STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

VAOT Metric

SUMMARY OF ESTIMATED QUANTITIES

FULL E & C	EROSION CONTROL			BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND
					1	1	LS	CLEARING AND GRUBBING	201.10	
					1	1	EA	DEMOLITION AND DISPOSAL OF BUILDING (NO. 1 STA 3+145 LT.) (MOD.)	202.10	
					570	570	m^3	COMMON EXCAVATION	203.15	4
					300	300	m^3	SOLID ROCK EXCAVATION	203.16	2
				600		600	m^3	UNCLASSIFIED CHANNEL EXCAVATION	203.27	
				40	29	69	m^3	GRANULAR BORROW	203.32	
					800	800	m^2	FINE GRADING - SUBGRADE	203.40	13
	1				99	100	m^3	TRENCH EXCAVATION OF EARTH	204.20	2
				1040		1040	m^3	STRUCTURE EXCAVATION	204.25	
				445		445	m^3	GRANULAR BACKFILL FOR STRUCTURES	204.30	9
					290	290	m^2	COLD PLANING - BITUMINOUS PAVEMENT	210.10	3
					520	520	m^3	SUBBASE OF CRUSHED GRAVEL (COARSE GRADED) (MOD.)	301.25	4
				80	121	201	kg	EMULSIFIED ASPHALT	404.65	
				96	450	546	†	BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	406.25	4
					5	5	m^3	CONCRETE, CLASS B	501.25	0.17
				148		148	m^3	CONCRETE, HIGH PERFORMANCE CLASS A	501.33	
				494		494	m^3	CONCRETE, HIGH PERFORMANCE CLASS B	501.34	
				163,000		163,000	kg	STRUCTURAL STEEL (PLATE GIRDER) (CURVED)	506.55	
				22,020	250	22,270	kg	REINFORCING STEEL	507.15	
				25,874		25,874	kg	EPOXY COATED REINFORCING STEEL	507.17	
				1		1	LS	SHEAR CONNECTORS (1128 - 22 MM x 175 MM)	508.15	
				1		1	LS	STRUCTURAL PAINTING, SHOP APPLIED (18 METRIC TONS)	513.25	
	1					1	LS	CONTAINMENT & ENVIRONMENTAL PROTECTION, FIELD (MOD.-FLOATING BOOM)	513.36	
				1		1	LS	SURFACE PREPARATION, SHOP (18 METRIC TONS)	513.40	
				195		195	l	WATER REPELLENT	514.10	
				12		12	m	BRIDGE EXPANSION JOINT (VERMONT JOINT)	516.10	
				566		566	m^2	SHEET MEMBRANE WATERPROOFING (MOD.- TORCH APPLIED)	519.20	
				124		124	m	BRIDGE RAILING - 3 RAIL ALUMINUM (MOD.-ANODIZED BLACK)	525.22	
				1		1	LS	ONE WAY TEMPORARY BRIDGE (150 SM - EST.)	528.10	
				295		295	m^2	REMOVAL OF BRIDGE PAVEMENT	529.10	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		• COMMON EXCAVATION
376	m^3	U.S. ROUTE 5
75	m^3	DRAINAGE
115	m^3	DRIVEWAYS
4	m^3	ROUNDING
570	m^3	TOTAL
		• SUBBASE OF CRUSHED GRAVEL (COARSE GRADED) MODIFIED
474	m^3	U.S. ROUTE 5
35	m^3	DRIVEWAYS
11	m^3	ROUNDING
520	m^3	TOTAL
		• BITUMINOUS CONCRETE PAVEMENT (PG 58-28)
297	†	U.S. ROUTE 5
52	†	DRIVEWAYS
96	†	BRIDGE
98	†	DETOUR
3	†	ROUNDING
450	†	TOTAL
		• FINE GRADING - SUBGRADE
788	m^2	U.S. ROUTE 5
12	m^2	ROUNDING
800	m^2	TOTAL
		• TEMPORARY EROSION CONTROL
1	m^3	TRENCH EXCAVATION OF EARTH
75	m^3	STONE FILL TYPE I
460	m^2	GEOTEXTILE FABRIC FOR SILT FENCE
3	kg	SEED (WINTER RYE)
0.55	†	HAY MULCH
385	m^2	EROSION MATTING

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of HARTLAND	Bridge No. 60
Highway No. U.S. ROUTE 5	Log Sta. / Surv. Sta.

U.S. ROUTE 5 OVER LULLS BROOK

SUMMARY OF QUANTITIES

Designed By S.E. COSILMON	Drawn By R. REMY / G.F. O'NEIL
Checked By J. McDUFFEE Date 2/04	Bridge Design Supervisor J. MIECZKOWSKI Date 2/04
PROJECT HARTLAND	PROJECT NO. BRS No. 0113(22)
I.G.C. Info. M:\145620I VAOT Hartland\zf204frm.dgn	
Bridge Sheet No.	Sheet 3 of 86

13-AUG-2004