



ROLLED BEAM PLATE GIRDER
LATERAL SPACING OF SHEAR CONNECTORS
 N.T.S.

STRINGER ELEVATION
 N.T.S.

* MEMBERS INDICATED SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH SECTION 714.01 OF THE SPECIFICATIONS.

NOTES:

- FOR FIELD SPLICE DETAILS, SEE TYPICAL GIRDER SPLICE DETAILS, BRIDGE SHEET C-20.
- ALL STRUCTURAL STEEL WITHIN 10 FEET OF END OF STRINGER AT EXPANSION ENDS SHALL BE COATED WITH A PROTECTIVE PAINT SYSTEM, WITH THE FINAL COAT TO BE DARK BROWN (COLOR CHIP #20059) TO BLEND WITH THE WEATHERING STEEL. THE COST OF PAINTING SHALL BE PAID FOR UNDER ITEM 513.25, *STRUCTURAL PAINTING, SHOP APPLIED*.

BR 51N							
STRINGER	RADIUS	SPAN LENGTHS (ALONG ARC)					TOTAL LENGTH (CL BRG. ABUT. TO ABUT.)
		L1	L2	L3	L4	L5	
S1	9571.34'	37' - 1 13/16"	87' - 11 3/8"	99' - 5 11/16"	98' - 10 7/16"	53' - 2 3/16"	378' - 7 1/2"
S2	9578.84'	37' - 1 13/16"	87' - 11 3/8"	91' - 10 15/16"	98' - 9 1/2"	53' - 1 5/8"	370' - 11 1/4"
S3	9586.34'	37' - 1 13/16"	87' - 11 3/8"	84' - 4 3/16"	98' - 8 9/16"	53' - 1 1/16"	363' - 3"
S4	9593.84'	37' - 1 13/16"	87' - 11 3/8"	76' - 9 9/16"	98' - 7 9/16"	53' - 0 9/16"	355' - 6 7/8"
S5	9601.34'	37' - 1 13/16"	87' - 11 3/8"	69' - 3"	98' - 6 5/8"	53' - 0"	347' - 10 13/16"
STRINGER	D1	SECTION LENGTHS (ALONG ARC)					
		D2	D3	D4	D5	D6	
S1	38' - 7 11/16"	67' - 11 1/4"	96' - 2 11/16"	46' - 3"	58' - 7 7/16"	72' - 3 11/16"	
S2	38' - 7 11/16"	69' - 5 1/4"	86' - 1 15/16"	45' - 6"	60' - 3 1/2"	72' - 3 1/8"	
S3	38' - 7 11/16"	70' - 8 1/4"	74' - 10 3/16"	46' - 9"	61' - 5 9/16"	72' - 2 9/16"	
S4	38' - 7 11/16"	71' - 8 1/4"	63' - 9 9/16"	48' - 3"	62' - 4 9/16"	72' - 2 1/16"	
S5	38' - 7 11/16"	72' - 5 1/4"	63' - 0"	40' - 0"	63' - 0 5/8"	72' - 1 1/2"	

STRINGER	"A"	"B"	"C"	"D"
S1	20'-9"	24'-0"	22'-3"	24'-0"
S2	19'-3"	25'-0"	20'-6"	25'-3"
S3	18'-0"	27'-6"	19'-3"	27'-9"
S4	17'-0"	30'-0"	18'-3"	27'-9"
S5	16'-3"	22'-6"	17'-6"	27'-9"

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			
STRINGER ELEVATION (51N) (1 OF 2)			
Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	J.P. HALSTEAD	Date	10/99
		Bridge Design Supervisor	J.P. HALSTEAD Date 10/99
PROJECT	BOLTON	PROJECT NO.	IM-089-2(29)
		Date	08/00
TVGA CAD Drawing No.	51nstrel	Bridge Sheet No.	BR51-14
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