QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

NON GOV'T PARTIC.	TRAINING	WETLAND MITIGATION	EROSION CONTROL	#79 BRIDGE	#80 BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
						1	1	LS	CLEARING AND GRUBBING (INCLUDING	201.10	
									INDIVIDUAL TREES AND STUMPS)		
		2,100			1,460	29,650	33,210	CY	COMMON EXCAVATION	203.15	47
						750	750	CY	SOLID ROCK EXCAVATION	203.16	EST.
						7,900	7,900	CY	MUCK EXCAVATION	203.20	10
				425			425	CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27	17
						42,625	42,625	CY	EARTH BORROW	203.30	63
						5,250	5,250	CY	SAND BORROW	203.31	54
				4,313	5,635	9,102	19,050	CY	GRANULAR BORROW	203.32	17
						13,450	13,450	SY	FINE GRADING – SUBGRADE	203.40	57
			10			870	880	CY	TRENCH EXCAVATION OF EARTH	204.20	5
						50	50	CY	TRENCH EXCAVATION OF ROCK	204.21	47.3
				330	230		560	CY	STRUCTURE EXCAVATION	204.25	
				145	6		151	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	
				1			1	LS	COFFERDAM (STA 19+70)	204.40	
						100	100	SY	DRILLING & BLASTING OF SOLID ROCK SUBGRADE	205.20	EST.
						100	100	CY	SUBBASE OF CRUSHED GRAVEL – FINE GRADED	301.26	
						8,200	8,200	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	40
						30	30	CY	AGGREGATE SURFACE COURSE	401.10	5
						30	30	CWT	EMULSIFIED ASPHALT	404.65	EST.
				158	94	3,498	3,750	TON	BITUMINOUS CONCRETE PAVEMENT	406.25	14
						1	1	LS	ASPHALT PRICE ADJUST. (NOT A BID ITEM)	406.50	
				316	154		470	CY	CONCRETE, CLASS A	501.22	
				644	403		1,047	CY	CONCRETE, CLASS B	501.25	
				38	18		56	CY	SILICA – FUME CONCRETE	501.60	
				1			1	LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10	
				890			890	LF	STEEL PILING (HP 14 X 73)	505.17	
				1,200	12,650		13,850	SF	TEMPORARY STEEL SHEET PILING	505.36	
				460,000	173,100		633,100	LB	STRUCTURAL STEEL (PLATE GIRDER)	506.55	
				54,800	20,660		75,460	LB	REINFORCING STEEL	507.15	
				114,000	61,360		175,360	LB	EPOXY COATED REINFORCING STEEL	507.17	
				1			1	LS	SHEAR CONNECTORS (2520–7/8"x7") (BR #79)	508.15	
					1		1	LS	SHEAR CONNECTORS (1530–7/8"x7") (BR #80)	508.15	
				1			1	LS	STRUCTURAL PAINTING – SHOP APPLIED	513.25	
									20 TONS (BR #79)		
					1		1	LS	STRUCTURAL PAINTING – SHOP APPLIED	513.25	
									10 TONS (BR #80)		
				1			1	LS	SURFACE PREPARATION (BR #79)	513.40	
					1		1	LS	SURFACE PREPARATION (BR #80)	513.40	
				49	35		84	GAL	WATER REPELLENT	514.10	
				82	94		176	LF	BRIDGE EXPANSION JOINT	516.10	
				1,452	680		2,132	SY	SHEET MEMBRANE WATERPROOFING	519.20	
				569	210		779	LF	BRIDGE RAIL–2 RAIL GALV. BOX BEAM	525.31	
					13,150		13,150	SF	REINFORCED SLOPE (MECHANICALLY STABILIZED	526.40	
									EARTH WALL ASHLAR STONE PANEL FACING)		
				1			1	LS	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	527.10	
									(BRIDGE #79)		
					1		1	LS	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	527.10	
									(BRIDGE #80)		
		*ITEM	OUT OF	1			1	LS	DISPOSAL OF CONTAM. STEEL (BR 79)	595.25	*
		ORDER			1		1	EA	REMOVAL OF STRUCTURE (BR #80)	529.15	
				1			1	EA	REMOVAL OF STRUCTURE (BR #79)	529.15	
				18	12		30	EA	BEARING DEVICE ASSEMBLY	531.10	
					1		1	LS	DISPOSAL OF CONTAM. STEEL (BR 80)	595.25	
									* * BEGIN OPTION PIPES * *		
						280	280	LF	12 INCH CAAP .060	601.0205	4
						280	280	LF	12 INCH PCCSP .064	601.0405	4
						280	280	LF	12 INCH CPEP (SL)	601.2605	4

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COMMON EXCAVATION
28,787	CY	MAINLINE
2,100	CY	WETLAND REPLACEMENT
761	CY	SIDE ROADS
55	CY	DRIVES
1,460	CY	BRIDGE #80 (MSE WALLS)
47	CY	ROUNDING
33,210	CY	TOTAL
		SUBBASE OF DENSE GRADED CRUSHED STONE
6,695	CY	MAINLINE
1,425	CY	SIDE ROADS
40	CY	DRIVES
40	CY	ROUNDING
8,200	CY	TOTAL
		SUBBASE OF CRUSHED GRAVEL (FINE GRADED)
100	CY	SIDE ROADS
–	CY	DRIVES
–	CY	ROUNDING
100	CY	TOTAL
		AGGREGATE SURFACE COURSE
–	CY	SIDE ROADS
25	CY	DRIVES
5	CY	ROUNDING
30	CY	TOTAL
		GRANULAR BORROW
7,900	CY	MUCK BACKFILL
1,185	CY	FACTOR (0.15)
3,750	CY	BRIDGE APPROACHES (#79)
563	CY	FACTOR (0.15)
4,900	CY	BRIDGE APPROACHES (#80)
735	CY	FACTOR (0.15)
17	CY	ROUNDING
19,050	CY	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		BITUMINOUS CONCRETE PAVEMENT
252	TON	BRIDGES (#79–158T) & (#80–94T)
3,349	TON	MAINLINE
129	TON	SIDE ROADS
6	TON	DRIVE APRONS
14	TON	ROUNDING
3,750	TON	TOTAL
		FINE GRADING – SUBGRADE
11,668	SY	MAINLINE
1,425	SY	SIDE ROADS
300	SY	DRIVES
57	SY	ROUNDING
13,450	SY	TOTAL
		TRENCH EXCAVATION OF EARTH
581	CY	DRAINAGE
284	CY	UNDERDRAIN
10	CY	EROSION CONTROL
5	CY	ROUNDING
880	CY	TOTAL
		TOPSOIL
1,041	CY	MAINLINE
62	CY	SIDE ROAD (WALDO LANE)
22	CY	ROUNDING
1,125	CY	TOTAL
		TEMPORARY EROSION CONTROL (INCLUDED WITH EROSION CONTROL)
10	CY	TRENCH EXCAVATION OF EARTH
4.9	CY	STONE FILL TYPE I
1,500	SY	GEOTEXTILE FOR SILT FENCE
275	LB	SEED
7	LB	SEED – WINTER RYE
2,250	LB	FERTILIZER
9	TON	AGRICULTURAL LIMESTONE
9	TON	HAY MULCH
710	EA	HAY BALES FOR EROSION CONTROL
1,000	SY	EROSION MATTING

STATIONS		PAVEMENT WIDTHS			EQUATIONS		FEET	MILES	REMARKS
FROM	TO	40'	38.67'		+	–			
15+00	18+47.74	347.74					347.74	0.066	ROADWAY
18+47.74	21+09.75		262.01				262.01	0.050	BRIDGE
21+09.75	24+81.50	371.75					371.75	0.070	ROADWAY
24+81.50	25+91.49		109.99				109.99	0.021	BRIDGE
25+91.49	33+50	758.51					758.51	0.143	ROADWAY
TOTALS		1,478.00	372.00				1850.00	0.350	

PROJECT NAME WALLINGFORD
PROJECT NUMBER BRS – 0137 (13)

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