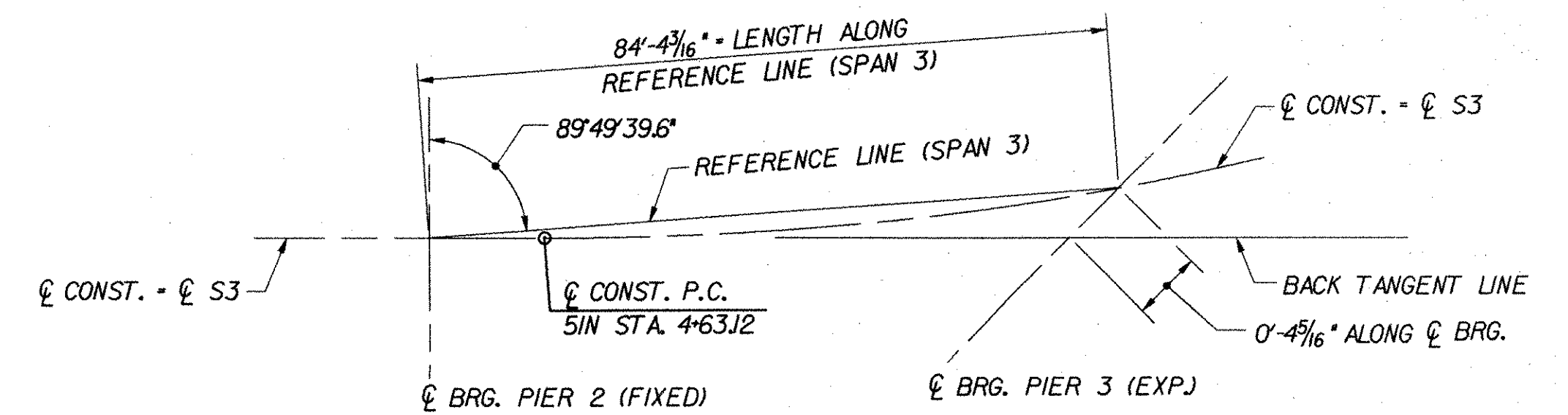


LAYOUT DIAGRAM
N.T.S.



SPAN 3 LAYOUT DETAIL
N.T.S.

STRINGER		SIDE	BEARING STIFFENER / CONNECTION PLATE SPACING (ALONG ARC)																										
NUMBER	RADIUS		SPAN 1			TOTAL C-C BRG.	SPAN 2				TOTAL C-C BRG.	SPAN 3					TOTAL C-C BRG.	SPAN 4					TOTAL C-C BRG.	SPAN 5			TOTAL C-C BRG.		
S1	9571.34'	LEFT				37' - 1 13/16"					7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	14' - 6"	13' - 11 11/16"	99' - 5 11/16"	7' - 4 3/8"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	13' - 6 1/16"	98' - 10 7/16"	8' - 2 3/16"	20' - 0"	25' - 0"	53' - 2 3/16"
		RIGHT	12' - 4"	12' - 4"	12' - 5 13/16"	20' - 0"	20' - 0"	20' - 0"	20' - 0"	7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	14' - 6"	6' - 4 15/16"	15' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	13' - 5"	15' - 11 15/16"	20' - 0"	17' - 1 11/16"	53' - 1 5/8"		
S2	9578.84'	LEFT				37' - 1 13/16"					7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	20' - 10 15/16"	6' - 4 15/16"	91' - 10 15/16"	7' - 4 1/2"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	13' - 5"	98' - 9 1/2"	8' - 1 5/8"	20' - 0"	25' - 0"	53' - 1 5/8"
		RIGHT	12' - 4"	12' - 4"	12' - 5 13/16"	20' - 0"	20' - 0"	20' - 0"	20' - 0"	7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	13' - 4 3/16"		15' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	5' - 8 9/16"	15' - 11 3/16"	20' - 0"	17' - 1 7/8"	53' - 1 1/16"		
S3	9586.34'	LEFT				37' - 1 13/16"					7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	13' - 4 3/16"		84' - 4 3/16"	7' - 4 5/8"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	13' - 3 15/16"	98' - 8 9/16"	8' - 1 1/16"	20' - 0"	25' - 0"	53' - 1 1/16"
		RIGHT	12' - 4"	12' - 4"	12' - 5 13/16"	20' - 0"	20' - 0"	20' - 0"	20' - 0"	7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	5' - 9 9/16"		15' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	5' - 7 9/16"	15' - 10 9/16"	20' - 0"	17' - 2"	53' - 0 9/16"		
S4	9593.84'	LEFT				37' - 1 13/16"					7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	23' - 9 9/16"		76' - 9 9/16"	7' - 4 13/16"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	13' - 2 3/4"	98' - 7 9/16"	8' - 0 9/16"	20' - 0"	25' - 0"	53' - 0 9/16"
		RIGHT	12' - 4"	12' - 4"	12' - 5 13/16"	20' - 0"	20' - 0"	20' - 0"	20' - 0"	7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"	16' - 3"		15' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	5' - 6 5/8"	15' - 9 13/16"	20' - 0"	17' - 2 3/16"	53' - 0"		
S5	9601.34'	LEFT				37' - 1 13/16"					7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"			69' - 3"	15' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	5' - 6 5/8"	98' - 6 5/8"	15' - 9 13/16"	20' - 0"	17' - 2 3/16"	53' - 0"
		RIGHT	12' - 4"	12' - 4"	12' - 5 13/16"	20' - 0"	20' - 0"	20' - 0"	20' - 0"	7' - 11 3/8"	13' - 0"	20' - 0"	20' - 0"	18' - 0"			15' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	19' - 6"	5' - 6 5/8"	15' - 9 13/16"	20' - 0"	17' - 2 3/16"	53' - 0"		

STRINGER LAYOUT TABLE
(SEE NOTE 2)

NOTES:

- MINOR CHORDS NOT SHOWN FOR CLARITY.
- STRINGER LAYOUT DIMENSIONS BEGIN AND END AT ABUTMENT CENTERLINES OF BEARING. LOCATION OF ABUTMENT DIAPHRAGM CONNECTION PLATES NOT INCLUDED IN TABLE. THE CONTRACTOR SHALL PROVIDE THIS DIMENSION IN SHOP DRAWINGS IN ACCORDANCE WITH DETAILS TYPICAL PLATE GIRDER DETAILS, BRIDGE SHEETS C-17 AND C-18.
- WORK THIS SHEET WITH FRAMING PLAN (51N) (1 OF 2), BRIDGE SHEET BR51-12.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	BOLTON	Bridge No.	51N
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 NB OVER U.S. ROUTE 2 AND JOINER BROOK			
FRAMING PLAN (51N) (2 OF 2)			
Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	J.P. HALSTEAD	Bridge Design Supervisor	J.P. HALSTEAD
	Date 10/99	Date	10/99
PROJECT	BOLTON	PROJECT NO.	IM-089-2(29)
		TVGA CAD Drawing No.	51nfp
		Date	10/99
		Bridge Sheet No.	BR51-13
		Sheet	III of 307