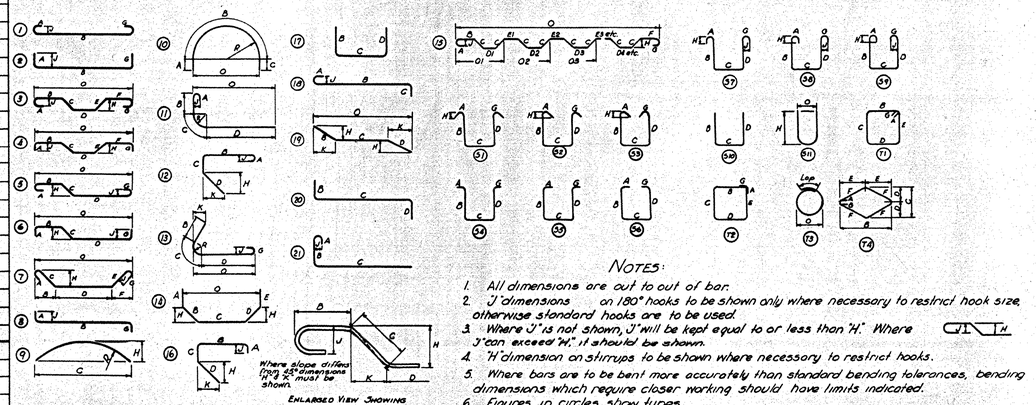
B.P.R. DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	VT.	I-89-2(7)	84	137

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
		APPROACH SLAB 1															
1	22	5	15'-9"	AS1-501	Str.												
2	20	5	17'-1"	AS1-502	Str.												
3	4	5	7'-0"	AS1-503	Str.												
4	8	5	4'-4"	AS1-504	S3	0'-5"	1'-6"	0'-6"	1'-6"			0'-5"	0'-2 3/4"				
5	31	10	21'-4"	AS1-1001	1	0'-11"	19'-6"					0'-11"		0'-8"			
6	4	10	10'-3"	AS1-1002	1	0'-11"	8'-5"					0'-11"		0'-8"			
7																	
8		APPROACH SLAB 2															
9		Same as slab 1, except bars to be prefixed															
10				"AS2"													
11																	
12																	
13		APPROACH SLAB 3															
14	2	5	29'-6"	AS3-501	Str.												
15	18		30'-10"	AS3-502													
16			14'-0"	AS3-503													
17			15'-0"	AS3-504													
18			16'-0"	AS3-505													
19			17'-0"	AS3-506													
20			18'-0"	AS3-507													
21			19'-0"	AS3-508													
22			20'-0"	AS3-509													
23			20'-9"	AS3-510													
24			21'-9"	AS3-511													
25			22'-9"	AS3-512													
26			23'-9"	AS3-513													
27			24'-6"	AS3-514													
28			25'-6"	AS3-515													
29			26'-6"	AS3-516													
30			27'-6"	AS3-517													
31			28'-3"	AS3-518													
32			29'-0"	AS3-519													
33			14'-6"	AS3-520													
34			13'-6"	AS3-521													
35			12'-6"	AS3-522													
36			11'-6"	AS3-523													
37			10'-6"	AS3-524													
38			9'-6"	AS3-525													
39			8'-6"	AS3-526													
40			7'-6"	AS3-527													
41			6'-6"	AS3-528													
42			5'-6"	AS3-529													
43			4'-6"	AS3-530													
44			3'-6"	AS3-531													
45	1		5'-0"	AS3-532		Field Bend											
46	*2		4'-0"	AS3-533		Field Bend											
47	1		3'-0"	AS3-534		Field Bend											
48	2		15'-0"	AS3-535													
49	2		12'-6"	AS3-536	Str.												
50	10		4'-4"	AS3-537	S3	0'-5"	1'-6"	0'-6"	1'-6"			0'-5"	0'-2 3/4"				
51	2	5	23'-0"	AS3-538	Str.												
52	2	10	18'-10"	AS3-1001	1	0'-11"	17'-0"					0'-11"		0'-8"			
53	2	10	16'-1"	AS3-1002			14'-3"										
54	1	10	21'-4"	AS3-1003			19'-6"										
55			22'-4"	AS3-1004			20'-6"										
56			23'-4"	AS3-1005			21'-6"										
57			24'-4"	AS3-1006			22'-6"										
58			25'-4"	AS3-1007			23'-6"										
59			26'-7"	AS3-1008			24'-9"										
60			27'-7"	AS3-1009			25'-9"										
61			28'-10"	AS3-1010			27'-0"										
62			29'-10"	AS3-1011			28'-0"										
63			30'-10"	AS3-1012			29'-0"										
64			32'-1"	AS3-1013			30'-3"										
65			33'-1"	AS3-1014			31'-3"										
66			34'-1"	AS3-1015			32'-3"										
67			35'-4"	AS3-1016			33'-6"										
68	1		36'-4"	AS3-1017	1	0'-11"	34'-6"					0'-11"		0'-8"			
69	16	10	30'-0"	AS3-1018	1	0'-11"	29'-1"							0'-8"			
70	*2	10	11'-5"	AS3-1019			10'-6"										
71	1		12'-5"	AS3-1020			11'-6"										
72			13'-8"	AS3-1021			12'-9"										
73			14'-9"	AS3-1022			13'-10"										
74			15'-11"	AS3-1023			15'-0"										
75			16'-11"	AS3-1024			16'-0"										
76			17'-11"	AS3-1025			17'-0"										
77			18'-11"	AS3-1026			18'-0"										
78			20'-0"	AS3-1027			19'-1"										
79			21'-2"	AS3-1028			20'-3"										
80			22'-2"	AS3-1029			21'-3"										
81	1	10	23'-3"	AS3-1030	1	0'-11"	22'-4"							0'-8"			
82	1	10	24'-5"	AS3-1031	1	0'-11"	23'-6"							0'-8"			
83	1	10	25'-5"	AS3-1032	1		24'-6"										
84	1	10	26'-5"	AS3-1033	1		25'-6"										
85	1	10	27'-5"	AS3-1034	1	0'-11"	26'-6"							0'-8"			
86																	
87																	
88																	
89				APPROACH SLAB 4													
90	6	5	29'-6"	AS4-501	Str.												
91	14	5	30'-10"	AS4-502													
92	1		10'-0"	AS4-503													
93			11'-0"	AS4-504													
94			12'-0"	AS4-505													
95			13'-0"	AS4-506													
96			14'-0"	AS4-507													
97			15'-0"	AS4-508													
98			16'-0"	AS4-509													
99			17'-0"	AS4-510													
100			18'-0"	AS4-511													
101			19'-0"	AS4-512													
102			20'-0"	AS4-513													
103			20'-9"	AS4-514													
104			21'-9"	AS4-515													
105			22'-9"	AS4-516													
106			23'-9"	AS4-517													
107			24'-6"	AS4-518													
108			25'-6"	AS4-519													
109			26'-6"	AS4-520													
110			27'-6"	AS4-521													
111			28'-3"	AS4-522													
112			29'-0"	AS4-523													
113			10'-6"	AS4-524													
114			19'-6"	AS4-525													
115			8'-6"	AS4-526													
116			7'-6"	AS4-527													
117			6'-6"	AS4-528													
118			5'-6"	AS4-529													
119			4'-6"	AS4-530													
120			3'-6"	AS4-531													
121			5'-0"	AS4-532			Field Bend										
122			4'-0"	AS4-533			Field Bend										
123	1		3'-0"	AS4-534			Field Bend										
124	2		11'-0"	AS4-535													
125	2		9'-0"	AS4-536	Str.												
126	8	5	4'-4"	AS4-537	S3	0'-5"	1'-6"	0'-6"	1'-6"			0'-5"	0'-2 3/4"				
127	2	5	23'-0"	AS4-538	Str.												
128	2	10	14'-10"	AS4-1001	1	0'-11"	13'-0"					0'-11"		0'-8"			
129	2	10	12'-3"	AS4-1002			10'-5"										
130	1	10	21'-4"	AS4-1003			19'-6"										
131			22'-4"	AS4-1004			20'-6"										
132			23'-4"	AS4-1005			21'-6"										
133			24'-4"	AS4-1006			22'-6"										
134			25'-4"	AS4-1007			23'-6"										
135			26'-7"	AS4-1008			24'-9"										
136			27'-7"	AS4-1009			25'-9"										
137			28'-10"	AS4-1010			27'-0"										
138			29'-10"	AS4-1011			28'-0"										
139			30'-10"	AS4-1012			29'-0"										
140			32'-1"	AS4-1013			30'-3"										
140			33'-1"	AS4-1014			31'-3"										
141			34'-1"	AS4-1015			32'-3"										
142			35'-4"	AS4-1016			33'-6"										
143	1		36'-4"	AS4-1017	1	0'-11"	34'-6"					0'-11"		0'-8"			
144	16	10	30'-0"	AS4-1018	1	0'-11"	29'-1"							0'-8"			
145	1	10	11'-5"	AS4-1019			10'-6"										
146			12'-5"	AS4-1020			11'-6"										
147			13'-8"	AS4-1021			12'-9"										
148			14'-9"	AS4-1022			13'-10"										
149			15'-11"	AS4-1023			15'-0"										
150			16'-11"	AS4-1024			16'-0"										
151			17'-11"	AS4-1025			17'-0"										
152			18'-11"	AS4-1026			18'-0"										
153			20'-0"	AS4-1027			19'-1"										
154			21'-2"	AS4-1028			20'-3"										
155			22'-2"	AS4-1029			21'-3"										
156			23'-3"	AS4-1030			22'-4"										
157			24'-5"	AS4-1031			23'-6"										
158			25'-5"	AS4-1032			24'-6"										
159			26'-5"	AS4-1033			25'-6"										
160	1	10	27'-5"	AS4-1034	1	0'-11"	26'-6"					0'-11"		0'-8"			
161																	
162																	

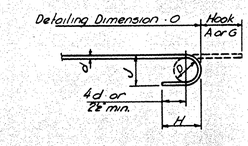
TYPICAL BAR BENDS



NOTES:

1. All dimensions are out to out of bar.
2. "J" dimensions on 180° hooks to be shown only where necessary to restrict hook size, otherwise standard hooks are to be used.
3. Where "J" is not shown, "J" will be kept equal to or less than "H." Where "J" can exceed "H," it should be shown.
4. "H" dimension on stirrups to be shown where necessary to restrict hooks.
5. Where bars are to be bent more accurately than standard bending tolerances, bending dimensions which require closer working should have limits indicated.
6. Figures in circles show types.
7. No allowance for bend curvature is to be made except for standard hook & radii in excess of same.

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
163																	
164																	
165																	
166																	
167																	
168																	
169																	
170																	
171																	
172																	
173																	
174																	
175																	
176																	
177																	
178																	
179																	
180																	
181																	
182																	
183																	
184																	
185																	
186																	
187																	
188																	
189																	
190																	



STANDARD HOOK DETAIL

BAR SIZES

Equivalent Size	Present (Numbers)
1/4"ϕ	#2
3/8"ϕ	#3
1/2"ϕ	#4
5/8"ϕ	#5
3/4"ϕ	#6
7/8"ϕ	#7
1"ϕ	#8
1"□	#9
1 1/8"□	#10
1 1/4"□	#11

BOLTON IM 089-2(29)
BRIDGES 51 N&S
THIS SHEET FOR REFERENCE ONLY.

8. Bar reinforcement metal shall conform to the requirements of the Standard Specifications for new Billet-Steel Concrete Reinforcement Bars (Intermediate Grade) Serial Designation A.A.S.H.O. M31-48 or its latest revision. All bars shall be deformed to conform with A.S.T.M. Specifications A305-49.

* Denotes one additional bar for testing purposes

ESTIMATED QUANTITIES

FINAL	Location	Pounds
3,805 ✓	Approach Slab # 1	~~3787~~
3,805 ✓	" " # 2	~~3787~~
6,919 ✓	" " # 3	~~6932~~
6,762 ✓	" " # 4	~~6848~~
21,291 ✓	TOTAL	~~21,354~~

CONTRACT NO. 3

REINFORCING SCHEDULE

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
WATERBURY - BOLTON
INTERSTATE STA. 1148 + 50
OVER
U.S. ROUTE 2 (REL.) STA. 30 + 00

THE CLARKESON ENGINEERING CO. INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

SURVEYED BY	CHECKED BY D.S. & H.M.	SCALE: NONE
DRAWN BY J.H., R.M.G.	IN CHARGE J.V.B.	DATE 7-7-58

PROJECT NO. I-89-2(7) SHEET 276 OF 307