

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES											(PART 1 of 2)
UTILITY BID ITEMS NON-PARTICIPATING WATER	E & C	EROSION CONTROL	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING		
				4	4	EA	REMOVING SMALL TREES	201.15			
				650	650	CY	COMMON EXCAVATION	203.15	15		
				10	10	CY	SOLID ROCK EXCAVATION	203.16	EST		
			20	175	175	CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27			
				246	246	CY	SAND BORROW	203.31	24		
124		5		375	375	CY	TRENCH EXCAVATION OF EARTH	204.20	23		
				5	5	CY	TRENCH EXCAVATION OF ROCK	204.21			
				65	65	CY	STRUCTURE EXCAVATION	204.25	3		
			580	580	580	CY	GRANULAR BACKFILL FOR STRUCTURE	204.30			
			1	1	1	LS	COFFERDAM (STA. 43+48)	204.40			
				1	1	LS	COFFERDAM (STA. 44+28)	204.40			
			35	410	460	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35			
			38	217	255	TON	BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.25	2		
			100	100	100	CY	CONCRETE, CLASS A	501.22	3		
5			391	14	410	CY	CONCRETE, CLASS B	501.25	8		
			28	28	28	CY	SILICA - FUME CONCRETE	501.60			
			1	1	1	LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10			
			1465	1465	1465	LF	STEEL PILING (HP 14x89)	505.18			
			102480	102480	102480	LB	STRUCTURAL STEEL (PLATE GIRDER)	506.55			
			31500	1272	32772	LB	REINFORCING STEEL	507.15			
			43011		43011	LB	EPOXY COATED REINFORCING STEEL	507.17			
			1	1	1	LS	SHEAR CONNECTORS (1.032 x 7" LONG) (7/8")	508.15			
			1	1	1	LS	STRUCTURAL PAINTING, SHOP APPLIED (50 TON)	513.25			
			1	1	1	LS	SURFACE PREPARATION (50 TON)	513.40			
			22	22	22	GAL	WATER REPELLENT	514.10			
			30	30	30	LF	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG-TYPE)	516.10			
			404	404	404	SY	SHEET MEMBRANE WATERPROOFING	519.20			
			2	2	2	GAL	JOINT SEALER, POLYURETHANE	524.20			
			88.5	88.5	88.5	LF	BRIDGE RAILING - 3 RAIL ALUMINUM	525.22			
			89.5	89.5	89.5	LF	BRIDGE RAILING - ALUM. PEDESTRIAN (WITH SPINDLES)	525.23			
			1	1	1	EA	REMOVAL OF STRUCTURE	529.15			
			12	32	32	LF	REMOVAL OF 12"-24" PIPE	529.50			
				12	12	EA	BEARING ASSEMBLY DEVICE	531.10			
							* BEGIN OPTION PIPES *				
				98	98	LF	18" RCP CLASS III	601.0815			
				32	32	LF	24" RCP CLASS III	601.0825			
				98	98	LF	18" CPEP	601.0915			
				32	32	LF	24" CPEP	601.0920			
				98	98	LF	18" CPEP (SL)	601.2615			
				32	32	LF	24" CPEP (SL)	601.2620			
							* END OPTION PIPES *				
				60	60	LF	CLEAN CULVERTS IN PLACE	601.995			
				6	6	EA	PRECAST REINF. CONC. D.I. WITH CAST IRON GRATE	604.25			
				1	1	EA	CHANGE ELEVATIONS OF DI, CB, OR MH	604.40			
3				3	3	EA	CHANGE ELEVATIONS OF SEWER MANHOLES	604.23			
				100	100	LF	6" UNDERDRAIN	605.10	EST		
				15	15	HR	ROADWAY PATROL MAINTENANCE	607.10	EST		
				1	1	HR	BULLDOZER RENTAL, TYPE I (N.A.B.I.)	608.10	EST		
				1	1	HR	ALL PURPOSE EXCAVATOR RENTAL TYPE I (N.A.B.I.)	608.25	EST		
				1	1	HR	TRUCK RENTAL (N.A.B.I.)	608.37	EST		
				1	1	HR	LOADER RENTAL, TYPE I (N.A.B.I.)	608.40	EST		
				1	1	TON	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15	EST		
				40	40	CY	STONE FILL, TYPE I	613.10	EST		
			238	238	238	CY	STONE FILL, TYPE II	613.11			
				220	220	LF	VERTICAL GRANITE CURB	616.21	9		
				80	80	LF	REMOVAL OF EXISTING CURB	616.41	3		
				96	96	SY	PORTLAND CEMENT CONCRETE SIDEWALK 5"	618.10	3		
				1	1	EA	WOOD MARKER POSTS	619.15			
				25	25	LF	STEEL BEAM GUARD RAIL	621.20			
				73	73	LF	ALUMINUM APPROACH RAILING	621.74			
				60	60	LF	TEMPORARY TRAFFIC BARRIER	621.90			
				132	132	MFBM	INSULATION BOARD	622.10			
				2	2	LF	SLEEVES FOR UTILITIES (12" I.D.)	625.10			
				2	2	LF	SLEEVES FOR UTILITIES (24" I.D.)	625.10			
				3	3	EA	ADJUST ELEVATION OF VALVE BOX	629.20			
				210	210	LF	DUCTILE IRON PIPE CEMENT LINED (6" I.D.)	629.24			
180				180	180	LF	DUCTILE IRON PIPE CEMENT LINED (16" I.D.)	629.24			
				1	1	LS	TRANSFER TO NEW SYSTEM - WATER (6" I.D.)	629.42			
				1	1	LS	TRANSFER TO NEW SYSTEM - WATER (16" I.D.)	629.42			
				121	121	LF	PIPE INSULATION (6" I.D.)	629.44			
				121	121	LF	PIPE INSULATION (16" I.D.)	629.44			
				1	1	LS	WATER MAIN ON BRIDGE (6" I.D.)	629.60			
				1	1	LS	WATER MAIN ON BRIDGE (16" I.D.)	629.60			
				30	30	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST		
				100	100	HR	FLAGGERS	630.15	EST		
				1	1	LS	FIELD OFFICE - ENGINEERS	631.10			
				1	1	LS	TESTING EQUIPMENT - CONCRETE	631.16			
				1	1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17			
				1	1	LS	TESTING EQUIPMENT - PROTECTIVE COATING	631.18			
				1	1	LU	FIELD OFFICE - TELEPHONE (N.A.B.I.)	631.25			
				1	1	LS	MOBILIZATION	635.10			
				470	470	LF	DURABLE 4" WHITE LINE	646.40	10		

APPROXIMATE SUMMARY OF QUANTITIES (CON'T)											(PART 2 of 2)
UTILITY BID ITEMS NON-PARTICIPATING WATER	E & C	EROSION CONTROL	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING		
				470	470	LF	DURABLE 4" YELLOW LINE	646.41	10		
				154	154	SY	GEOTEXTILE UNDER STONE FILL	649.31			
				35	45	SY	GEOTEXTILE FOR SILT FENCE	649.51	EST		
				1	1	LB	SEED	651.15			
				1	1	LB	SEED - WINTER RYE	651.17			
				8	8	LB	FERTILIZER	651.18			
		0.25			0.25	TON	AGRICULTURAL LIMESTONE	651.20			
		0.25			0.25	TON	HAY MULCH	651.25			
		8		17	25	EA	HAY BALES FOR EROSION CONTROL	651.26			
		10			10	CY	TOPSOIL	651.35			
			23		23	SY	GRUBBING MATERIAL	651.40			
					10	SY	EROSION MATTING	654.10			
				48	48	SF	TRAFFIC SIGNS (TYPE A)	675.20	3		
			112		112	LF	FLANGED CHANNEL SIGN POST (24" x 24")	675.301			
			112		112	LF	SQUARE TUBE SIGN POSTS # ANCHORS (24" x 24")	675.341			
			1		1	EA	REMOVING SIGNS	675.50			

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
COMMON EXCAVATION		
582	CY	BLACKWELL STREET
43	CY	DRIVES
15	CY	ROUND
650	CY	TOTAL
TRENCH EXCAVATION OF EARTH		
119	CY	DRAINAGE
5	CY	TEMPORARY EROSION CONTROL
118	CY	WATER LINE (6" I.D.) PARTICIPATING
124	CY	WATER LINE (16" I.D.) NON-PARTICIPATING
6	CY	ROUND
375	CY	TOTAL
SUBBASE OF DENSE GRADED CRUSHED STONE		
356	CY	BLACKWELL STREET
47	CY	DRIVES
15	CY	TEMPORARY EROSION CONTROL
35	CY	BRIDGE
7	CY	ROUND
460	CY	TOTAL

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
BITUMINOUS CONCRETE PAVEMENT		
192	TON	BLACKWELL STREET
24	TON	DRIVES
37	TON	BRIDGE
2	TON	ROUND
255	TON	TOTAL
TEMPORARY EROSION CONTROL (INCLUDED IN EROSION CONTROL)		
5	CY	TRENCH EXCAVATION OF EARTH
15	CY	SUBBASE OF DENSE GRADED CRUSHED STONE
10	SY	GEOTEXTILE FOR SILT FENCE
1	LB	SEED, WINTER RYE
8	EA	HAY BALES FOR EROSION CONTROL
10	SY	EROSION MATTING
EROSION CONTROL		
1	LB	SEED
2	LB	FERTILIZER
0.25	TON	AGRICULTURAL LIMESTONE
0.25	TON	HAY MULCH
10	CY	TOPSOIL

STATIONS		PAVEMENT WIDTHS		EQUATIONS		FEET	MILES	REMARKS
FROM	TO	30'-0"	VARIES	+	-			
43+00	43+47	47					0.009	ROADWAY
43+47	44+28	81					0.015	BRIDGE
44+28	44+80	52					0.010	ROADWAY
TOTALS		180					0.034	
PROJECT NAME		BARRE CITY		BETTIGOLE ANDREWS & CLARK INC.		BA&C NO.		DATE:
PROJECT NUMBER		BRM 6000(13)		Consulting Engineers		2038BQUA/1		12/98
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