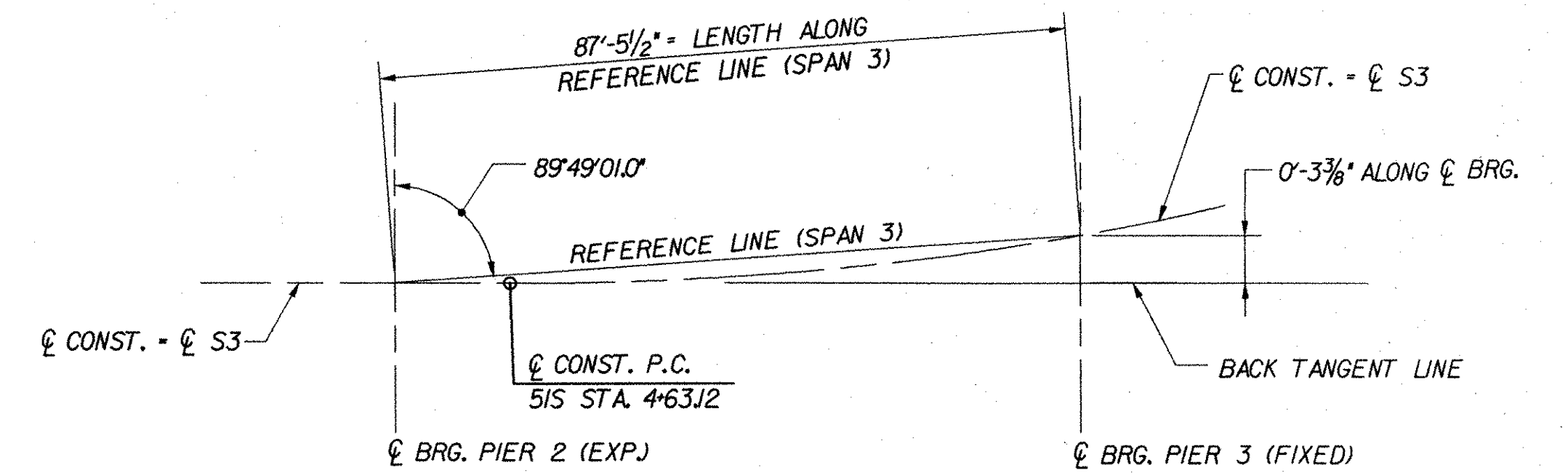


**LAYOUT DIAGRAM**  
N.T.S.



**SPAN 3 LAYOUT DETAIL**  
N.T.S.

STRINGER		BEARING STIFFENER / CONNECTION PLATE SPACING (ALONG ARC)																																		
NUMBER	RADIUS	SIDE	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.	SPAN 6			TOTAL C-C BRG.			
S1	9497.42'	RIGHT	12'-4"	12'-4"	12'-8 7/16"	37'-4 7/16"	25'-0"	25'-0"	25'-0"	12'-10 11/16"	87'-10 11/16"	14'-0"	22'-0"	22'-0"	22'-0"	7'-5 1/2"	87'-5 1/2"	12'-0"	20'-0"	20'-0"	18'-0"	14'-6"	14'-7 1/16"	99'-1 1/16"	7'-2 5/8"	19'-6"	19'-6"	19'-6"	19'-6"	19'-6"	13'-1 9/16"	98'-4 3/16"	7'-11 1/2"	20'-0"	25'-0"	52'-11 1/2"
S2	9504.92'	LEFT	12'-4"	12'-4"	12'-8 7/16"	37'-4 7/16"	25'-0"	25'-0"	25'-0"	12'-10 11/16"	87'-10 11/16"	14'-0"	22'-0"	22'-0"	22'-0"	7'-5 1/2"	87'-5 1/2"	12'-0"	20'-0"	20'-0"	18'-0"	14'-6"	6'-11 7/16"	91'-5 7/16"	15'-0"	19'-6"	19'-6"	19'-6"	19'-6"	5'-3 3/16"	98'-3 3/16"	15'-10 15/16"	20'-0"	16'-11 15/16"	52'-10 7/8"	
S3	9512.42'	RIGHT	12'-4"	12'-4"	12'-8 7/16"	37'-4 7/16"	25'-0"	25'-0"	25'-0"	12'-10 11/16"	87'-10 11/16"	14'-0"	22'-0"	22'-0"	22'-0"	7'-5 1/2"	87'-5 1/2"	12'-0"	20'-0"	20'-0"	18'-0"	13'-9 13/16"	13'-9 13/16"	83'-9 13/16"	15'-0"	19'-6"	19'-6"	19'-6"	19'-6"	5'-2 3/16"	98'-2 3/16"	15'-10 3/16"	20'-0"	17'-0 1/8"	52'-10 5/16"	
S4	9519.92'	LEFT	12'-4"	12'-4"	12'-8 7/16"	37'-4 7/16"	25'-0"	25'-0"	25'-0"	12'-10 11/16"	87'-10 11/16"	14'-0"	22'-0"	22'-0"	22'-0"	7'-5 1/2"	87'-5 1/2"	12'-0"	20'-0"	20'-0"	18'-0"	13'-9 13/16"	6'-2 3/8"	76'-2 3/8"	7'-2 15/16"	19'-6"	19'-6"	19'-6"	19'-6"	12'-11 1/4"	98'-1 1/8"	7'-10 5/16"	20'-0"	25'-0"	52'-9 3/4"	
S5	9527.42'	RIGHT	12'-4"	12'-4"	12'-8 7/16"	37'-4 7/16"	25'-0"	25'-0"	25'-0"	12'-10 11/16"	87'-10 11/16"	14'-0"	22'-0"	22'-0"	22'-0"	7'-5 1/2"	87'-5 1/2"	12'-0"	20'-0"	20'-0"	18'-0"	16'-6 15/16"		68'-6 15/16"	15'-0"	19'-6"	19'-6"	19'-6"	19'-6"	5'-0 3/16"	98'-0 3/16"	15'-8 3/4"	20'-0"	17'-0 7/16"	52'-9 3/16"	

**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 (51S) (1 OF 2), BRIDGE SHEET BR51-16.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BOLTON	Bridge No.	51S
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 SB OVER U.S. ROUTE 2 AND JOINER BROOK			
<b>FRAMING PLAN (51S) (2 OF 2)</b>			
Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	Date	Bridge Design Supervisor	
J.P. HALSTEAD	10/99	J.P. HALSTEAD Date 10/99	
PROJECT	BOLTON	PROJECT NO.	IM-089-2(29)
		TVGA CAD Drawing No.	51sfp Date 10/99
		Bridge Sheet No.	BR51-17 Sheet 115 of 307