10		112.040						
+020		8.323						C=	331
	20		132.220					F=	0
+040		4.899						F FAC=	1.15
	20		86.380					EX C=	331
+060		3.739	BUTT						

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		

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		

SUMMARY AND BALANCES

STATION TO STATION km + m	km + m	TOTAL EXC. EARTH+ROCK m³	ROCK EXCAVATION m³	EMBANKMENT m³	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
MAINLINE								
AH 15+000	AH 15+100	776		53	723		723	
AH 15+100	AH 15+200	999		18	981		1704	
AH 15+200	AH 15+300	902		131	771		2475	
AH 15+300	AH 15+400	825		100	725		3200	
AH 15+400	AH 15+460	894		0	894		4094	
SIDELINE								
26+010	26+060	331		0	331		4425	
DRIVES		548		23	525		4950	
TOTALS		5275		325			4950	

REMARKS

EARTH AND ROCK EXCAVATION	4950
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	4950
PLANIMETERED FILL	325
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	325
FACTOR	
PLANIMETERED FILL INCLUDING FACTOR	(325 X 1.15) = 374
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	4950
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	(0.65 X 1066) = 640
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	5590
TOTAL FILL INCLUDING FACTOR	375
TOTAL MATERIAL FOR FILL	5965
BORROW	
EXCESS EXCAVATION	5789

PROJECT NAME: FRANKLIN
PROJECT NUMBER: STP 0301(18)

FILE NAME: ...85c060/design/dc060pms.dgn
PROJECT LEADER: DELLASANTA
DESIGNED BY: SQUAD B
IPARM FILE NAME: (2)dc060ewl.i
PLOT DATE: 27-MAR-2003
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 11 OF 60