

Windload Coordinates for PSST at 90 MPH

WINDLOAD COORDINATES FOR PSST AT 90 MPH

(AASHTO Standard Specifications for Structural supports for - Highway Signs, Luminaires and Traffic Signals. 6th Edition 2019)

Sign Centroid (ft)	Allowable Sign Area (Ft ²) Per Single 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				
	1½" x 12 ga perf.	1¾" x 14 ga perf.	1¾" x 12 ga perf.	2" x 14 ga perf.	2" x 12 ga perf.	2¼" x 14 ga perf.	2¼" x 12 ga. Perf."	2¾" x 10 ga perf."	2½" x 12 ga perf.	2½" x 10 ga perf.	2¼" x 12 ga 2½" x 12 ga perf.	2¾" x 10 ga 2½" x 10 ga perf.	3" x 8 ga solid	3" x 7 ga 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	13.7w7	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	31.6	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 2/4/2021



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Windload Coordinates for PSST at 100 MPH

WINDLOAD COORDINATES FOR PSST AT 100 MPH

(AASHTO Standard Specifications for Structural supports for - Highway Signs, Luminaires and Traffic Signals. 6th Edition 2019)

Sign Centroid (ft)	Allowable Sign Area (Ft ²) Per Single Post*														
	(ft)								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				
	1½" x 12 ga perf.	1¾" x 14 ga perf.	1¾" x 12 ga perf.	2" x 14 ga perf.	2" x 12 ga perf.	2¼" x 14 ga perf.	2¼" x 12 ga Perf.	2¾" x 10 ga perf."	2½" x 12 ga perf.	2½" x 10 ga perf.	2¼" x 12 ga 2½" x 12 ga perf.	2¾" x 10 ga 2½" x 10 ga perf.	3" x 8 ga solid	3" x 7 ga solid	
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.

REV. B 2/4/2021



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Windload Coordinates for PSST at 110 MPH

WINDLOAD COORDINATES FOR PSST AT 110 MPH

(AASHTO Standard Specifications for Structural supports for - Highway Signs, Luminares and Traffic Signals. 6th Edition 2019)

Sign Centroid (ft)	Allowable Sign Area (Ft ²) Per Single Post*													
	(ft)						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					
	1½" x 12 ga perf.	1¾" x 14 ga perf.	1¾" x 12 ga perf.	2" x 14 ga perf.	2" x 12 ga perf.	2¼" x 14 ga perf.	2¼" x 12 ga. Perf.*	2¾" x 10 ga perf."	2½" x 12 ga perf.	2½" x 10 ga perf.	2¼" x 12 ga 2½" x 12 ga perf.	2¾" x 10 ga 2½" x 10 ga perf.	3" x 8 ga solid	3" x 7 ga solid
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.
** Slip base required on 2 & 3 post installation.

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Windload Coordinates for PSST at 120 MPH

WINDLOAD COORDINATES FOR PSST AT 120 MPH

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Sign Centroid (ft)	Allowable Sign Area (Ft ²) Per Single Post*													
	(ft)						Maximum 3 Slip Bases Allowed In 7' Span							
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	1½" x 12 ga perf.	1¾" x 14 ga perf.	1¾" x 12 ga perf.	2" x 14 ga perf.	2" x 12 ga perf.	2¼" x 14 ga perf.	2¼" x 12 ga Perf.	2¾" x 10 ga perf."	2½" x 12 ga perf.	2½" x 10 ga perf.	2¼" x 12 ga 2½" x 12 ga perf.	2¾" x 10 ga 2½" x 10 ga perf.	3" x 8 ga solid	3" x 7 ga solid
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

*Use a multiplier of 2 or 3 for 2 & 3 post installations.
** Slip base required on 2 & 3 post installation.

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