EARTHWORK

V.C.	% GRD	STATION	GRADES ELEVATION ON TAN.	GRADES ELEVATION ON V.C.	CORR. V.C.	DIST.	Common Excavation AREA	Common Excavation CU. YDS.	Subbase of Gravel AREA	Subbase of Gravel CU. YDS.	Embankment AREA	Embankment CU. YDS.	AREA	CU. YDS.
		Rev. 54+43					0		0					
						7		1		1				
		Rev. 54+50					6		6					
						35		14		14				
		Rev. 54+85					15		16		0			
						15		8		9		1		
		Rev. 55+00	530.76				14		15		2			
						8		4		5		1		
		Rev. 55+08	530.89				15		19		4			
						5		3		3		3		
		Rev. 55+13	530.98				14		18		23			
						18		11		16		7		
		Rev. 55+31	531.28				20		30		0			
		Rev. 55+35	531.34			7.7		4		7				
	+ 1.650 %	Rev. 55+38.7	531.40	531.39	-0.01		9		18			0		
						2.3		0		1				
		Rev. 55+41(BR)	531.44	531.42	-0.02		0		0		0			
	PVI	Rev. 55+75	532.00	531.35	-0.65		—		—		—			
		Rev. 55+85(Ah)	531.52	531.16	-0.36		0		0		8			
						3		1		1		1		
		Rev. 55+88	531.38	531.09	-0.29		10		15		2			
						6		2		3				
		Rev. 55+94	531.09	530.92	-0.17		10		16					
						4		3		4		1		
80' V.C.		Rev. 55+98	530.90	530.78	-0.12		24		34					
						2		2		2				
	- 4.800 %	Rev. 56+00	530.80	530.71	-0.09		19		29		3			
						3		2		3				
		Rev. 56+03	530.66	530.60	-0.06		21		30			0		
						3.5		3		4				
		Rev. 56+06.5	530.49	530.46	-0.03		21		30		1			
						6		5		7		1		
		Rev. 56+12.5	530.20	530.20	0.00		22		33		5			
		Rev. 56+15	530.08			11.5		11		14		1		
		Rev. 56+24	529.65				28		35		0			
						4		4		5				
		Rev. 56+28					29		36					
						6		4		5				
		Rev. 56+34					7		8					
						8		2		2				
		Rev. 56+42					7		8					
				Sub-Total				84		106		16		
				Rounding				6		4		4		
				Total				90		110		20		

Earthwork Summary

Planimetered Fill	20
Fill Factor 0.15	3
Planimetered Fill Including Factor	23
Materials Available for Fill:	
Common Excavation	90
Unclassified Channel Excavation (20 × 0.60) =	12
Structure Excavation (60 × 0.60) =	36
Total Material Available for Fill	138
Total Fill Including Factor	23
Total Material Available for Fill	138
Excess Material	115

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

QUANTITY BREAKDOWN

NO.	ITEM	UNIT	Superstructure	Abutment Nº 1	Abutment Nº 2	Roadway	Channel	TOTAL	FINAL
202.30	Partial Removal of Structure	Ea.	1					1	
202.35	Removal of Existing Concrete or Masonry	C.Y.		10	19			29	
203.15	Common Excavation	C.Y.				90		90	
203.27	Unclassified Channel Excavation	C.Y.					20	20	
203.30	Earth Borrow *	C.Y.				50		50	
204.25	Structure Excavation	C.Y.		30	30			60	
204.30	Granular Backfill for Structures	C.Y.		30	30			60	
301.15	Subbase of Gravel	C.Y.				110		110	
409.66	EMULSIFIED ASPHALT	GAL	7					7	
406.25	Bituminous Concrete Pavement	Tons	25			104		129	
501.20	Concrete, Class A	C.Y.	72					72	
501.25	Concrete, Class B	C.Y.		21	25			46	
502.10	Shoring Superstructure	L.S.	1					1	
506.93	Structural Steel (A36 Painted)	Lbs.	9,980					9,980	
506.99	Bearing Device Assembly	Ea.	14					14	
507.15	Reinforcing Steel	Lbs.	17,100	1,980	2,370			21,450	
508.15	Shear Connectors (756 - 7/8" × 7")	L.S.	1					1	
513.35	Painting, Blast Cleaning (25 Tons)	L.S.	1					1	
514.10	Water Repellent	Gal.	5	7	7	4		23	
519.20	Sheet Membrane Waterproofing	S.Y.	178					178	
601.1552	18" ACCGMP (.064) (2 2/3" × 1/2" Corrugations)	L.F.				7		7	
613.11	Stone Fill, Type II	C.Y.					40	40	
614.10	Joint Sealer, Hot Poured	Gal.	2					2	
614.25	Joint Sealer, Polyurethane	Gal.	1					1	
616.26	Cast-in-Place Cement Concrete Curb, Type B	L.F.				121		121	
617.25	Bridge Railing - Aluminum Spindle	L.F.	108					108	
617.45	Approach Railing - 2 Rail Aluminum	L.F.				105		105	
618.10	Portland Cement Concrete Sidewalk, 5"	S.Y.				42		42	
608.25	All Purpose Excavator Rental, Type I	Hr.				10		10	
608.37	Truck Rental	Hr.				10		10	
635.10	Mobilization	L.S.				1		1	
637.10	Maintenance of Traffic for Bridge Projects	L.S.				1		1	
653.10	Topsoil	C.Y.				10		10	
678.15	Traffic Control Signals	Ea.				1		1	

* Note: A Total of 50 C.Y. of Earth Borrow has been included, to be used as Deemed Necessary by the Engineer.

BRIDGE (S) AT STATION (S) Rev. 55 + 62.85
LOCATION (S) Vt. Rte. 118 over the Trout River

Prepared by: K. R. Sikora
Checked by: E. Blodgett 9/84
SUPERVISOR: F. W. Bolkum

Montgomery
BR ___ OF ___

PROJECT NO. BHS 0283(6) S
SHEET NO. 6 OF 46

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