ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1	BRIDGE NO. 11N																
2	ABUTMENT 2																
3																	
4	120	5	3'-0"	E2A501	STR												
5	20	5	24'-8"	E2A502	STR												
△▲ 6	5	5	7'-0"	E2A504	STR												
✱ 7	5	5	8'-9"	E2A507	STR												
8	45	5	1'-9"	E2A510	STR												
9	14	5	25'-9"	E2A511	STR												
✱ 10	10	5	20'-6"	E2A514	STR												
▲ 11	9	5	24'-6"	E2A515	STR												
12																	
▲ 13	57	5	8'-5"	E2A503	17		4'-7"	3'-10"	0'-0"								
14	8	5	3'-6"	E2A505	19		1'-9"	1'-9"	0'-0"								3'-0"
15	5	5	4'-7"	E2A506	16	0'-0"	2'-0"	0'-7"	2'-0"								2'-0"
16	8	5	2'-0"	E2A508	16	0'-0"	0'-8"	0'-5"	0'-11"								1'-0¾"
▲ 17	46	5	4'-7"	E2A509	17		1'-9"	1'-1"	1'-9"								
18	36	5	2'-10"	E2A512	2	0'-10"	2'-0"					0'-0"					
19	44	5	3'-2"	E2A513	S13	0'-6"	1'-8"	0'-6"	1'-2"	1'-4"			0'-10"		0'-10"		
20	2	5	3'-4½"	E2A516	16	0'-0"	1'-6"	0'-4½"	1'-6"								1'-5¼"
21	4	5	7'-11½"	E2A517	T10	0'-6"	0'-10"	1'-3½"	1'-1"	1'-9"	2'-0"	0'-6"	0'-11"		0'-11"		
22	22	5	7'-1"	E2A518	T10	0'-6"	0'-7"	1'-2"	1'-1"	1'-3"	2'-0"	0'-8"	0'-8"		0'-11½"		
23	20	5	6'-3"	E2A519	T1	0'-6"	0'-7½"	2'-0"	0'-7½"	2'-0"		0'-6"					
24																	
25	15	8	2'-10"	E2A801	17		1'-4"	1'-6"	0'-0"								
26																	
27	ABUTMENT 4																
28																	
29	120	5	3'-0"	E4A501	STR												
✱ 30	27	5	24'-8"	E4A502	STR												
▲ 31	4	5	7'-0"	E4A504	STR												
△ 32	6	5	9'-0"	E4A507	STR												
33	45	5	1'-9"	E4A510	STR												
34	14	5	25'-9"	E4A511	STR												
✱ 35	10	5	15'-0"	E4A514	STR												
▲ 36	9	5	19'-0"	E4A515	STR												
37																	
▲ 38	57	5	10'-11"	E4A503	17		4'-7"	6'-4"	0'-0"								
39	11	5	3'-6"	E4A505	19		1'-9"	1'-9"	0'-0"								3'-0"
40	8	5	4'-7"	E4A506	16	0'-0"	2'-0"	0'-7"	2'-0"								2'-0"
41	8	5	2'-0"	E4A508	16	0'-0"	0'-8"	0'-5"	0'-11"								1'-0¾"
▲ 42	46	5	4'-7"	E4A509	17		1'-9"	1'-1"	1'-9"								
43	38	5	2'-10"	E4A512	2	0'-10"	2'-0"					0'-0"					
44	41	5	5'-2"	E4A513	S13	0'-6"	1'-8"	0'-6"	1'-2"	1'-4"			0'-10"		0'-10"		
45	2	5	3'-4½"	E4A516	16	0'-0"	1'-6"	0'-4½"	1'-6"								1'-5¼"
46	2	5	7'-11½"	E4A517	T10	0'-6"	0'-10"	1'-3½"	1'-1"	1'-9"	2'-0"	0'-6"	0'-11"		0'-11"		
47	12	5	7'-1"	E4A518	T10	0'-6"	0'-7"	1'-2"	1'-1"	1'-3"	2'-0"	0'-8"	0'-8"		0'-11½"		
48	20	5	6'-3"	E4A519	T1	0'-6"	0'-7½"	2'-0"	0'-7½"	2'-0"		0'-6"					
49																	
△ 50	15	8	2'-10"	E4A801	17		1'-4"	1'-6"	0'-0"								
51																	
52	EXPANSION PIER PEDESTALS																
53																	
54	80	11	1'-6"	P1101	STR												
55																	
56	32	5	8'-4"	P501	14	2'-0"	1'-8½"	0'-11"	1'-8½"	2'-0"			1'-2½"				3'-4"
57	32	5	7'-4"	P502	17		2'-0"	3'-4"	2'-0"								
58	16	5	5'-3"	P503	17		1'-6½"	2'-2"	1'-6½"								
59	16	5	6'-3"	P504	17		1'-6½"	3'-2"	1'-6½"								
60	8	5	4'-11"	P505	17		1'-5½"	2'-0"	1'-5½"								
61	40	5	6'-1"	P506	17		1'-5½"	3'-2"	1'-5½"								
62	48	5	14'-4"	P507	T1	0'-6"	3'-4"	3'-4"	3'-4"	3'-4"		0'-6"					
63	48	5	6'-3"	P508	17		1'-6½"	3'-2"	1'-6½"								
64																	
65	FIXED PIER BEARING ENCASEMENTS																
66																	
67	40	9	2'-8"	FP901	STR												
68																	
69	5	5	10'-4"	FP501	14	3'-0"	1'-5½"	0'-11"	1'-8½"	3'-0"			1'-2½"				3'-4"
70	6	5	9'-4"	FP502	17		3'-0"	3'-4"	3'-0"								
71	4	5	5'-10"	FP503	17		1'-3½"	3'-3"	1'-3½"								
72	4	5	6'-9"	FP504	17		1'-3½"	3'-10"	1'-3½"								
73	2	5	2'-10½"	FP505	17		1'-7"	1'-3½"	0'-0"								
74	2	5	5'-3"	FP506	17		1'-6"	2'-11"	1'-2"								
75	2	5	6'-4"	FP507	17		1'-2"	4'-0"	1'-2"								
76	2	5	4'-7"	FP508	17		1'-2½"	2'-2"	1'-2½"								
77	6	5	5'-7½"	FP509	17		1'-2½"	3'-2½"	1'-2½"								
78	18	5	10'-0"	FP510	17		3'-4"	3'-4"	3'-4"								
79	12	5	5'-9½"	FP511	17		1'-3½"	3'-2½"	1'-3½"								
80	6	5	5'-7½"	FP512	17		1'-2½"	3'-2½"	1'-2½"								
81	6	5	4'-7"	FP513	17		1'-2"	2'-3"	1'-2"								
82																	
83																	
84																	
85																	
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98																	
99																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
100	BRIDGE NO. 11N																
101	DECK SLAB																
102																	
103	2034	5	34'-11"	ES501	STR												
104	2	5	2'-11"	ES504	STR												
105	↓	↓	↓	↓	↓	VARY IN 63 EQUAL INCREMENTS											
106	2	5	34'-5"	ES597	STR												
107	2835	5	40'-0"	ES5132	STR												
108	105	5	28'-0"	ES5133	STR												
△ 109	34	5	8'-3"	ES5137	STR												
110	4	5	25'-8"	ES5138	STR												
△ 111	14	5	6'-0"	ES5139	STR												
112																	
113	374	6	40'-0"	ES601	STR												
114	68	6	28'-0"	ES602	STR												
115	69	6	31'-0"	ES603	STR												
△ 116	70	6	11'-0"	ES604	STR												
117																	
△ 118	2036	5	15'-4"	ES502	T	0'-7"	14'-9"										
119	2034	5	22'-10"	ES503	T	0'-7"	22'-3"										
120	2	5	3'-6"	ES556	T	0'-7"	2'-11"										
121	↓	↓	↓	↓	↓	VARY IN 63 EQUAL INCREMENTS											
122	2	5	36'-0"	ES5131	T	0'-7"	34'-5"										
123	2088	5	7'-1"	ES5134	T10	0'-6"	0'-7"	1'-2"	1'-1"	1'-3"	2'-0"	0'-8"	0'-8"		0'-11½"		
124	2098	5	6'-9"	ES5135	T1	0'-6"	0'-7½"	2'-3"	0'-7½"	2'-3"		0'-6"					
125	45	5	6'-6"	ES5136	S6	2'-0"	0'-7"	2'-10"	0'-7"			0'-6"					
126	6	5	8'-0"	ES5140	T10	0'-8"	0'-10"	1'-4"	1'-1"	1'-9"	2'-0"	0'-6"	0'-11"		0'-11½"		
127	6	5	7'-2"	ES5141	T1	0'-6"	0'-10"	2'-3"	0'-10"	2'-3"		0'-6"					
128																	
129	APPROACH SLABS																
130																	
△ 131	102	8	23'-4"	EAS501	STR												
132	84	9	25'-7"	EAS801	18	6"	24'-3"								10"	0	
133	BARRIER CURB ENDS																
134																	
▲ 135	8	5	24'-6"	EB506	STR												
136	1	5	13'-0"	EB507	STR												
▲ 137	8	5	19'-2"	EB508	STR												
△ 138	3	5	11'-6"	EB509	STR												
▲ 139	8	5	14'-3"	EB510	STR												
140	1	5	5'-0"	EB511	STR												
▲ 141	8	5	18'-9"	EB512	STR												
142	1	5	11'-8"	EB513	STR												
143																	
144	12	5	6'-9"	EB501	T1	0'-6"	0'-7½"	2'-3"	0'-7½"	2'-3"		0'-6"					
145	82	5	6'-9"	EB502	T1	0'-6"	0'-7½"	2'-3"	0'-7½"	2'-3"		0'-6"					
146	5	5	7'-3"	EB503	T1	0'-6"	0'-10½"	2'-3"	0'-10½"	2'-3"		0'-6"					
147	4	5	12'-6"	EB504	19		2'-6"	7'-6"	2'-6"				0'-2¼"		2'-6"		12'-9"
148																	
149																	
150																	
151																	
152																	
153																	
154																	
155																	
156																	
157																	
158	REINFORCING STEEL CHANGES FOR NEW APPROACH SLABS- BRIDGE 11N (6-28-99)																
159																	
160	BRIDGE 11N																
161																	
162																	
163																	
164	APPROACH SLAB 2																
165																	
166																	
167																	
168																	
169	51	5	23-4	E2A5501	STR *												
170	2	5	25-9	E2A511	STR												
171	INCREASE IN QUANITY OF ABUT 2 BARS																
172																	
173																	
174																	
175																	
176	APPROACH SLAB 4																
177																	
178																	
179	51	5	23-4	E4A5501	STR *												
180	2	5	25-9	E4A511	STR												
181	INCREASE IN QUANITY OF ABUT 4 BARS																
182	43	9	25-6	E4AS901	IR	1-3	243										
183																	
184																	
185																	
186	* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES																
187																	
188																	
189																	
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194																	
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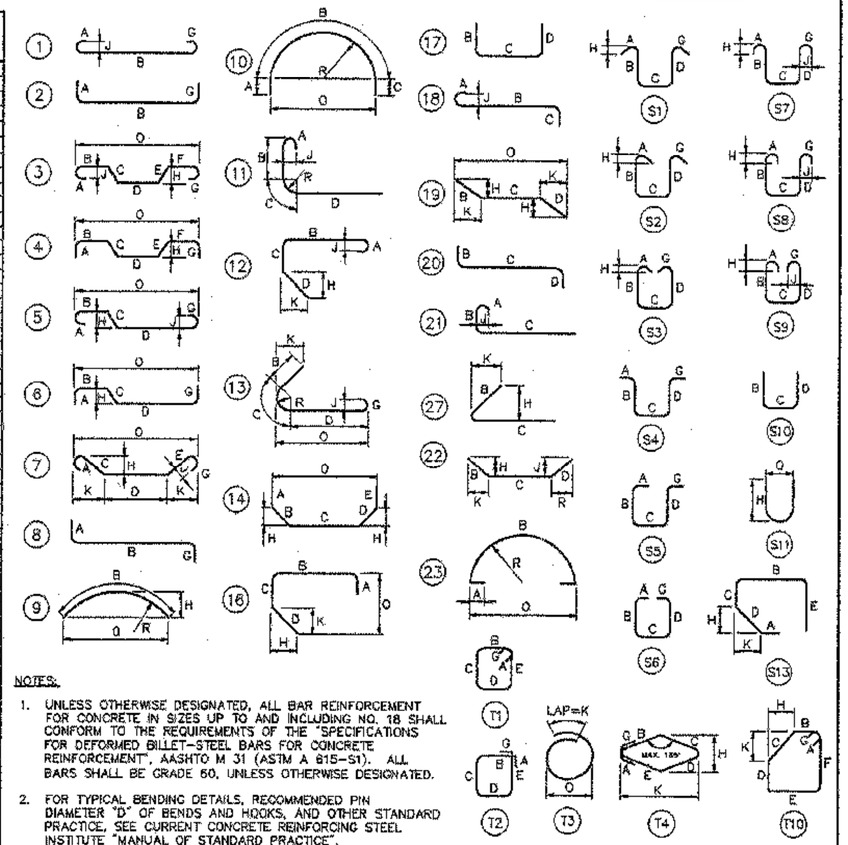

NOTES:

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. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.
8. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
9. ✱ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. ▲ DENOTES BARS TO BE CUT TO FIT IN FIELD.

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	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	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	7.650	1.693	2.25	5.320
#18	13.60	2.257	4.00	7.090

APPROACH SLAB REPLACEMENT
REVISIONS 6/99

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of HARTFORD	Bridge No. 11N
Highway No. I-89 NB	Log Sta.
	Surv. Sta.

I-89 NB OVER WHITE RIVER, VT 14 & NECR

REINFORCING STEEL SCHEDULE (2 OF 2)

Designed By T.S. BRYANT	Drawn By B.J. MASSE
Checked By T.S. BRYANT Date 9/98	Bridge Design Supervisor C.D. BAKER Date 6/99
PROJECT HARTFORD	PROJECT NO. IR 089-1(13)
VHB Cad Filename 50699REFREV	
Bridge Sheet No. 44R	Sheet 44R of 101

VANASSE HANGEN BRUSTLIN, INC.

PLOTTED 6/99