EARTHWORK

V.C.	% GRD	STATION	ELEVATION ON TAN.	ELEVATION ON V.C.	CORR. V.C.	DIST.	COMMON EXCAVATION AREA	COMMON EXCAVATION CU. YDS.	SUBBASE OF GRAVEL AREA	SUBBASE OF GRAVEL CU. YDS.	GRAVEL SURFACE COURSE AREA	GRAVEL SURFACE COURSE CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.
		T.H. 9												
	+ 3.05007%	10+00	945.06	EXISTING			0		0		0			
						40								
		PVC 10+40	946.28					7		5		3		
						10								
		10+50		946.60			7		5		3			
						30								
80' V.C.		PVT 10+80	947.50	947.67	+0.17			12		32		15		
						20								
		11+00		948.48			6		29		13		0	
						20								
		PVT 11+20	949.38											
						20								
		PVC 11+40	950.32					7		64		29		54
						10								
		11+50		950.78			1		40		18		58	
						25		1		42		19		74
		11+75		951.79			0		51		22		102	
						25		0		52		24		88
	+4.70597%	12+00		952.60			0		62		30		88	
						14.23		0		33		16		46
K=33		12+14.23	NORTH BRIDGE	952.99			0		62		30		88	
		PVT 12+50	955.50	953.67	-1.83									
						175.54 BRIDGE								
		12+92.77	SOUTH BRIDGE	953.99			0		39		25		47	
						9.23		0		11		7		13
		13+00		953.99			0		39		25		47	
						25		1		40		22		51
		13+25		953.86			3		48		22		63	
						25		3		40		17		45
220' V.C.		13+50		953.55			3		34		15		34	
						10								
		PVT 13+60	953.37					2		38		17		
						20.19								35
		13+80.19	952.98				0		31		15		29	
				EQUATION		0								
		13+99.57	952.98					0		0		0		1
						0.43								
	-1.9378	PVC 14+00	952.97				2		31		14		35	
						50		12		44		26		33
100' V.C.		PVT 14+50	952.00	952.30	+0.30		11		16		14		0	
						50		10		21		20		
		PVT 15+00	952.24				0		7		7			
						50				7		7		
	+0.48007%	15+50	EXISTING						0		0			
						50								
		16+00	EXISTING											
								55 C.Y.		429 C.Y.		222 C.Y.		440 C.Y.
						ROUNDING		5						
								60 C.Y.						

T.H. 9 COMMON EXCAVATION 55 × 0.8 — 63 C.Y.
TRENCH EXCAV. OF EARTH 40 × .5 — 20
STRUCTURE EXCAV. 430 × .5 — 215
UNCLASS. CHAN. EXCAV. 710 × .5 — 355

EXCAVATION FOR FILL — 653 C.Y.

T.H. 9 EMBANKMENTS 440 × 1.15 — 506 C.Y.
TH 29 EMBANKMENTS 8 × 1.15 — 9 C.Y.

515 C.Y.

LESS EXCAVATIONS FOR FILL — 653 C.Y.

EARTH BORROW — 0 — EST. 100 C.Y.

SUBBASE OF GRAVEL
TH 9 — 429 C.Y.
TH 14 — 41
TH 29 — 33

503 C.Y.
ROUNDING — 7
510 C.Y.

GRAVEL SURFACE COURSE
TH 9 — 222 C.Y.
TH 14 — 38
TH 29 — 20

280 C.Y.

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

QUANTITY BREAKDOWN

NO.	ITEM	UNIT	SUPER-STRUCTURE	ABUT. Nº 1	ABUT. Nº 2	CHANNEL	ROADWAY	TOTAL	FINAL
203.15	COMMON EXCAVATION	C.Y.					60	60	
203.27	UNCLASS. CHAN. EXCAV.	C.Y.				710		710	
203.30	EARTH BORROW	C.Y.					100 EST.	100	
204.20	TRENCH EXCAV. OF EARTH	C.Y.					40	40	
204.25	STRUCTURE EXCAVATION	C.Y.		205	225			430	
204.30	GRAN. BACKFILL FOR STRUCTURES	C.Y.		155	150		5	310	
301.15	SUBBASE OF GRAVEL	C.Y.					510	510	
401.10	AGGREGATE SURFACE COURSE	C.Y.					280	280	
501.22	CONCRETE CLASS A	C.Y.	74					74	
501.25	CONCRETE CLASS B	C.Y.		109	97		5	211	
506.50	STRUCT. STEEL (ROLLED BEAM)	LB.	48000					48000	
507.15	REINF. STEEL	LB.		9525	8690		85	18300	
507.17	EPOXY COATED REINF. STEEL	LB.	15200					15200	
508.15	SHEAR CONNECTORS (728 - 7/8" × 7")	L.S.	1					1	
514.10	WATER REPELLENT	GAL.	21	6	6			33	
525.41	BRIDGE RAILING - H.D. STEEL BEAM/FASCIA MOUNTED	L.F.	165					165	
528.10	ONE-WAY TEMPORARY BRIDGE	L.S.					1	1	
529.15	REMOVAL OF STRUCTURE	EA.					1	1	
531.10	BEARING DEVICE ASSEMBLY	EA.		4	4			8	
601.0015	18" CSP 0.064 (2 2/3 × 1/2)	LF.					90	90	
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I NABI	HR					1	1	
608.37	TRUCK RENTAL NABI	HR					1	1	
613.11	STONE FILL, TYPE II	C.Y.				430		430	
621.21	H.D. STEEL BEAM GUARD RAIL	L.F.				398		398	
621.60	ANCHOR FOR STEEL BEAM RAIL	EA.					4	4	
635.10	MOBILIZATION	L.S.						1	
631.15	FIELD TESTING	L.S.						1	

BRIDGE (S) AT STATION (S) 12 + 53.5 BR 67
LOCATION (S) TH 9 OVER WILLIAMS RIVER

Prepared by: R.B. GAUDREAU — Checked by: A. CHURCH
SUPERVISOR: R.L. Gotley 11-86

CHESTER — PROJECT NO. BRZ 1442 (10)
BR ___ OF ___ — SHEET NO. 2 OF 28

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