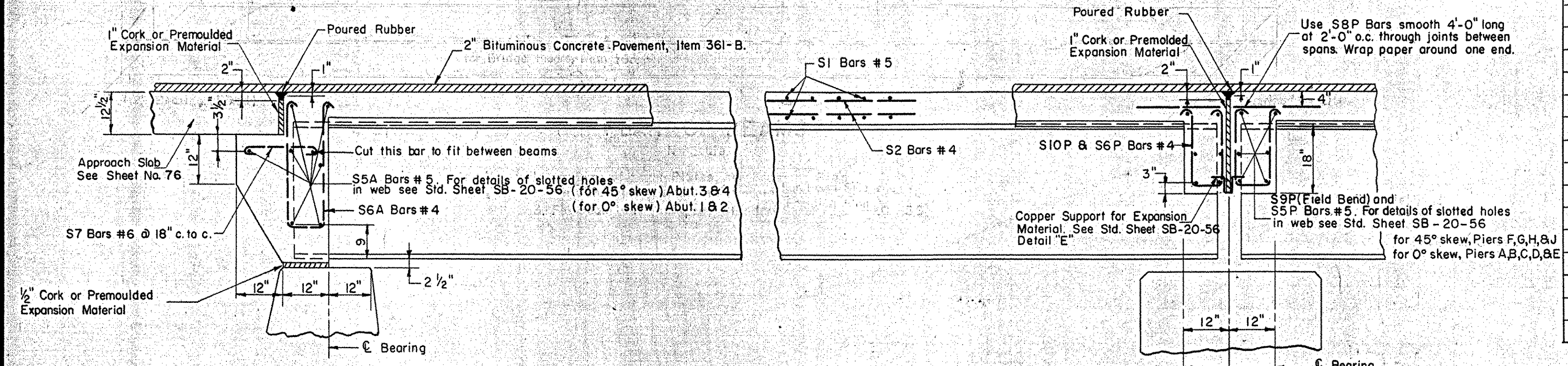


TYPICAL CROSS SECTION
Scale: 1/8" = 1'-0"

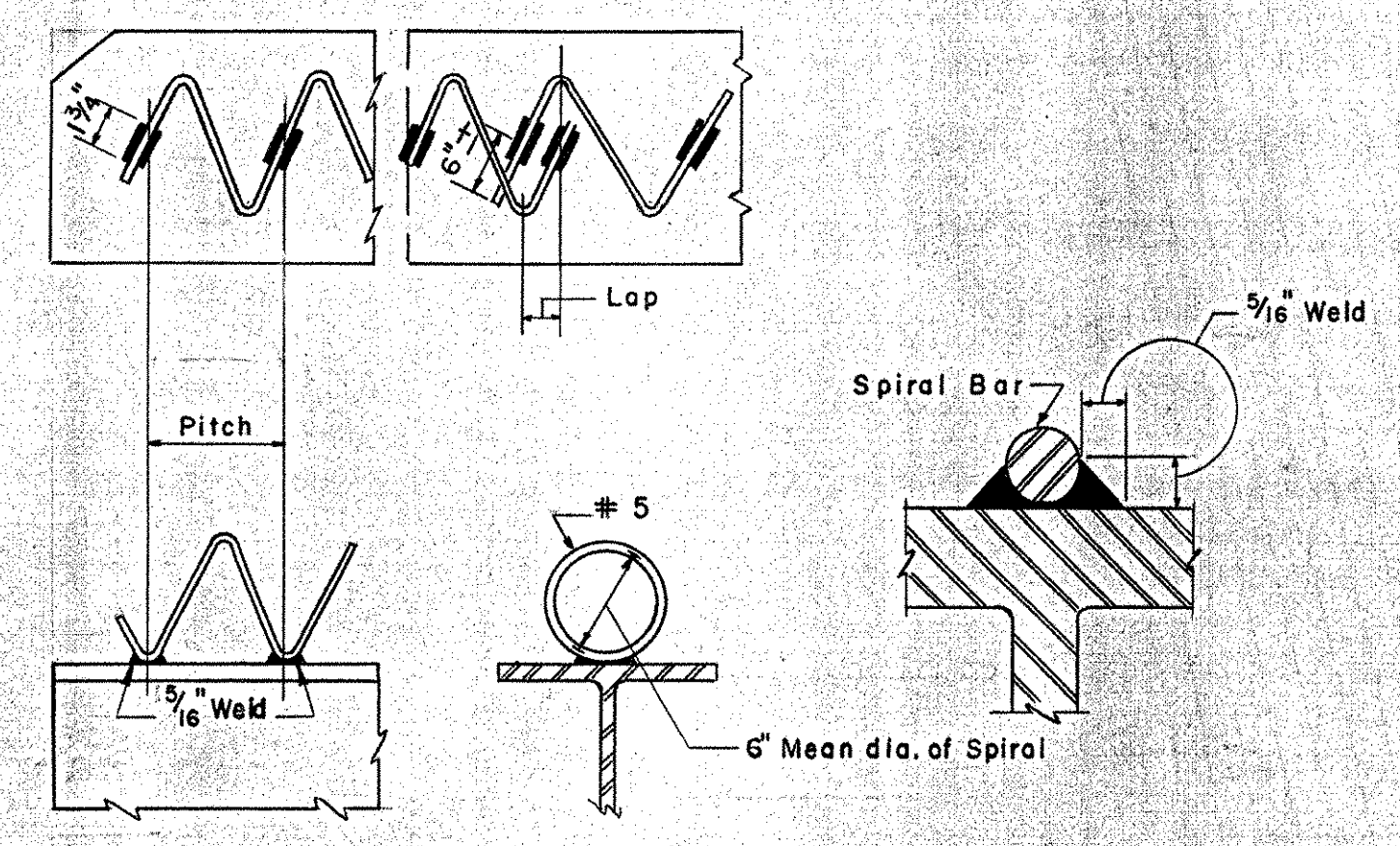
Note: The entire Bridge and Approach Slabs are to be superelevated at constant rate of 1/4% per ft.



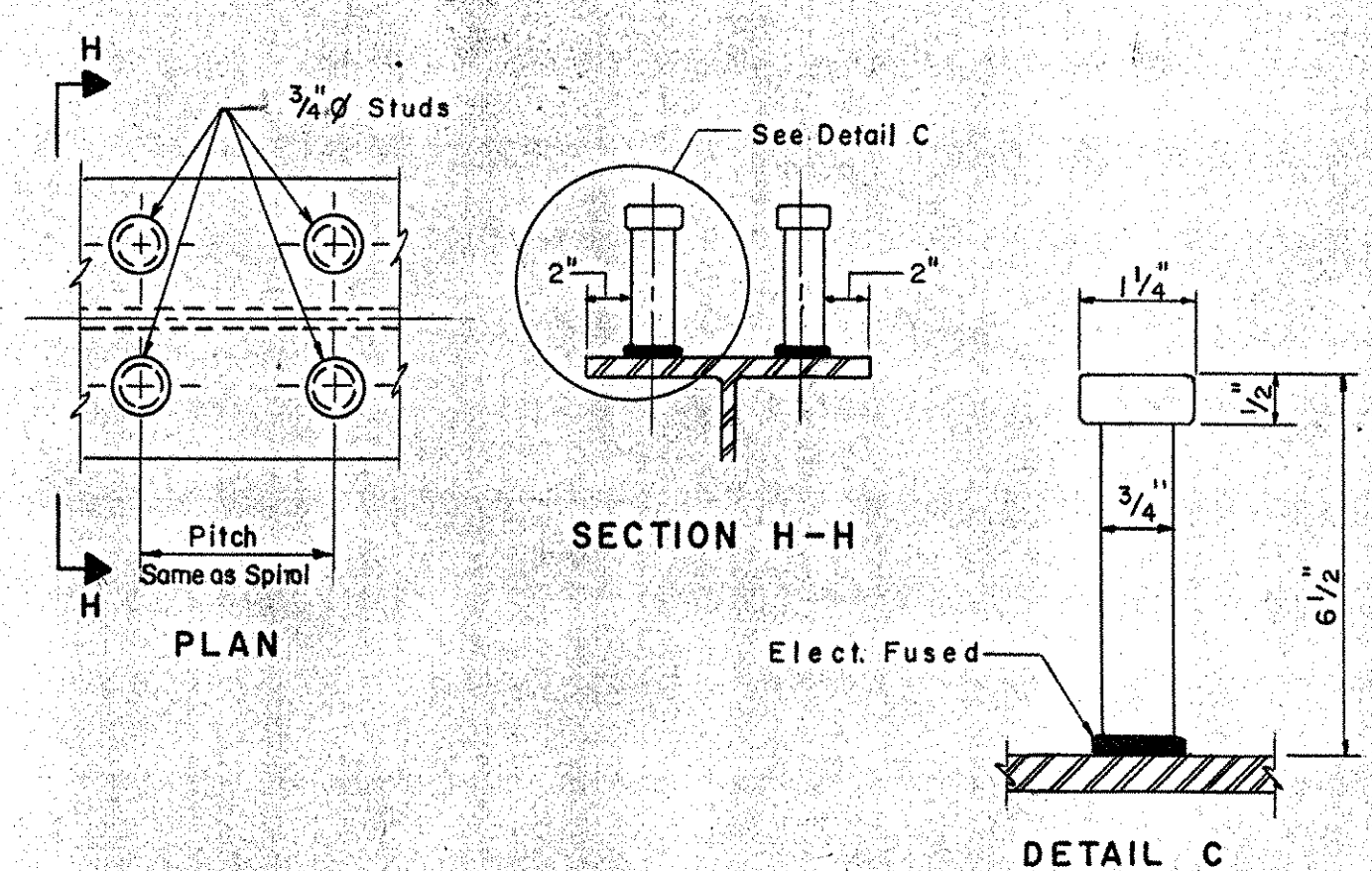
ELEVATION AT ABUTMENTS **ELEVATION AT PIERS**

TYPICAL ELEVATION OF BEAM (SQUARE)
Scale: 1/2" = 1'-0"

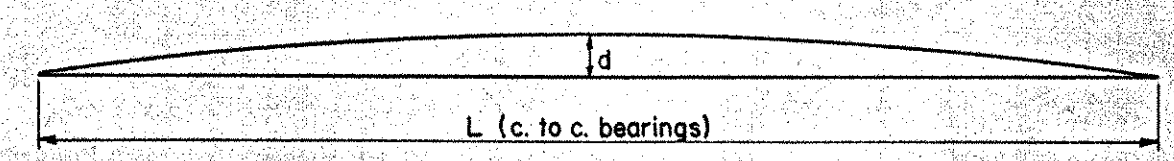
NOTE: WHERE A DOUBLE SPIRAL IS CALLED FOR IN THE SCHEDULE
(4) FOUR 6 1/2" LONG STUDS ARE REQUIRED PER PITCH.



TYPICAL SPIRAL WELDING DETAILS
No Scale



ALTERNATE SHEAR CONNECTOR
No Scale

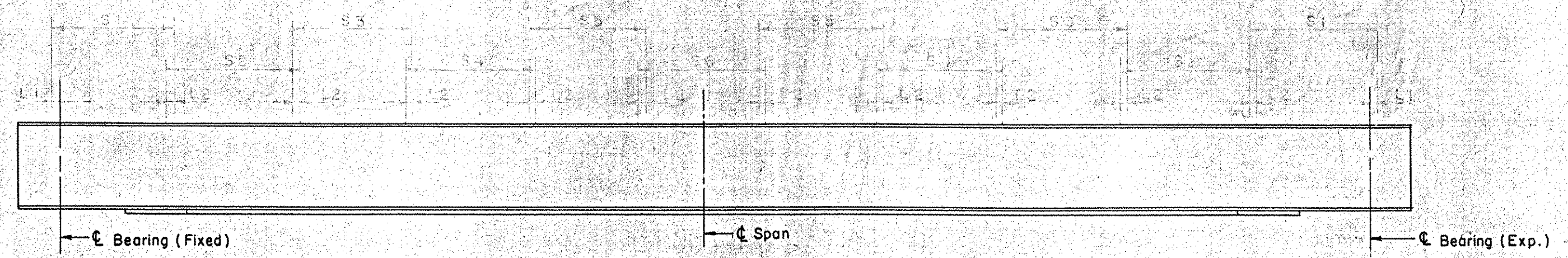


CAMBER DIAGRAM
No Scale

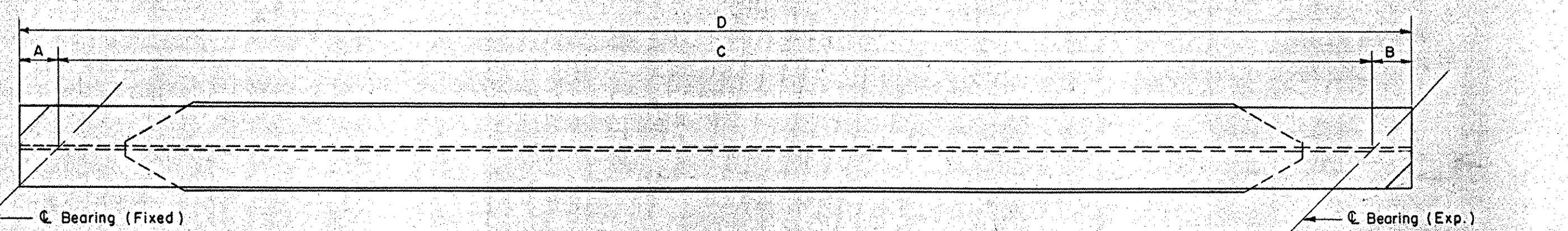
Beam No.	L	d
1,5,6,10	37'	5 1/2"
2-4,7-9	37'	5"
11-25,42-44	87'±	4"
26,31	97'±	5"
27,32	89'±	4 1/2"
28,33	82'±	3 1/2"
29,34	74'±	2 7/8"
30,35	66'±	2 3/8"
36-41,45	95'±	4 3/8"
46,50,51,59	51'±	1 1/4"
47-49,52-54	51'±	1 1/2"

DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	VT.	I-89-2 (7)	81	137

Beam No.	BEAM SCHEDULE				SPIRAL SCHEDULE					
	A	B	C	D	LENGTH OF SPAN	39'	54'	64'	69'	99'
1,5,6,10	6"	11"	37'-0"	38'-5"	SPIRAL PITCH 0'-10" FROM BRNG	DOUBLE @ 5"	DOUBLE @ 5"	DOUBLE @ 5 1/2"	DOUBLE @ 6"	DOUBLE @ 6 1/2"
2-4,7-9	6"	9"	37'-0"	38'-3"	" " 10'-20" OR C. SPAN	4"	DOUBLE @ 7"	DOUBLE @ 6 1/2"	DOUBLE @ 7"	DOUBLE @ 6 1/2"
11,15,16,20	11"	11"	87'-0"	88'-10"	" " 20'-30" OR C. SPAN		5 1/2"	4"	4 1/2"	4 1/2"
12-14,17-19	9"	9"	87'-0"	88'-6"	" " 30'-40" OR C. SPAN			5 1/2"	5 1/2"	5 1/2"
21,25	11"	11"	85'-6"	87'-4"	" " 40'- C. SPAN			8"	8"	7"
22-24	9"	9"	85'-6"	87'-0"						
26	11"	14 1/8"	97'-0 7/8"	99'-2"						
27	9"	9"	88'-5 1/8"	91'-0 7/8"						
28	9"	9"	82'-0"	83'-6"						
29	9"	9"	74'-5 1/2"	75'-11 1/2"						
30	11"	15 7/8"	66'-11 1/8"	69'-1 1/8"						
31	11"	15 1/16"	96'-5 1/4"	98'-7 1/16"						
32	9"	9"	88'-10 7/16"	90'-4 5/16"						
33	9"	9"	81'-3 1/16"	82'-9 7/16"						
34	9"	9"	73'-8 1/2"	75'-2 1/2"						
35	11"	15 1/16"	66'-1 9/16"	68'-4 1/4"						
36	16"	15"	95'-8 7/16"	98'-3 7/16"						
37-39	9"	9"	94'-10 7/16"	96'-4 5/16"						
40	15 7/8"	15 7/8"	95'-2 1/2"	97'-10 1/4"						
41	17 1/4"	15 3/4"	95'-10 1/16"	98'-7 1/16"						
42-44	9"	9"	96'-3 7/16"	97'-9 7/16"						
45	15 1/16"	18 1/16"	95'-3 1/16"	98'-2 1/16"						
46,50	17"	9"	50'-10 7/16"	53'-0 13/16"						
47-49	9"	9"	50'-10 13/16"	52'-4 13/16"						
51,55	12 7/16"	9"	51'-4 1/4"	53'-2 7/16"						
52-54	9"	9"	51'-4 1/4"	52'-10 1/4"						



ELEVATION OF BEAMS
No Scale
Note: For Spiral Spacing, see Spiral Schedule



PLAN OF BEAMS
No Scale

Notes: 1. For Cover Plate Details, see Standard Sheet SCB-30-56
2. For Estimated Quantities, see Sheet No. 79
3. Cut flange ends as per Standard Sheet No. SB-22-58.

BOLTON (M 089-2(29))
BRIDGES S1 N&S
THIS SHEET FOR REFERENCE ONLY.

CONTRACT NO. 3

STRUCTURAL DETAILS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT In the towns of
WATERBURY-BOLTON

INTERSTATE OVER STA. 1148+50
U.S. ROUTE 2 (REL.) STA. 30+00

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

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