EARTHWORKS

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.		
U.S. RTE. 5									
103+50		0							
	50		67			C = 571			
104+00		72				F = 0			
			178			F. FAC. 0.15			
+50		120				EX. C = 571			
			326						
105+00		232							
			381						
+50		180							
			333						
106+00		180							
			354						
+50		202							
			411			C = 6,346			
107+00		242				F = 0			
			433			F. FAC. 0.15			
+50		226				EX. C. = 6,346			
			444						
108+00		254							
			544						
+50		334							
			707						
109+00		430							
			1,076						
+50		732							
			1,663						
110+00		1,064							
			1,876						
+50		962				0			
			1,185				19	C = 12,369	
111+00		318				20		F = 5,813	
			450				174	F. FAC. 0.15	
+50		168				168 / 148		EX. C. = 5,684	
			685				530		
112+00		572 / 618				424			
			1,628				1,098		
+50		1,140				762			
			2,537				1,750		
113+00		1,600				1,128			
	50		3,519				2.010		
+50		2,201				1,043			
	6		489				232		
+56		2,201	STOP ROADWAY BEGIN BRIDGE			1,043			
116+45		1,098	END BRIDGE RESUME ROADWAY			1,182			
	5		203				219		
+50		1,098				1,182			
	50		2,441				2,169		
117+00		1,538				1,160			
			2,591				2,057		
+50		1,260				1,062		C = 11,278	
			2,217				1,841	F = 9,457	
118+00		1,134				926		F. FAC. 0.15	
			1,954				1,433	EX. C. = 402	
+50		976 / 932				622 / 696			
			1,094				1,035		
119+00		250				422			
			417				531		
+50		200				152			
			361				172		
120+00		190				34			
			337				33		
+50		174				2			
			333				2		
121+00		186				0			
			383						
+50		228						C = 2,409	
			506					F = 35	
122+00		318						F. FAC. 0.15	
	50		691					EX. C. = 2,369	
+50		428							
	10		159						
+60		428							

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.		
U.S. RTE. 5/VT. RTE. II									
14+90		24							
	10		9			C = 310			
15+00		24				F = 0			
	50		50			F. FAC. 0.15			
+50		30				EX. C = 310			
			91						
16+00		68							
			81						
+50		20							
			31						
17+00		14							
			22						
+50		10							
			17						
18+00		8							
	50		9						
+50		2							
	5		0						
+55		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.		

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
103+50	105+00	571			571		571	
105+00	110+00	6,346			6,346		6,917	
110+00	115+00	12,369		5,813	5,684		12,601	
115+00	120+00	11,278		9,457	402		13,003	
120+00	122+60	2,409		35	2,369		15,372	
U.S. RTE. 5 TOTAL		32,973		15,305	15,372		15,372	
U.S. RTE. 5/VT. RTE. II		310			310		15,682	
DRAINAGE		525			525		16,207	
DRIVES		641		190	423		16,628	
		34,449		15,495	16,630		16,630	

REMARKS

EARTH AND ROCK EXCAVATION (INCL. WETLAND SOILS)	34,449
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	34,449
PLANIMETERED FILL	15,495
LESS GRANULAR BORROW (EXCLUSIVE OF MUCK REPLACMENT)	6,432
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	9,063
FACTOR 0.15	1,359
PLANIMETERED FILL INCLUDING FACTOR	10,422
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	*8,665
CHANNEL EXCAVATION 905 X 0.60 =	543
UNDERDRAIN EXCAVATION	*0
STRUCTURE EXCAVATION 830 X 0.75 =	623
LESS WETLAND SOILS	*0
TOTAL MATERIAL AVAILABLE FOR FILL	9,831
TOTAL FILL INCLUDING FACTOR	10,422
TOTAL MATERIAL FOR FILL	9,831
BORROW	591
EXCESS EXCAVATION	* 25,784
TOTAL EXCESS EXCAVATION	25,784

* - DUE TO CONSTRUCTION SEQUENCING

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SPRINGFIELD — Bridge No. 44
Highway No. U.S. ROUTE 5 — Log Sta. — Surv. Sta.

U.S. ROUTE 5 OVER BLACK RIVER

EARTHWORK SHEET

Designed By JRM — Drawn By RR/CJM
Checked By RAL Date 3/95 — Bridge Design Supervisor P. PIERCE Date

PROJECT SPRINGFIELD — PROJECT NO. BRS-RS 0113 (8)

I.G.C. Info. /usr5/19145822/earth.dgn

Bridge Sheet No. — Sheet 9 of 90

23-MAY-1996

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