NORTHBOUND

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
		BUTT				BUTT			
3282+15		84				0			
	185		973				72		
3284+00		200				21			
	200		1263				78		
3286+00		141				0			
	200		1041				4		
3288+00		140				1			
	200		867				26		
3290+00		94				6		CUT	7213
	200		670				56	FILL	331
3292+00		87				9		F FAC.	1.15
	200		756				44	EX. C	6832
3294+00		117				3			
	200		919				11		
3296+00		131				0			
	30		117				0		
3296+30		80				0			
BRIDGE CONSTRUCTION		BUTT					BUTT		
3298+20		85				0			
	180		607				40		
3300+00		97				12			
	200		748				52		
3302+00		105				2			
	200		770				33		
3304+00		103				7			
	200		744				33		
3306+00		98				2			
	200		774				15		
3308+00		111				2		CUT	7413
	200		763				33	FILL	532
3310+00		95				7		F FAC.	1.15
	200		733				44	EX. C	6801
3312+00		103				5			
	200		744				52		
3314+00		98				9			
	200		700				63		
3316+00		91				8			
	200		707				74		
3318+00		100				12			
	200		730				133		
3320+00		97				24			
	200		670				263		
3322+00		84				47			
	200		622				219		
3324+00		84				12			
	200		644				326		
3326+00		90				76			
	200		652				370		
3328+00		86				24			
	200		681				437	CUT	6924
3330+00		98				94		FILL	3633
	200		689				670	F FAC.	1.15
3332+00		88				87		EX. C	2746
	200		689				326		
3334+00		98				1			
	200		707				281		
3336+00		93				75			
	200		696				500		
3338+00		95				60			
	200		874				241		
3340+00		141				5			
	200		1081				81		
3342+00		151				17			
	200		993				63		
3344+00		117				0			
	200		1107				0		
3346+00		182				0			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
3346+00		182				0			
	200		1113				167		
3348+00		124				45			
	200		793				474		
3350+00		90				83			
	200		659				667	CUT	8824
3370+00		88				97		FILL	3706
	200		681				652	F FAC.	1.15
3354+00		96				79		EX. C	4769
	200		730				611		
3356+00		101				86			
	200		800				474		
3358+00		115				42			
	200		867				337		
3360+00		119				49			
	200		1022				296		
3362+00		157				31			
	200		1022				222		
3364+00		119				29			
	200		1011				359		
3366+00		154				68			
	200		1263				363		
3368+00		187				30		CUT	10010
	200		1181				263	FILL	3584
3370+00		132				41		F FAC.	1.15
	200		837				470	EX. C	5888
3372+00		94				86			
	200		837				604		
3374+00		132				77			
	200		978				570		
3376+00		132				77			
BEGIN PERMEABLE BASE		BUTT					BUTT		
3376+00		137				62			
	200		896				300		
3378+00		105				19			
	200		963				137		
3380+00		155				18			
	200		1007				104		
3382+00		117				10			
	200		856				233		
3384+00		114				53			
	200		856				307		
3386+00		117				30			
	200		1004				170		
3388+00		154				16			
	200		878				74		
3390+00		83				4		CUT	8586
	200		848				300	FILL	5772
3392+00		146				77		F FAC.	1.15
	200		1011				481	EX. C	1948
3394+00		127				53			
	200		804				870		
3396+00		90				182			
	200		670				1648		
3398+00		91				263			
	200		652				1585		
3400+00		85				165			
	200		715				619		
3402+00		108				2			
END PERMEABLE BASE		BUTT					BUTT		
3402+00		92				39			
	200		681				270		
3404+00		92				34			
	200		685				900		
3406+00		93				209			
	200		692				1193		
3408+00		94				113			
	50		180				231		
3408+50		100				137			
	150		514				875		
3410+00		85				178			
	200		707				1722		
3412+00		106				287			
	26		106				264		
3412+26		115				262			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
3412+26		115				262			
	174		654				844		
3414+00		88				0			
	200		681				15	CUT	7204
3416+00		96				4		FILL	7074
	200		719				78	F FAC.	1.15
3418+00		98				17		EX. F	931
	200		870				63		
3420+00		137				0			
	142		734				0		
3421+42		142				0			
	31		149				0		
3421+73		117				0			
	27		115				0		
3422+00		112				0			
	80		330				6		
3422+80		111				4			
BRIDGE CONSTRUCTION		BUTT					BUTT		
3424+70		86				6			
	130		436				29		
3426+00		95				6			
	200		707				26		
3428+00		96				1		CUT	6935
	200		733				59	FILL	304
3430+00		102				15		F FAC.	1.15
	50		183				24	EX. C	6585
3430+50		96				11			
	150		525				106		
3432+00		93				27			
	50		178				2		
3432+50		99				1			
	150		556				8		
3434+00		101				2			
	200		741				7		
3436+00		99				0			
	200		763				11		
3438+00		107				3			
	200		785				26		
3440+00		105				4			
	200		756				52		
3442+00		99				10		CUT	1059
	30		112				9	FILL	74
3442+30		103				7		F FAC.	1.15
	100		191				13	EX. C	974
3443+30		0				0			

SUMMARY AND BALANCES

STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
SOUTHBOUND								
3282+50	3300+00	5945		357	5534		5534	
3300+00	3320+00	7515		644	6774		12,308	
3320+00	3340+00	7351		260	7052		19,360	
3340+00	3360+00	7997		10,947		4592	14,768	
3360+00	3380+00	9230		5907	2437		17,205	
3380+00	3400+00	9574		1175	8223		25,428	
3400+00	3420+00	7415		606	6718		32,146	
3420+00	3440+00	7936		380	7499		39,645	
3440+00	3444+54	1694		13	1679		41,324	
RAMP C								
11+75	15+00	1229		2	1227		42,551	
15+00	20+00	1922		0	1922		44,473	
20+00	25+00	1831		0	1831		46,304	
25+00	30+00	1555		1085	307		46,611	
30+00	33+25	162		904		878	45,733	
RAMP C DETOUR		1069		10,888		11,452	34,281	
SOUTHBOUND CROSSOVERS		410		5998		6488	27,793	
SB CROSSOVER REMOVAL*		3215		0	3215		31,008	
SUB TOTAL		76,050		39,166				
NORTHBOUND								
3282+15	3300+00	7213		331	6832		37,840	
3300+00	3320+00	7413		532	6801		44,641	
3320+00	3340+00	6924		3633	2746		47,387	
3340+00	3360+00	8824		3706	4562		51,949	
3360+00	3380+00	10,010		3584	5888		57,837	
3380+00	3400+00	8586		5772	1948		59,785	
3400+00	3420+00	7204		7074		931	58,854	
3420+00	3440+00	6935		304	6585		65,439	
3440+00	3443+30	1059		74	974		66,413	
NORTHBOUND CROSSOVERS		382		7680		8450	57,963	
NB CROSSOVER REMOVAL*		4050			4050		62,013	
U-TURNS				41		47	61,966	
RAMP A TEMP. DETOUR		1599		62	1528		63,494	
TOTAL		146,249		71,959				

*ESTIMATED

REMARKS

EARTH AND ROCK EXCAVATION		146,249
SOLID ROCK EXCAVATION		0
EARTH EXCAVATION		146,249
PLANIMETERED FILL		71,959
LESS FACTORED SOLID ROCK		0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES		0
NET PLANIMETERED FILL		71,959
FACTOR (0.15)		10,794
PLANIMETERED FILL INCLUDING FACTOR		82,753
MATERIALS AVAILABLE FOR FILLS		0
EARTH EXCAVATION		146,249
CHANNEL EXCAVATION	(40% OF 3200)	1280
UNDERDRAIN EXCAVATION	(60% OF 16,200)	9720
STRUCTURE EXCAVATION	(60% OF 2500)	1500
TOTAL MATERIAL AVAILABLE FOR FILL		158,749
TOTAL FILL INCLUDING FACTOR		82,753
TOTAL MATERIAL FOR FILL		158,749
BORROW		0
EXCESS EXCAVATION		75,996

PROJECT NAME: FAIRFAX-FAIRFIELD-ST. ALBANS
PROJECT NUMBER: IM 089-3(27)

FILE NAME: /87A007B/DESIGN/DA007EWN. PLOT DATE: 22-SEP-2000
PROJECT LEADER: DELLA SANTA DRAWN BY: N/A
DESIGNED BY: SQUAD B CHECKED BY: N/A
SHEET 16 OF 370