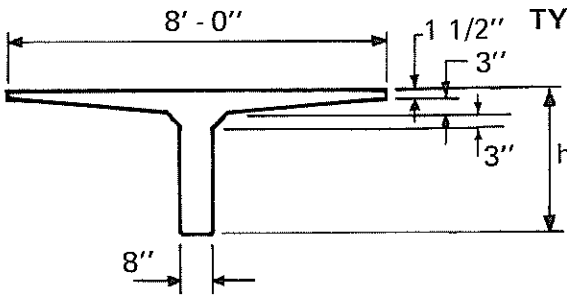


SINGLE TEE TYPE "B" LOAD TABLE

**8' - 0" Wide
Normal Weight Concrete**

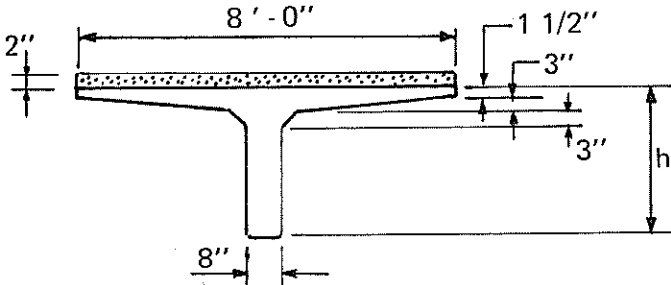


Section Properties							
Designation	h (in.)	A (in. ²)	I (in. ⁴)	y _b (in.)	Z _b (in. ³)	Z _t (in. ³)	wt (plf)
8ST24	24	474	21,540	18.06	1193	3626	494
8ST28	28	506	33,649	20.79	1619	4667	527
8ST32	32	538	49,329	23.44	2105	5763	560
8ST36	36	570	68,917	26.01	2650	6899	594

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		
8ST24	14	4.35	60	53	46	40	34	29						
			1.69	1.55	1.37	1.12	0.79	0.37						
			14.56	1.98	1.96	1.94	1.89	1.82	1.73					
8ST28	16	4.54 17.04							64	57	51	45	39	34
									1.69	1.55	1.36	1.13	0.82	0.44
									2.16	2.15	2.12	2.08	2.03	1.95
8ST32	18	5.44 19.44												
			80 82 84 86 88 90 92 94 96 98 100 102											
									67	60	54	48	43	38
						1.76	1.61	1.43	1.19	0.91	0.54	0.12		
						2.35	2.34	2.32	2.28	2.22	2.15	2.07		
8ST36	22	4.56 21.51												
			58 53 48 43 38											
			1.50 1.26 0.97 0.63 0.23											
2.80 2.77 2.71 2.65 2.56														

Key
 39 – Safe superimposed load, psf *long term*
 0.82 – Anticipated initial camber, in.
 2.03 – 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)
8ST24+2	24	27,042	19.72	1371	4306	694
8ST28+2	28	41,446	22.65	1830	5639	727
8ST32+2	32	60,027	25.51	2353	7070	760
8ST36+2	36	83,212	28.28	2942	8561	794

Table of Safe Superimposed Loads, Cambers and Deflections **2" Normal Weight Topping**

Designation	No. Strand	e _e e _c	Span, ft.															
			44	46	48	50	52	54	56	58	60	62	64	66	68	70		
8ST24+2	10	6.86 15.06	123*	106*	92*	79*	68*	57*	46	37	28							
			1.28	1.33	1.36	1.38	1.38	1.33	1.24	1.11	0.94							
			0.90	0.96	1.02	1.08	1.13	1.18	1.20	1.20	1.20							
8ST28+2	12	7.46 17.54							118*	104*	91*	80*	70*	61*	51	42	34	26
									1.47	1.51	1.53	1.54	1.52	1.49	1.39	1.26	1.09	0.89
									1.11	1.16	1.22	1.28	1.33	1.38	1.40	1.41	1.40	1.39
8ST32+2	14	8.01 19.94	60 62 64 66 68 70 72 74 76 78 80 82 84 86 88															
									113*	101*	90*	80*	71*	62*	54	45	37	30
									1.63	1.65	1.66	1.65	1.63	1.58	1.49	1.35	1.17	0.97
						1.31	1.37	1.42	1.47	1.52	1.57	1.59	1.59	1.59	1.58			
8ST36+2	16	8.76 22.26	109* 99* 89* 80* 71* 63* 55 47 39 33 26															
			1.78 1.79 1.78 1.76 1.71 1.65 1.55 1.39 1.21 0.99 0.75															
			1.51 1.57 1.62 1.67 1.71 1.76 1.77 1.77 1.76 1.75 1.72															

*Capacity governed by ultimate strength
 f_c = 5000 psi f_{pu} = 270,000 psi

Values below heavy line require release strengths higher than 3500 psi