EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

VT RT 2A

STATION	DIST	COMMON EXCAVATION AREA	COMMON EXCAVATION CU. YDS.	SUBBASE AREA	SUBBASE CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
100+00		36.63		41.43		8.73			
	50		64.50		75.92		17.12		
100+50		33.03		40.56		9.76			
	50		71.86		72.40		9.21		
101+00		44.58		37.63		0.19			
	50		85.27		69.01		0.43		
101+50		47.51		36.90		0.27			
	50		78.91		67.47		4.48		
102+00		37.71		35.97		4.91			
	50		69.56		68.65		5.64		
102+50		37.42		38.17		1.52			
	50		66.56		71.81		8.52		
103+00		34.47		39.38		7.68			
	50		76.31		72.81		8.27		
103+50		47.94		39.26		1.25			
	50		84.85		71.40		2.46		
104+00		43.73		37.85		1.41			
	50		40.49		35.05		1.31		
104+50		0.00		0.00		0.00			
	50		12.97		14.95		0.06		
105+00		14.01		16.15		0.07			
	50		30.59		33.17		1.71		
105+50		19.03		19.67		1.78			
	50		46.76		36.04		2.68		
106+00		31.47		19.25		1.11			
	50		75.24		35.81		1.03		
106+50		49.79		19.42		0.00			
	50		92.97		36.26		0.00		
107+00		50.62		19.74		0.00			
	50		82.22		44.65		5.90		
107+50		38.18		28.48		6.37			
	50		58.31		54.80		17.46		
108+00		24.80		30.70		12.49			
	50		46.06		49.91		11.56		
108+50		24.94		23.20		0.00			
	50		38.24		36.94		0.36		
109+00		16.36		16.70		0.39			
	50		64.51		65.14		1.58		
109+50		53.31		53.65		1.32			
	50		95.76		97.17		1.66		
110+00		50.11		51.29		0.47			
	50		96.82		95.83		1.58		
110+50		54.46		52.21		0.99			
	50		100.75		95.89		3.78		
111+00		54.35		51.35		2.84			
	50		108.38		104.28		4.24		
111+50		62.70		61.27		1.74			
	50		116.40		121.45		5.35		
112+00		63.01		69.90		4.04			
	50		117.44		112.66		3.74		
112+50		63.83		51.77		0.00			
	50		130.51		105.34		6.30		
113+00		77.12		62.00		6.80			
	50		107.89		113.48		16.54		
113+50		39.40		60.56		11.06			
	50		97.06		120.46		18.79		
114+00		65.43		69.54		9.23			
	50		120.70		128.51		15.46		
114+50		64.93		69.25		7.47			
	50		113.90		117.78		14.08		
115+00		58.05		57.95		7.74			
	50		85.99		81.83		7.25		
115+50		34.79		30.43		0.09			
	50		32.21		28.18		0.08		
116+00		0.00		0.00		0.00			
TOTALS			2536.99		2335.05		198.63		

US RT 2

STATION	DIST	COMMON EXCAVATION AREA	COMMON EXCAVATION CU. YDS.	SUBBASE AREA	SUBBASE CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
10+00		12.92		11.62		5.77			
	50		31.69		25.57		5.34		
10+50		21.31		16.00		0.00			
	50		52.58		34.98		0.00		
11+00		35.48		21.78		0.00			
	50		58.55		43.82		1.56		
11+50		27.76		25.55		1.68			
	50		80.18		70.59		3.06		
12+00		58.83		50.69		1.62			
	50		115.17		96.27		1.77		
12+50		65.55		53.28		0.29			
	50		123.81		97.99		0.27		
13+00		68.16		52.55		0.00			
	50		128.17		99.62		0.00		
13+50		70.26		55.04		0.00			
	50		129.20		100.09		0.00		
14+00		69.28		53.06		0.00			
	50		123.55		98.56		0.24		
14+50		64.15		53.39		0.26			
	50		116.44		99.21		0.24		
15+00		61.60		53.76		0.00			
	50		118.19		102.77		7.67		
15+50		66.05		57.23		8.28			
	50		95.77		85.27		11.50		
16+00		37.38		34.86		4.14			
	50		45.55		42.44		4.58		
16+50		11.81		10.97		0.81			
	50		30.24		28.73		0.81		
17+00		20.85		20.06		0.06			
	50		45.64		39.10		0.06		
17+50		28.44		22.17		0.00			
	50		45.02		38.99		0.31		
18+00		20.18		19.94		0.34			
	50		37.16		36.90		0.71		
18+50		19.95		19.91		0.43			
	50		38.39		37.19		0.49		
19+00		21.51		20.25		0.10			
	50		19.92		18.74		0.09		
19+50		0.00		0.00		0.00			
	50		0.00		0.00		0.00		
20+00		0.00		0.00		0.00			
TOTALS			1435.22		1196.84		38.70		

STATION	DIST	COMMON EXCAVATION AREA	COMMON EXCAVATION CU. YDS.	SUBBASE AREA	SUBBASE 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

SUMMARY BY COLUMNS

COL. NO. SHEET 4	COMMON EXCAVATION CU. YDS.	SUBBASE CU. YDS.	EMBANKMENT CU. YDS.
1	2536.99	2335.05	198.63
2	1435.22	1196.84	38.70
TOTALS	3972.21	3531.89	237.33

REMARKS

EARTH AND ROCK EXCAVATION	3972.21 C.Y.
SOLID ROCK EXCAVATION	0 C.Y.
EARTH EXCAVATION	3972.21 C.Y.
PLANIMETERED FILL	237.33 C.Y.
LESS FACTORED SOLID ROCK	0 C.Y.
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0 C.Y.
NET PLANIMETERED FILL	237.33 C.Y.
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	272.93 C.Y.
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	3972.21–265.3 (PVMNT EXCAVATED) = 3706.91 C.Y.
CHANNEL EXCAVATION	0 C.Y.
UNDERDRAIN EXCAVATION	0 C.Y.
STRUCTURE EXCAVATION	0 C.Y.
TOTAL MATERIAL AVAILABLE FOR FILL	3706.91 C.Y.
TOTAL FILL INCLUDING FACTOR	272.93 C.Y.
TOTAL MATERIAL FOR FILL	3433.98 C.Y.
BORROW	0 C.Y.
EXCESS EXCAVATION	3433.98 C.Y.

CONTRACT PLANS

VERMONT AGENCY OF TRANSPORTATION

WILLISTON NHG 5500 (10)S
"TAFT CORNERS"
(US ROUTE 2 & VT ROUTE 2A)

WILLISTON VERMONT

EARTHWORKS

design	RJD/JLC
drawn	DWE
checked	RJD
scale	NTS
sht. no.	4

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