

QUANTITIES

REINFORCING

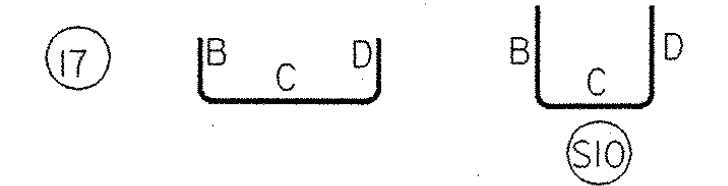
NO.	ITEM	UNIT	QUANTITY BREAKDOWN					TOTAL
			SUPER - STRUCTURE	ABUT. NO. 1	ABUT. NO. 2	ROADWAY	EROSION CONTROL	
201.10	CLEARING & GRUBBING (INCLUDING INDIVIDUAL TREES AND STUMPS)	LS				1		1
203.15	COMMON EXCAVATION	CY				650		650
203.31	SAND BORROW	CY				100		100
204.20	TRENCH EXCAVATION OF EARTH	CY					10	10
204.25	STRUCTURE EXCAVATION	CY		40	40			80
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		14	16			30
210.10	COLD PLANING - BITUMINOUS PAVEMENT	SY				100		100
301.15	SUBBASE OF GRAVEL	CY				470	30	500
406.27	MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	TON	25			200		225
501.34	CONCRETE, HIGH PERFORMANCE CLASS B	CY		4	5			9
507.15	REINFORCING STEEL	LB		490	520			1010
507.16	DRILLING AND GROUTING DOWELS	LF		48	48			96
510.20	PRESTRESSED CONCRETE MEMBER (INTERIOR UNITS)	EACH	4					4
510.20	PRESTRESSED CONCRETE MEMBER (EXTERIOR UNITS)	EACH	2					2
514.10	WATER REPELLENT	GAL	3.5	1.5	1			6
519.20	SHEET MEMBRANE WATERPROOFING (TORCH APPLIED)	SY	95					95
525.43	BRIDGE RAILING - HDSB/FASCIA MOUNTED/HAND RAIL	LF	88					88
527.10	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	LS				1		1
529.10	REMOVAL OF BRIDGE PAVEMENT	SY	87					87
529.20	PARTIAL REMOVAL OF STRUCTURE	EACH	1					1
531.10	BEARING DEVICE ASSEMBLY	EACH	24					24
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS I	SY		1.5	1.5			3
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II	SY		1.0	1.0			2
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS III	CY		0.2	0.3			0.5
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	HR				1		1
609.15	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	TON				1		1
612.10	GABION RETAINING WALL	CY		25	26			51
613.11	STONE FILL, TYPE II	CY				90	10	100
620.70	SNOW FENCE (MOD.)	LF				250		250
621.21	HEAVY DUTY STEEL BEAM GUARD RAIL (MOD.)	LF				392		392
621.60	ANCHOR FOR STEEL BEAM RAIL	EACH				4		4
621.80	REMOVAL AND DISPOSAL OF GUARD RAIL	LF				100		100
621.90	TEMPORARY TRAFFIC BARRIER	LF				60		60
630.10	UNIFORMED TRAFFIC OFFICERS	HR				40		40
630.15	FLAGGERS	HR				160		160
631.10	FIELD OFFICE - ENGINEERS	LS					1	1
631.16	TESTING EQUIPMENT - CONCRETE	LS					1	1
631.17	TESTING EQUIPMENT - BITUMINOUS	LS					1	1
631.25	FIELD OFFICE - TELEPHONE (N.A.B.I.)	LU					1	1
635.10	MOBILIZATION	LS				1		1
646.21	#4 YELLOW LINE	LF				520		520
649.31	GEOTEXTILE UNDER STONE FILL	SY				200		200
649.51	GEOTEXTILE FOR SILT FENCE	SY					280	280
651.15	SEED	LB				20		20
651.18	FERTILIZER	LB				50		50
651.20	AGRICULTURAL LIMESTONE	TON				1		1
651.25	HAY MULCH	TON				1		1
651.26	HAY BALES FOR EROSION CONTROL	EACH				30		30
651.35	TOPSOIL	CY				40		40
651.40	GRUBBING MATERIAL	SY				20		20
654.10	EROSION MATTING	SY					340	340
675.20	TRAFFIC SIGNS, TYPE A (MOD.)	SF				173		173
675.301	FLANGED CHANNEL SIGN POSTS (MOD.)	LF				385		385
675.50	REMOVING SIGNS	EACH				2		2
675.60	ERECTING SALVAGED SIGNS	EACH				2		2
675.61	SETTING SALVAGED POSTS	EACH				2		2

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT NO. 1																	
4	5	29 - 1		1A501	STR												
24	5	3 - 3		1A502	SIO		0 - 10	1 - 7	0 - 10								
48	5	3 - 2		1A503	IF		1 - 11	1 - 3	0 - 0								
12	5	3 - 9		1A504	STR												
32	5	2 - 4		1A505	STR												
6	5	3 - 3		1A506	SIO		0 - 10	1 - 7	0 - 10								
ABUTMENT NO. 2																	
4	5	29 - 1		2A501	STR												
24	5	3 - 9		2A502	SIO		1 - 1	1 - 7	1 - 1								
48	5	3 - 5		2A503	IF		2 - 2	1 - 3	0 - 0								
12	5	4 - 0		2A504	STR												
32	5	2 - 4		2A505	STR												
6	5	3 - 3		2A506	SIO		0 - 10	1 - 7	0 - 10								

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-S1), ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.

ASTM STANDARD REINFORCING BARS	BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
			DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178	
#4	.668	.500	.20	1.571	
#5	1.043	.625	.31	1.963	
#6	1.502	.750	.44	2.356	
#7	2.044	.875	.60	2.749	
#8	2.670	1.000	.79	3.142	
#9	3.400	1.128	1.00	3.544	
#10	4.303	1.270	1.27	3.990	
#11	5.313	1.410	1.56	4.430	
#14	7.65	1.693	2.25	5.32	
#18	13.60	2.257	4.00	7.09	



NOTES

- EROSION CONTROL INCLUDES PERMANENT AND TEMPORARY EROSION CONTROL ITEMS.
- TRAFFIC SIGN AND SIGN POST QUANTITIES INCLUDE SIGNS AND POSTS DETAILED FOR TEMPORARY DETOUR SIGNING PLAN.
- EMULSIFIED ASPHALT SHALL BE SUBSIDIARY TO ITEM 406.27.

STATE OF VERMONT AGENCY OF TRANSPORTATION				
Town Of	WATERBURY		Bridge No.	14
Highway No.	6		Log Sta.	
			Surv. Sta.	
LOOMIS HILL ROAD OVER THATCHER BROOK				
QUANTITY SHEET				
Designed By	L. WIXSON		Drawn By	P. DUSTIN
Checked By	Date		Bridge Design Supervisor	
R. JOY	03/03		M. ZYDEL	Date 03/03
PROJECT	WATERBURY		PROJECT NO.	TH 3-9637
I.C.C. Info. m\549108-Waterbury\BRIDGE\600ftx127Bqshdgn				
Bridge Sheet No.			Sheet 3 of 18	



15-MAY-2003 PLOTTED