ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2						ABUTMENT 1											
3																	
4																	
5																	
6	46	5	3'-11	1A501	STR												
7	88	5	7'-6	1A502	STR												
8	18	5	42'-10	1A503	STR												
9	▲18	5	26'-3	1A504A	STR												
10	20	5	18'-4	1A504B	STR												
11	12	5	11'-9	1A505	STR												
12	▲74	5	8'-10	1A507	STR												
13	7	5	13'-3	1A508	STR												
14																	
15																	
16																	
17	▲13	5	6'-6	1A506A	19		2-2	4-4	—				0-11		1-11½		
18	13	5	8'-2	1A506B	19		4-8	3-6	—				1-11½		4-3		
19	14	5	5'-4	1A509A	19		2-2	3-2	—				2-0½		0-9		
20	▲14	5	6'-2	1A509B	19		4-0	2-2	—				3-9		1-4½		
21	37	5	6-1	1A510	17		2-2	1-9	2-2								
22																	
23																	
24	△48	6	6'-3	1A601	17		—	1-0	5-3								
25																	
26																	
27																	
28																	
29						WINGWALL #1											
30																	
31																	
32	10	5	3-11	1W501	STR												
33	✱13	5	8-6	1W502	STR												
34	20	5	10-6	1W503	STR												
35	▲28	5	8-7	1W504	STR												
36	▲10	5	13-3	1W505	STR												
37	2	5	8-8	1W506	STR												
38	▲10	5	10-0	1W507	STR												
39																	
40	10	8	8-7	1W801	17		7-3	1-4	—								
41																	
42																	
43	✱13	9	8-6	1W901	STR												
44																	
45																	
46																	
47																	
48						WINGWALL #2											
49																	
50																	
51																	
52	24	5	3-11	2W501	STR												
53	28	5	8-6	2W502	STR												
54	20	5	27-6	2W503	STR												
55	▲26	5	23-5	2W504	STR												
56	▲24	5	11-9	2W505	STR												
57	2	5	23-7	2W506	STR												
58	24	5	8-5	2W507	STR												
59																	
60	✱25	8	8-7	2W801	17		7-3	1-4	—								
61																	
62																	
63	28	9	8-6	2W901	STR												
64																	
65																	
66																	
67																	
68																	
69																	
70																	
71																	
72																	
73																	
74																	
75																	
76																	
77																	
78																	
79																	
80																	

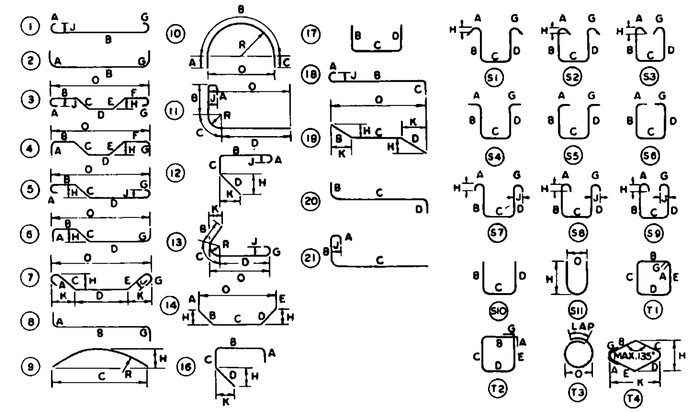
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82																	
83						ABUTMENT 2											
84																	
85																	
86	46	5	3-11	2A501	STR												
87	✱91	5	6-6	2A502	STR												
88	▲16	5	38-8	2A503A	STR												
89	16	5	5-9	2A503B	STR												
90	14	5	25-2	2A504A	STR												
91	▲16	5	18-2	2A504B	STR												
92	▲12	5	12-3	2A505	STR												
93	▲74	5	6-6	2A507	STR												
94	6	5	9-3	2A508	STR												
95	2	5	12-0	2A515	STR												
96																	
97																	
98	▲13	5	8-0	2A506A	19		2-2	5-10	—				0-7		2-1		
99	▲13	5	8-5	2A506B	19		6-2	2-3	—				1-7		5-11		
100	▲10	5	4-4	2A509A	19		2-2	2-2	—				1-10½		1-1		
101	10	5	5-3	2A509B	19		3-1	2-2	—				2-8		1-6½		
102	46	5	4-9	2A510	17		—	0-10	3-11								
103	10	5	9-3	2A511	19		2-2	4-11	2-2				1-6½		1-6½		
104	10	5	7-10	2A512	20		2-2	3-6	2-2								
105	8	5	7-10	2A513	19		2-2	3-6	2-2				1-6½		1-6½		
106	8	5	6-10	2A514	20		2-2	2-6	2-2								
107	37	5	6-1	2A516	17		2-2	1-9	2-2								
108																	
109						WINGWALL #3											
110																	
111																	
112	21	5	3-11	3W501	STR												
113	26	5	8-6	3W502	STR												
114	20	5	24-9	3W503	STR												
115	▲26	5	19-9	3W504	STR												
116	▲21	5	12-3	3W505	STR												
117	2	5	20-3	3W506	STR												
118	21	5	9-0	3W507	STR												
119																	
120	21	8	8-7	3W801	17		7-3	1-4	—								
121																	
122																	
123	✱27	9	8-6	3W901	STR												
124																	
125																	
126																	
127																	
128						WINGWALL #4											
129																	
130																	
131																	
132	12	5	3-11	4W501	STR												
133	13	5	8-6	4W502	STR												
134	▲20	5	12-0	4W503	STR												
135	▲20	5	10-8	4W504	STR												
136	▲12	5	9-3	4W505	STR												
137	2	5	10-6	4W506	STR												
138	▲9	5	5-11	4W507	STR												
139																	
140	✱13	8	8-7	4W801	17		7-3	1-4	—								
141																	
142																	
143	13	9	8-6	4W901	STR												
144																	
145																	
146																	
147																	
148						CULVERT HEADERS											
149																	
150	4	5	20-0	H501	STR												
151																	
152																	
153																	
154																	
155																	
156																	
157																	
158																	
159																	
160																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
161																	
162																	
163						SUPERSTRUCTURE											
164																	
165																	
166	132	5	40-5	ES501	STR												
167	186	5	24-10	ES502	STR												
168	▲96	5	25-11	ES503	STR												
169	▲18	5	36-11	ES505	STR												
170																	
171																	
172	160	5	4-9	ES504	55	0-10	1-2	0-9	1-2			0-10					
173	76	5	9-2	ES506	55	0-10	3-3	0-9	3-6			0-10					
174																	
175																	
176																	
177																	
178																	
179																	
180																	

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



NOTES

1. 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.
2. 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."
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
5. "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.

E DENOTES BARS TO BE EPOXY COATED.

▲ DENOTES BARS TO BE CUT IN FIELD.

✱ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

△ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF CHESTER	BRIDGE NO. 67
HIGHWAY NO. T.H. 9	LOG STA.
	SURV. STA.

TH9 OVER WILLIAMS RIVER

REINFORCING STEEL SCHEDULE

DESIGNED BY R.P. GENDRON	DRAWN BY A. CHURCH
CHECKED BY R.P. GENDRON DATE 10-21-86	BRIDGE DESIGN SUPERVISOR R.L. Ootley DATE 11-86
PROJECT CHESTER	PROJECT NO. BRZ 1442(10)
BRIDGE SHEET NO.	SHEET 14 OF 28