EARTHWORK

V.C.	% GRD	STATION	GRADES ELEVATION ON TAN.	GRADES ELEVATION ON V.C.	CORR. V.C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.

BRIDGE QUANTITY SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
BRIDGE DIVISION

QUANTITY BREAKDOWN

NO.	ITEM	UNIT	WB Superstructure	Abut 1	Pier 1	Pier 2	Abut 2	WB Approach slabs	EB Superstructure	Abut 3	Pier 3	Pier 4	Abut 4	EB Approach slabs	Roadway	Channel	TOTAL	FINAL
203.27	Unclassified Channel Excavation	CY														550	550	
203.32 *	Granular Borrow (Unfactored)	CY													4890		4890	
204.30	Granular Backfill for Structure	CY		65	330	300	90			65	270	370	90			200	1780	
404.66 **	Emulsified Asphalt	Gal.	32						32								64	
406.25 **	Bituminous Concrete Pavement	Ton	204						204								408	
501.20	Concrete, Class A	CY	455						455								910	
501.25	Concrete, Class B	CY		131	178	178	131	108.5		131	178	178	131	108.5			1453	
504.10	Furnishing Equipment for Driving Piling	LS		Req'd	Req'd	Req'd	Req'd			Req'd	Req'd	Req'd	Req'd				1/2	
505.18	Steel Piling HP 14 x 89	LF		1540	1800	2520	2240			1400	1620	2820	2240				15820	
505.40	PILE LOADING TESTS	EA				1						1					2	
506.91	Structural Steel (Plate Girder)	Lb	627,380						627,380								1,254,760	
506.99	Bearing Device Assembly @ Sta. 943+20 & Sta. 946+80	Ea.		6			6			6			6				24	
506.99	Bearing Device Assembly @ Sta. 944+20 & Sta. 945+80	Ea.			6	6					6	6					24	
507.15	Reinforcing Steel	Lb	115,010	10,280	37,220	37,220	10,310	10,400	115,010	10,280	37,220	37,220	10,310	10,400			440,880	
508.15	Shear Connectors @ Sta. 945+00 (12240 - 3/8" x 7")	LS	0.5						0.5								1	
514.10	Water Repellent	Gal	30	4	8	8	4		30	4	8	8	4				108	
516.33	Elastomeric Expansion Dam (3" Movement) @ Sta. 945+00	LF	82						82								164	
519.20 **	Sheet Membrane Waterproofing	SY	1463						1463								2926	
530.10	Cofferdam @ Sta. 944+20 EB	LS									1						1	
530.10	Cofferdam @ Sta. 945+80 EB	LS										1					1	
530.10	Cofferdam @ Sta. 944+20 WB	LS			1												1	
530.10	Cofferdam @ Sta. 945+80 WB	LS				1											1	
613.11	Stone Fill Type II	CY														1220	1220	
616.17	Granite Bridge Curb	LF	768						768								1536	
617.30	Bridge Railing, Galvanized Box Beam	LF	788						788								1576	
621.90 **	Guard Rail Approach Section Type I	Ea.	2						2								4	
621.91 **	Guard Rail Approach Section Type II	Ea	2						2								4	

* Indicates Stage I Roadway Item
** Indicates Stage II Roadway Quantity

BRIDGE (S) AT STATION (S) EB & WB 945+0
LOCATION (S) US 4 over Otter Creek

Prepared by: R. Elwood Checked by: D.C. W.
SUPERVISOR: R.S. Haupt

West Rutland-Rutland PROJECT NO. F 020-1(10)
BR 601 OF SHEET NO. 119 OF 459

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