

# BRIDGE QUANTITY SHEET

STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
STRUCTURES DIVISION

ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN				TOTAL	FINAL
			SUPER STRUCTURE	ABUTMENT 1	ABUTMENT 2	MISC.		
201J0	CLEARING AND GRUBBING (INCL. INDIVIDUAL TREES & STUMPS)	LS				1	1	
203J5	COMMON EXCAVATION	CY		56	25	23	104	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		89	66		155	
208.30	COFFERDAM EXCAVATION, EARTH	CY		80	80		160	
208.35	COFFERDAM EXCAVATION, ROCK	CY		20	20		40	
208.40	COFFERDAM (STA.B0+46.67)	LS		1			1	
208.40	COFFERDAM (STA.B1+04.67)	LS			1		1	
301.26	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	CY				16	16	
501.34	CONCRETE, HIGH PERFORMANCE CLASS B	CY		30	22		52	
502J0	SHORING SUPERSTRUCTURE	LS	1				1	
506.60	STRUCTURAL STEEL	Lb	1300				1300	
506.75	STRUCTURAL STEEL	LS	1				1	
507J5	REINFORCING STEEL	Lb		3613	2136		5749	
513.30	STRUCTURAL PAINTING, FIELD APPLIED (16.5T)	LS	1				1	
513.36	CONTAINMENT AND ENVIRONMENTAL PROTECTION, FIELD (16.5T)	LS	1				1	
513.41	SURFACE PREPARATION, FIELD (16.5T)	LS	1				1	
514J0	WATER REPELLANT	GAL		1	1		2	
522.25	STRUCTURAL LUMBER AND TIMBER (TREATED)	MFBM	2.5				2.5	
525J5	METAL HAND RAILING	LF	123				123	
531J0	BEARING DEVICE ASSEMBLY (EXP. @ ABUT.1)	EA	2				2	
531J0	BEARING DEVICE ASSEMBLY (FIXED @ ABUT.2)	EA	2				2	
613J2	STONE FILL, TYPE III	CY		72	36		108	
618J0	PORTLAND CEMENT SIDEWALK, 5 INCH	SY				50	50	
620.50	REMOVING AND RESETTING FENCE	LF				21	21	
621.505	MANUFACTURED TERMINAL SECTION	EA				1	1	
621.80	REMOVAL AND DISPOSAL OF GUARDRAIL	LF				27	27	
621.81	REMOVAL AND DISPOSAL OF GUIDE POSTS	EA				4	4	
631J6	TESTING EQUIPMENT - CONCRETE	LS				1	1	
631J8	TESTING EQUIPMENT - PROTECTIVE COATING	LS				1	1	
635J0	MOBILIZATION	LS				1	1	
649.31	GEOTEXTILE UNDER STONE FILL	SY		35	17		52	
649.51	GEOTEXTILE FOR SILT FENCE	SY				34	34	
651J5	SEED	LB				25	25	
651J7	SEED - WINTER RYE	Lb				25	25	
651J8	FERTILIZER	Lb				10	10	
651.20	AGRICULTURAL LIMESTONE	TON				0.10	0.10	
651.25	HAY MULCH	TON				0.25	0.25	
651.26	HAY BALS FOR EROSION CONTROL	EA				34	34	
651.30	SODDING	SY				54	54	
651.35	TOPSOIL	CY				15	15	
654J0	EROSION MATTING	SY				255	255	

MARK	NO. PIECES	SIZE	LENGTH IN.	TYPE	WEIGHT LBS.	A	B	C	D	E	F	G	H
<b>ABUTMENT 1</b>													
* IA501	73	5	104	STR	660								
IA502	16	5	45	STR	63								
IA503	26	5	137	2	310	12	125					0	
IA504	16	5	104	STR	145								
* IA505	26	5	174	STR	394								
IA506	14	5	75	SIO	91		24	27	24				
IA507	14	5	73	SIO	88		33	7	33				
IA508	22	5	48	SIO	92		24	24	0				
<b>ABUTMENT 2</b>													
2A501	72	5	104	STR	650								
* 2A502	17	5	45	STR	67								
* 2A503	31	5	110	2	296	12	98					0	
2A504	18	5	77	STR	121								
2A505	23	5	174	STR	348								
2A506	14	5	75	SIO	91		24	27	24				
2A507	18	5	73	SIO	114		33	7	33				
2A508	4	5	52	SIO	18		24	28	0				
2A509	4	5	27	STR	10								
2A510	16	5	75	SIO	105		24	27	24				
2A511	18	5	210	STR	329								
<b>ABUTMENT 1 WINGWALLS</b>													
* W601	37	6	210	STR	973								
W501	14	5	45	STR	55								
* W502	15	5	116	STR	152								
* W602	17	6	149	2	317	12	137					0	
W503	10	5	77	SIO	67		33	11	33				
* W504	41	5	74	STR	264								
W505	8	5	54	STR	36								

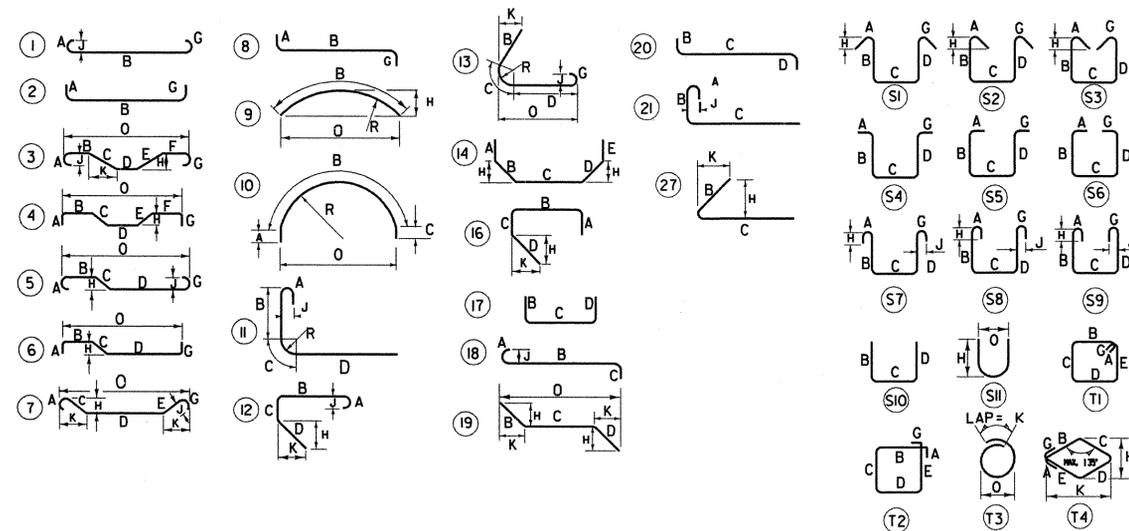
\* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES

### NOTES:

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO.18 SHALL CONFORM TO 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".
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.

### ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL 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	5.320
*18	13.60	2.257	4.00	7.090



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**CHA CLOUGH, HARBOUR & ASSOCIATES LLP**  
ENGINEERS, SURVEYORS, PLANNERS  
& LANDSCAPE ARCHITECTS  
MEMBER OF THE  
"WINNERS CIRCLE" ALBANY, NEW YORK, 12205

<b>STATE OF VERMONT</b>		
<b>AGENCY OF TRANSPORTATION</b>		
Town of WEST RUTLAND	Bridge No. XX	Log Sta.
Highway No. CLARENDON AVE.		Surv. Sta.
PEDESTRIAN BRIDGE OVER CLARENDON BROOK		
QUANTITIES AND BAR LIST		
Designed By: L. HARDEN	Drawn by: Wm. WEATHERBY	
Checked By: M. OLSTAD	Date: 4/2002	Bridge Design Supervisor: M. OLSTAD Date: 4/2002
PROJECT: WEST RUTLAND	PROJECT NO. ST WALK (II)	
I.G.C. Info.		
Bridge Sheet No. BR102		Sheet 4 OF 12