

## AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals

6th Edition 2019

Sign Centroid	Allowable Sign Area (Ft <sup>2</sup> ) Per Single PSST Post*													
	Slip Base Not Allowed						Maximum 3 Slip Bases Allowed in 7' Span							
	FHWA Approved for: 2 Posts per Sign				1 Post per Sign		Slip Base Optional**		Slip Base Required					
	1 ½" x 12ga perf.	1 ¾" x 14ga perf.	1 ¾" x 12ga perf.	2" x 14ga perf.	2" x 12ga perf.	2 ½" x 14ga perf.	2 ½" x 12ga perf.	2 ¾" x 10ga perf.	2 ½" x 12ga perf.	2 ½" x 10ga perf.	2 ½" x 12ga perf.	2 ¾" x 10ga perf.	2 ¾" x 10ga perf.	3" x 8ga solid
16.5'	3.46	3.90	4.85	5.19	6.48	6.67	8.34	9.03	10.44	12.04	18.78	21.07	25.45	28.57
16'	3.57	4.02	5.00	5.36	6.68	6.88	8.60	9.31	10.76	12.41	19.36	21.73	26.24	29.46
15.5'	3.68	4.15	5.17	5.53	6.90	7.11	8.88	9.61	11.11	12.82	19.99	22.43	27.09	30.41
15'	3.81	4.29	5.34	5.71	7.13	7.34	9.17	9.93	11.48	13.24	20.65	23.18	27.99	31.43
14.5'	3.94	4.44	5.52	5.91	7.37	7.60	9.49	10.28	11.87	13.70	21.36	23.97	28.96	32.51
14'	4.08	4.59	5.72	6.12	7.64	7.87	9.83	10.64	12.30	14.19	22.13	24.83	29.99	33.67
13.5'	4.23	4.76	5.93	6.35	7.92	8.16	10.19	11.04	12.75	14.71	22.95	25.75	31.10	34.92
13'	4.39	4.95	6.16	6.59	8.22	8.47	10.59	11.46	13.24	15.28	23.83	26.74	32.30	36.26
12.5'	4.57	5.15	6.41	6.86	8.55	8.81	11.01	11.92	13.77	15.89	24.78	27.81	33.59	37.71
12'	4.76	5.36	6.67	7.14	8.91	9.18	11.47	12.42	14.35	16.55	25.82	28.97	34.99	39.28
11.5'	4.96	5.59	6.96	7.45	9.30	9.58	11.97	12.96	14.97	17.27	26.94	30.23	36.51	40.99
11'	5.19	5.85	7.28	7.79	9.72	10.01	12.51	13.54	15.65	18.06	28.16	31.60	38.17	42.85
10.5'	5.44	6.13	7.63	8.16	10.18	10.49	13.11	14.19	16.40	18.92	29.50	33.11	39.99	44.89
10'	5.71	6.43	8.01	8.57	10.69	11.01	13.76	14.90	17.22	19.86	30.98	34.76	41.99	47.14
9.5'	6.01	6.77	8.43	9.02	11.25	11.59	14.49	15.68	18.12	20.91	32.61	36.59	44.20	49.62
9'	6.34	7.15	8.90	9.52	11.88	12.24	15.29	16.55	19.13	22.07	34.42	38.63	46.65	52.38
8.5'	6.72	7.57	9.42	10.08	12.58	12.96	16.19	17.53	20.26	23.37	36.45	40.90	49.40	55.46
8'	7.14	8.04	10.01	10.71	13.36	13.77	17.20	18.62	21.52	24.83	38.72	43.45	52.48	58.92

\* Use a multiplier of 2 or 3 for 2 & 3 post installations.

\*\* Slip base required on 2 & 3 post installation.

REV. B 12/1/19

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16.5'	2.77	3.12	3.89	4.16	5.20	5.35	6.70	7.26	8.39	9.69	15.10	16.96	20.54	23.07	
16'	2.85	3.21	4.01	4.29	5.36	5.52	6.91	7.49	8.66	10.00	15.57	17.48	21.18	23.79	
15.5'	2.95	3.32	4.14	4.43	5.54	5.70	7.13	7.73	8.94	10.32	16.07	18.05	21.87	24.56	
15'	3.04	3.43	4.28	4.58	5.72	5.89	7.37	7.99	9.23	10.66	16.61	18.65	22.59	25.38	
14.5'	3.15	3.55	4.43	4.73	5.92	6.09	7.63	8.26	9.55	11.03	17.18	19.29	23.37	26.25	
14'	3.26	3.67	4.58	4.90	6.13	6.31	7.90	8.56	9.89	11.42	17.79	19.98	24.21	27.19	
13.5'	3.38	3.81	4.75	5.08	6.36	6.54	8.19	8.88	10.26	11.85	18.45	20.72	25.11	28.20	
13'	3.51	3.96	4.94	5.28	6.60	6.80	8.51	9.22	10.65	12.30	19.16	21.52	26.07	29.28	
12.5'	3.65	4.11	5.13	5.49	6.87	7.07	8.85	9.59	11.08	12.79	19.93	22.38	27.11	30.45	
12'	3.80	4.28	5.35	5.72	7.15	7.36	9.22	9.99	11.54	13.33	20.76	23.31	28.24	31.72	
11.5'	3.97	4.47	5.58	5.97	7.46	7.68	9.62	10.42	12.04	13.91	21.66	24.33	29.47	33.10	
11'	4.15	4.67	5.83	6.24	7.80	8.03	10.05	10.89	12.59	14.54	22.64	25.43	30.81	34.61	
10.5'	4.35	4.90	6.11	6.54	8.17	8.41	10.53	11.41	13.19	15.23	23.72	26.64	32.28	36.25	
10'	4.57	5.14	6.42	6.86	8.58	8.83	11.06	11.98	13.85	15.99	24.91	27.98	33.89	38.07	
9.5'	4.81	5.41	6.75	7.23	9.03	9.30	11.64	12.61	14.58	16.83	26.22	29.45	35.68	40.07	
9'	5.07	5.71	7.13	7.63	9.54	9.82	12.29	13.31	15.39	17.77	27.68	31.08	37.66	42.30	
8.5'	5.37	6.05	7.55	8.08	10.10	10.39	13.01	14.10	16.29	18.81	29.30	32.91	39.87	44.78	
8'	5.71	6.43	8.02	8.58	10.73	11.04	13.82	14.98	17.31	19.99	31.14	34.97	42.37	47.58	

\* Use a multiplier of 2 or 3 for 2 & 3 post installations.

\*\* Slip base required on 2 & 3 post installation.

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16.5'	2.25	2.54	3.18	3.40	4.26	4.38	5.49	5.96	6.88	7.96	12.37	13.91	16.91	19.00	
16'	2.33	2.62	3.28	3.50	4.39	4.51	5.66	6.14	7.10	8.21	12.76	14.35	17.44	19.60	
15.5'	2.40	2.70	3.38	3.61	4.53	4.66	5.85	6.34	7.33	8.47	13.17	14.81	18.00	20.23	
15'	2.48	2.79	3.49	3.73	4.68	4.81	6.04	6.55	7.57	8.75	13.61	15.30	18.60	20.90	
14.5'	2.57	2.89	3.61	3.86	4.84	4.98	6.25	6.78	7.83	9.05	14.08	15.83	19.24	21.62	
14'	2.66	2.99	3.74	4.00	5.02	5.16	6.47	7.02	8.11	9.38	14.58	16.40	19.93	22.40	
13.5'	2.76	3.10	3.88	4.15	5.20	5.35	6.71	7.28	8.41	9.72	15.12	17.00	20.67	23.22	
13'	2.86	3.22	4.03	4.31	5.40	5.55	6.97	7.56	8.74	10.10	15.71	17.66	21.46	24.12	
12.5'	2.98	3.35	4.19	4.48	5.62	5.78	7.25	7.86	9.09	10.50	16.33	18.36	22.32	25.08	
12'	3.10	3.49	4.37	4.67	5.85	6.02	7.55	8.19	9.46	10.94	17.01	19.13	23.25	26.13	
11.5'	3.23	3.64	4.56	4.87	6.11	6.28	7.88	8.54	9.88	11.42	17.75	19.96	24.26	27.26	
11'	3.38	3.81	4.76	5.09	6.38	6.56	8.24	8.93	10.32	11.93	18.56	20.87	25.37	28.50	
10.5'	3.54	3.99	4.99	5.34	6.69	6.88	8.63	9.36	10.82	12.50	19.45	21.86	26.57	29.86	
10'	3.72	4.19	5.24	5.60	7.02	7.22	9.06	9.83	11.36	13.13	20.42	22.95	27.90	31.35	
9.5'	3.92	4.41	5.52	5.90	7.39	7.60	9.54	10.34	11.96	13.82	21.49	24.16	29.37	33.00	
9'	4.13	4.65	5.82	6.22	7.80	8.02	10.07	10.92	12.62	14.59	22.69	25.50	31.00	34.84	
8.5'	4.38	4.93	6.17	6.59	8.26	8.49	10.66	11.56	13.36	15.45	24.02	27.01	32.83	36.89	
8'	4.65	5.23	6.55	7.00	8.78	9.03	11.33	12.28	14.20	16.41	25.52	28.69	34.88	39.19	

\* Use a multiplier of 2 or 3 for 2 & 3 post installations.

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16.5'	1.86	2.10	2.63	2.81	3.54	3.63	4.57	4.96	5.73	6.64	10.30	11.60	14.15	15.91
16'	1.92	2.16	2.72	2.90	3.65	3.75	4.71	5.12	5.91	6.84	10.63	11.96	14.59	16.40
15.5'	1.99	2.23	2.80	2.99	3.76	3.87	4.86	5.28	6.10	7.06	10.97	12.35	15.06	16.93
15'	2.05	2.31	2.90	3.09	3.89	4.00	5.03	5.46	6.31	7.30	11.33	12.76	15.57	17.50
14.5'	2.12	2.39	3.00	3.20	4.02	4.13	5.20	5.64	6.53	7.55	11.73	13.20	16.10	18.10
14'	2.20	2.47	3.11	3.32	4.17	4.28	5.39	5.85	6.76	7.82	12.14	13.67	16.68	18.75
13.5'	2.28	2.56	3.22	3.44	4.32	4.44	5.58	6.06	7.01	8.11	12.59	14.17	17.30	19.44
13'	2.37	2.66	3.34	3.57	4.49	4.61	5.80	6.30	7.28	8.42	13.08	14.72	17.96	20.19
12.5'	2.46	2.77	3.48	3.71	4.67	4.80	6.03	6.55	7.57	8.76	13.60	15.31	18.68	21.00
12'	2.56	2.88	3.62	3.87	4.86	5.00	6.28	6.82	7.88	9.12	14.17	15.95	19.46	21.87
11.5'	2.68	3.01	3.78	4.04	5.07	5.21	6.56	7.12	8.23	9.52	14.78	16.64	20.30	22.82
11'	2.80	3.15	3.95	4.22	5.30	5.45	6.85	7.44	8.60	9.95	15.46	17.40	21.23	23.86
10.5'	2.93	3.30	4.14	4.42	5.56	5.71	7.18	7.80	9.01	10.43	16.19	18.22	22.24	25.00
10'	3.08	3.46	4.35	4.64	5.83	5.99	7.54	8.19	9.46	10.95	17.00	19.14	23.35	26.25
9.5'	3.24	3.64	4.58	4.89	6.14	6.31	7.94	8.62	9.96	11.53	17.90	20.14	24.58	27.63
9'	3.42	3.85	4.83	5.16	6.48	6.66	8.38	9.09	10.51	12.17	18.89	21.26	25.94	29.16
8.5'	3.62	4.07	5.11	5.46	6.86	7.05	8.87	9.63	11.13	12.88	20.00	22.51	27.47	30.88
8'	3.85	4.33	5.43	5.80	7.29	7.49	9.42	10.23	11.83	13.69	21.25	23.92	29.19	32.81

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