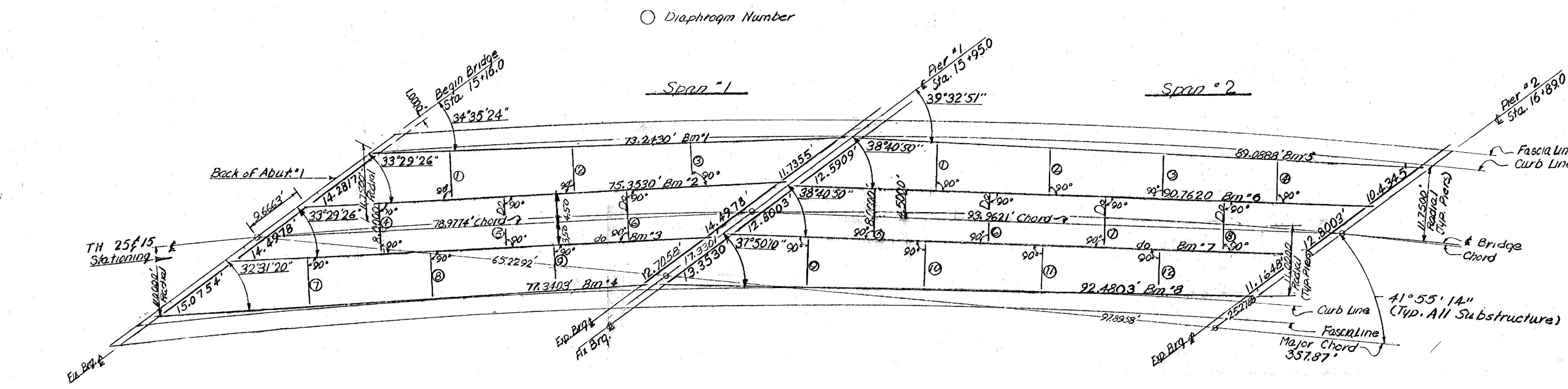


**GENERAL NOTES**

- For General Notes see Standard Sheet SCB-DI-65.
- Construct embankment within area of abutments to 6" above footing elevation, prior to driving piling. Excavation of this material to be paid as Structure Excavation, Item 109.
- The abutments and piers are parallel to each other.
- Superstructure details shall be as per SCB-24-65 except Span #3 (39' span) is to have 36 WF 135 beams. Modify the standard details so as to eliminate the approach slab bracket. Modify superstructure details to provide 3/4" per foot super-elevation. No scuppers are to be used on this bridge.
- Dimensions given at beams are horizontal dimensions from  $\epsilon$  bearing to  $\epsilon$  bearing.
- The two interior beams in each span are parallel to the minor chord.
- Dimensions given for diaphragms are horizontal dimensions from  $\epsilon$  beam to  $\epsilon$  beam.
- Minimum clearance from reinforcing steel to face of concrete shall be 3" in footings and 2" elsewhere, except where detailed otherwise.
- Water Repellent-Item 440 shall be applied to top of safety walks, fascia, and back to drip bead under the slab.

**INTERMEDIATE DIAPHRAGM DIMENSIONS**

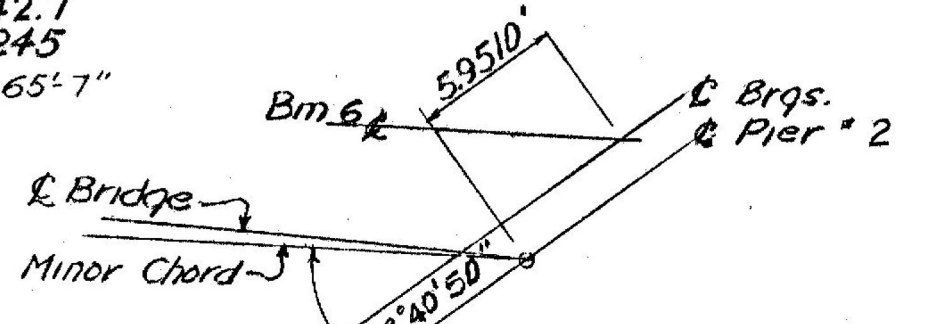
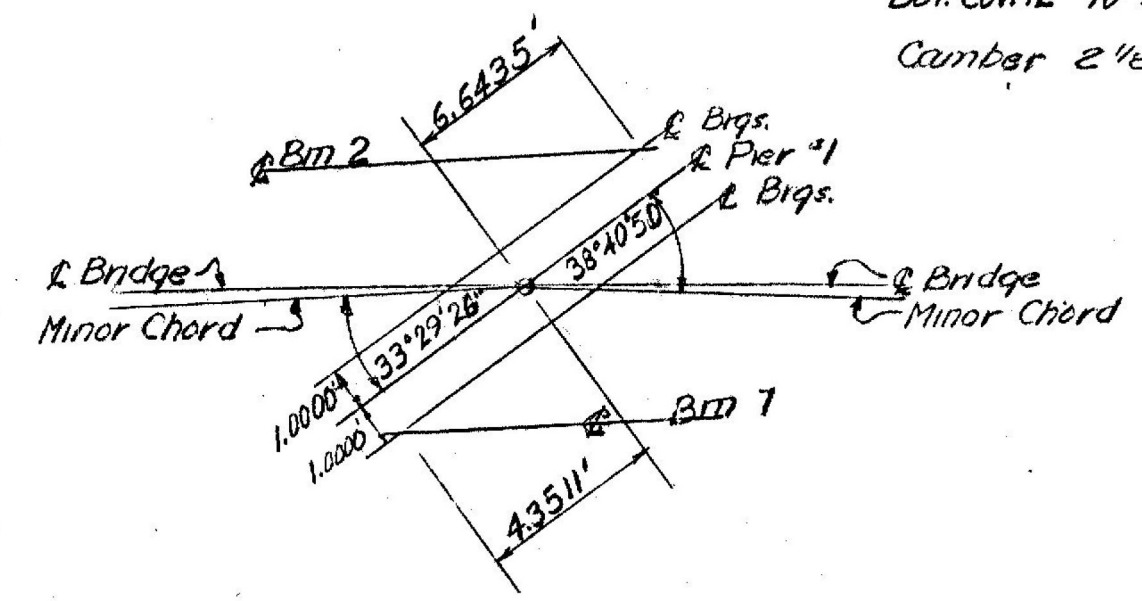
SPAN	DIAPH. NO.	DIAPHRAGM DIMENSIONS	
		LENGTH $\epsilon$ BM TO $\epsilon$ BM	$\epsilon$ BRG TO DIAPHRAGM ALONG $\epsilon$ BM
SPAN 1	1	7.6333	24.7929
	2	7.2720	43.6311
	3	6.9106	62.4692
	4	8.0000	12.7929
	5	8.0000	31.6312
	6	8.0000	50.4693
	7	7.8882	12.8837
	8	7.5695	31.7219
	9	7.2508	50.5601
SPAN 2	1	7.6873	23.1560
	2	7.3928	41.3085
	3	7.1181	59.4608
	4	5.8135	77.6134
	5	8.0000	13.1561
	6	8.0000	31.3086
	7	8.0000	49.4609
	8	7.9987	67.6135
	9	7.7282	13.1487
	10	7.4597	31.3011
	11	7.1912	49.4535
	12	7.1912	67.6058
SPAN 3	1	7.2200	22.3506
	2	8.0000	13.6840
	3	7.5350	22.3623
SPAN 4	1	7.5545	20.9477
	2	7.3560	38.1900
	3	7.1573	55.4322
	4	6.9583	72.6743
	5	8.0000	13.4478
	6	8.0000	30.6901
	7	8.0000	47.9323
	8	8.0000	65.1744
	9	7.8435	13.5365
	10	7.6510	30.7787
	11	7.4584	48.0210
	12	7.2658	65.2632
SPAN 5	1	7.3449	22.0602
	2	7.1721	40.8653
	3	8.0000	15.5602
	4	8.0000	34.3653
	5	7.6019	16.5500
	6	7.4105	34.3551



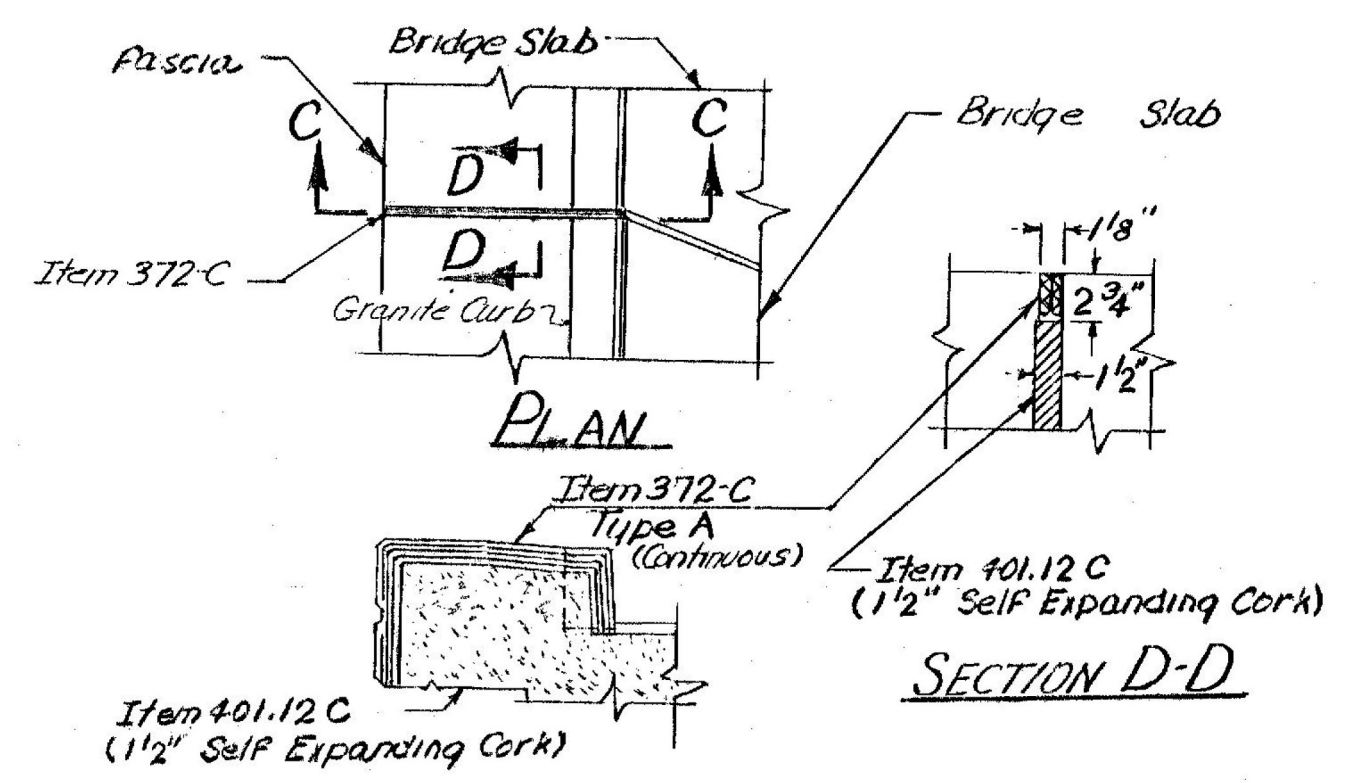
Span #1 - 79' Span  
Diaph. 18" L 42.7  
Beams 36 WF 194  
Bot. Cov. R 10" x 1/2" x 49' 10"  
Camber 2 1/8"

Span #2 - 24' Span  
Diaph. 18" L 42.7  
Beams 36 WF 245  
Bot. Cov. R 14" x 1/2" x 65' 7"  
Camber 4 1/8"

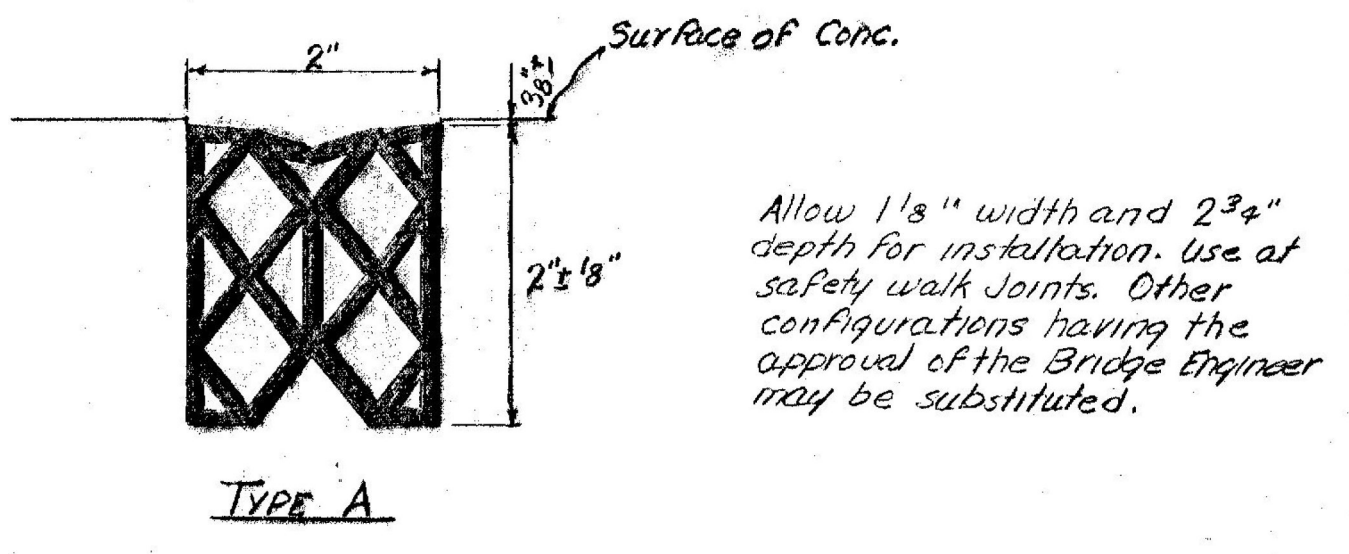
**FRAMING PLAN**  
1" = 10.0'



NOTE: For spans 3, 4 & 5 see sheet BR.205.



**CURB JOINT DETAIL**  
N.T.S.



**DETAILS - ITEM 372-C JOINT SEALER (PREFORMED)**  
Material shall be pre-moulded Neoprene Rubber. N.T.S.

**SUPERSTRUCTURE QUANTITIES**

ITEM NO.	ITEM	UNIT	SPAN #1	SPAN #2	FINAL
318	TAR EMULSION FOR BRIDGE FLOORS	GAL.	84	100	
361-B	BITUMINOUS CONCRETE PAVEMENT	TON	18	21	
	DENSE GRADED TOP AND BOTTOM COURSE				
372-C	JOINT SEALER (PREFORMED) (TYPE A)	L.F.	20	10	
401AA	CONC. CLASS AA	C.Y.	77	86	
402	REINF. STEEL	LBS.	16,860	19,460	
	ASPHALTIC-ARB. COATING	S.Y.			
403	SHEAR CONNECTORS (No. 3 STYLS)	L.S.	Reql	Reql	
404-A	STRUCTURAL STEEL	LBS.	77,900	121,820	
440	WATER REPELLENT	GAL.	9	11	
536C	GRANITE BRIDGE CURB	L.F.	185	187	
572	BRIDGE RAILING	L.F.	185	189	

RICHMOND-HIGHGATE  
IM BPNT(9)  
SHEET 24 OF 30  
BRIDGE 90  
FOR INFORMATION ONLY

**STATE OF VERMONT**  
DEPARTMENT OF HIGHWAYS

TOWN OF **ST. ALBANS - SWANTON**

ROAD NO. \_\_\_\_\_ BRIDGE NO. \_\_\_\_\_

**FRAMING PLAN**

TH #25#15 over I 89

SCALE 25 NOTED

SURVEYED BY \_\_\_\_\_

DRAWN BY **CRO** CHECKED BY **R.M. 10-21-15**

PROJECT NO. **I 89-3(36) Cont. 1**

SHEET **79** OF **278**