

# BRIDGE QUANTITY

NO.	ITEM	UNIT	QUANTITY			TOTAL	FINAL	
			ROADWAY	ABUTMENTS	SUPER-STRUCTURE			
202.30	PARTIAL REMOVAL OF STRUCTURE	EA.			1	1		
204.25	STRUCTURE EXCAVATION	C.Y.		20		20		
204.30	GRANULAR BACKFILL FOR STRUCTURES	C.Y.		10		10		
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	10			10		
501.25	CONCRETE CLASS - B	C.Y.		16		16		
502.10	SHORING SUPERSTRUCTURE	L.S.			1	1		
507.15	REINFORCING STEEL	L.B.		1130		1130		
602.15	CEMENT RUBBLE MASONRY	C.Y.		3		3		
621.10	GUARD RAIL - PLANK WITH WOOD POSTS	L.F.	130			130		
ALTERNATE "A"								
611.20	UNTREATED LUMBER AND TIMBER	MBF			2	2		
611.25	TREATED LUMBER AND TIMBER	MBF			20	20		
ALTERNATE "B"								
611.20	UNTREATED LUMBER AND TIMBER	MBF			19	19		

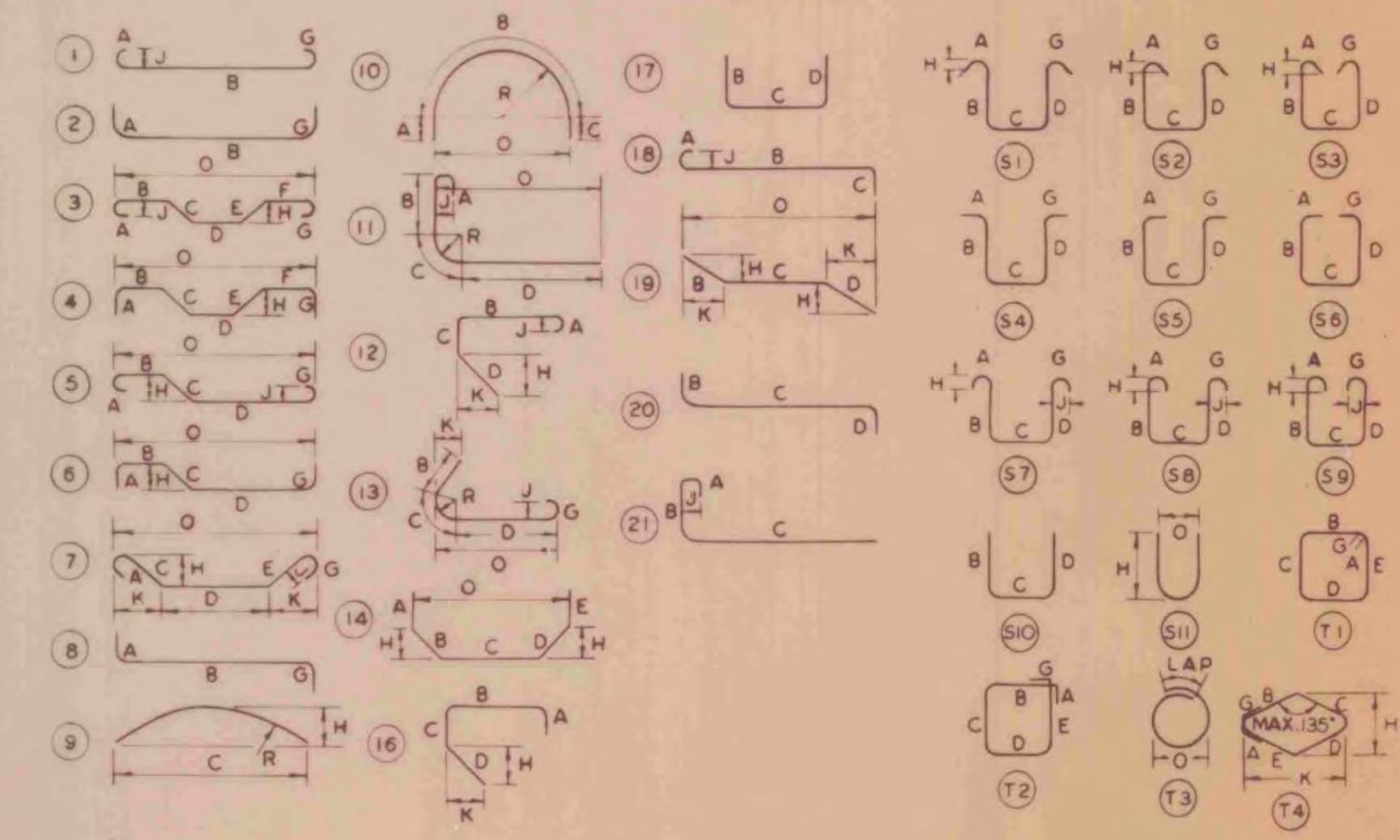
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	
<b>WEST ABUTMENT</b>																		
*84	6	5	17'-9"	WA501 STR.														(CUT TO FIT IN FIELD)
85	6	"	2'-4"	WA503 STR.														
86	6	"	4'-6"	WA505 STR.														
87																		
88																		
89	12	5	10'-7"	WA502 STR.				2'-7"	8'-0"									
90	14	"	10'-6"	WA504 STR.				4'-6"	6'-0"									(CUT "C" TO FIT IN FIELD)
91	6	"	13'-0"	WA506 STR.				4'-6"	8'-6"									
92	12	"	4'-6"	WA507 STR.				2'-1"	2'-5"									
93																		
94																		
95																		
96																		
97																		
98	<b>EAST ABUTMENT</b>																	
99																		
100	7	5	17'-9"	EA501 STR.														(CUT TO FIT IN FIELD)
101	2	"	2'-4"	EA503 STR.														
102	2	"	4'-6"	EA505 STR.														
103																		
104																		
105	12	5	8'-11"	EA502 STR.				0'-11"	8'-0"									
106	14	"	11'-6"	EA504 STR.				4'-6"	7'-0"									(CUT "C" TO FIT IN FIELD)
107	6	"	12'-6"	EA506 STR.				4'-6"	8'-0"									
108	12	"	3'-4"	EA507 STR.				0'-11"	2'-5"									
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**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), GRADE 60.
  - 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° AND 135° HOOKS.
  - "J" DIMENSION ON 180° 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° DIMENSIONS "H" AND "K" MUST BE SHOWN.
- \* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES

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

**TYPICAL BAR BENDS**



FOR REFERENCE ONLY SHEET 23 OF 23

REV. NO.	MADE BY	DATE	DESCRIPTION
1	J. WOOD	8/11/75	AASHTO CHANGED TO AASHTO AND GRADE 40 CHANGED TO GRADE 60.

**STATE OF VERMONT**  
AGENCY OF TRANSPORTATION

TOWN OF SHREWSBURY	BRIDGE NO. 34
HIGHWAY NO. TH 6	LOG STA.
	SURV. STA.

*TH 6 OVER THE COLD RIVER*

REINFORCING SCHEDULE & BRIDGE QUANTITY SHEET

DESIGNED BY N. DANFORTH	DRAWN BY R. RANALD
CHECKED BY M. GARCIA	BRIDGE DESIGN SUPERVISOR
DATE 8/79	F. W. Bolkum DATE 10/79
PROJECT SHREWSBURY	PROJECT NO. Cov. Br. 28

BRIDGE SHEET NO. SHEET 4 OF 7