STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

VAOT Metric

STATION km + m	DIST m	TOTAL EXCAVATION EARTH & ROCK AREA m²	TOTAL EXCAVATION EARTH & ROCK VOLUME m³	* ROCK EXCAVATION AREA m²	* ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
U.S. ROUTE 5									
3+030		0				0		C=263	
	10		26				0	F=30	
3+040		5.3				0		F.FAC.=0.15	
	20		108				10	EX. C.=229	
3+060		5.4				1			
	20		129				20		
3+080		7.4				1			
(3+050 TO 3+080)					177				
		+080 BEGIN BRIDGE							
		+123 END BRIDGE							
3+123		16				0			
	17		264				0	C=411	
3+140		15				0		F=0	
	10		111				0	F. FAC.=0.15	
3+150		7.2				0		EX. C.=411	
	10		36						
3+160		0							
(3+123 TO 3+150)					121				

*EXISTING PCC PAVEMENT

STATION km + m	DIST m	TOTAL EXCAVATION EARTH & ROCK AREA m²	TOTAL EXCAVATION EARTH & ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³

STATION km + m	DIST m	TOTAL EXCAVATION EARTH & ROCK AREA m²	TOTAL EXCAVATION EARTH & ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³

SUMMARY AND BALANCES

STATION TO STATION km + m	km + m	TOTAL EXC. EARTH & ROCK m³	ROCK EXCAVATION m³	EMBANK-MENT m³	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
3+030	3+080	263	177	30	233		233	
3+123	3+160	411	121	0	411		411	
U.S. ROUTE 5 TOTAL		674	298	30	644		644	
DRAINAGE		75	--	0	75		719	
DRIVES		115	--	0	115		834	
		864	298	30	834		834	

REMARKS

EARTH AND ROCK EXCAVATION	864
SOLID ROCK EXCAVATION	298
EARTH EXCAVATION	566
PLANIMETERED FILL (EXCLUSIVE OF GRANULAR BORROW)	30
LESS FACTORED SOLID ROCK	—
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	—
NET PLANIMETERED FILL	30
FACTOR 0.15	5
PLANIMETERED FILL INCLUDING FACTOR	35
MATERIALS AVAILABLE FOR FILLS	—
EARTH EXCAVATION	566
CHANNEL EXCAVATION	0
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	1040 x 0.75 = 780
UNCLASSIFIED EXCAVATION	600 x 0.75 = 450
TOTAL MATERIAL AVAILABLE FOR FILL	1796
TOTAL FILL INCLUDING FACTOR	35
TOTAL MATERIAL FOR FILL	1831
BORROW	
EXCESS EXCAVATION	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

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

U.S. ROUTE 5 OVER LULLS BROOK

EARTHWORK SHEET

Designed By S.E. COSILMON	Drawn By R. REMY / G.F. O'NEIL
Checked By J. R. McDUFFEE Date 02/04	Bridge Design Supervisor J. MIECZKOWSKI Date 02/04
PROJECT HARTLAND	PROJECT NO. BRS No. 0113(22)
I.G.C. Info. M:\145620I VAOT Hartland\zf204frm.dgn	
Bridge Sheet No.	Sheet 8 of 86

13-AUG-2004