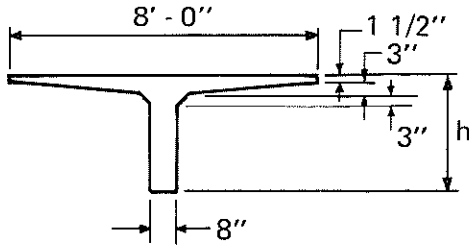


SINGLE TEE TYPE "B" LOAD TABLE

**8' - 0" Wide
Lightweight Concrete**



Section Properties							
Designation	h (in.)	A (in. ²)	I (in. ⁴)	y _b (in.)	Z _b (in. ³)	Z _t (in. ³)	wt (plf)
8LST24	24	474	21,540	18.06	1193	3626	379
8LST28	28	506	33,649	20.79	1619	4667	404
8LST32	32	538	49,329	23.44	2105	5763	430
8LST36	36	570	68,917	26.01	2650	6899	455

Table of Safe Superimposed Loads, Cambers and Deflections

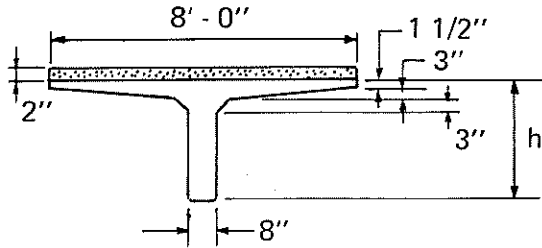
No Topping

Designation	No. Strand	e _e e _c	Span, ft.													
			64	66	68	70	72	74	76	78	80	82	84	86	88	
8LST24	12	5.06 14.81	58	52	46	41	36	32	28	24						
			2.75	2.65	2.50	2.30	2.01	1.59	1.11	0.56						
			2.87	2.90	2.91	2.90	2.86	2.80	2.72	2.61						
8LST28	14	5.93 17.29					65	58	53	48	43	38	34	30	26	
							3.03	2.94	2.82	2.64	2.41	2.11	1.69	1.21	0.66	
							3.26	3.29	3.31	3.31	3.29	3.25	3.19	3.11	3.00	

Designation	No. Strand	e _e e _c	Span, ft.													
			82	84	86	88	90	92	94	96	98	100	102	104	106	108
8LST32	16	6.44 19.69	63	57	52	47	43	39	35	31	28					
			3.09	2.96	2.79	2.57	2.29	1.94	1.49	0.99	0.42					
			3.63	3.65	3.65	3.64	3.61	3.56	3.50	3.41	3.30					
8LST36	18	7.12 22.01					66	61	56	51	47	42	39	35	31	28
							3.22	3.08	2.90	2.68	2.41	2.08	1.67	1.18	0.65	0.06
							3.95	3.97	3.97	3.96	3.94	3.90	3.84	3.76	3.66	3.54

Key

- 39 – Safe superimposed load, psf
- 1.94 – Anticipated initial camber, in. *long term*
- 3.56 – Deflection due to superimposed load shown, in.



Section Properties							
Designation	h (in.)	I (in. ⁴)	y _b (in.)	Z _b (in. ³)	Z _t (in. ³)	wt (plf)	
8LST24+2	24	28,886	20.27	1425	5041	579	
8LST28+2	28	44,109	23.29	1894	6574	604	
8LST32+2	32	63,745	26.23	2430	8204	630	
8LST36+2	36	88,260	29.09	3034	9906	655	

Table of Safe Superimposed Loads, Cambers and Deflections

2" N.W. Topping

Designation	No. Strand	e _e e _c	Span, ft.													
			50	52	54	56	58	60	62	64	66	68	70	72	74	
8LST 24+2	10	6.86 15.06	91*	79*	69*	60*	51	42	34	26						
			2.31	2.38	2.43	2.45	2.45	2.41	2.28	2.10						
			1.69	1.80	1.90	2.01	2.08	2.13	2.17	2.19						
8LST 28+2	12	7.46 17.54						82*	73*	65*	57	48	41	34	27	
									2.67	2.71	2.72	2.72	2.68	2.61	2.47	2.25
									2.13	2.23	2.34	2.43	2.48	2.52	2.55	2.57

Designation	No. Strand	e _e e _c	Span, ft.														
			70	72	74	76	78	80	82	84	86	88	90	92	94		
8LST 32+2	14	8.01 19.94	76*	68*	61	53	45	39	32	27							
			2.94	2.95	2.93	2.88	2.81	2.69	2.52	2.27							
			2.56	2.66	2.75	2.80	2.84	2.88	2.90	2.90							
8LST 36+2	16	8.76 22.26						78*	70*	63	56	49	42	36	31	26	
									3.17	3.16	3.13	3.07	2.99	2.87	2.71	2.47	2.18
									2.89	2.99	3.07	3.12	3.16	3.19	3.21	3.22	3.21

*Capacity governed by ultimate strength. Values below heavy line require release strengths higher than 3500 psi
 f_c = 5000 psi f_{pJ} = 270,000 psi