

DESIGN TABLE FOR WOODEN SUPPORTS

Size of post	H (FT)	Maximum area (Total of sign panels) (ft ²)		
		Single-post**	Two-posts	Three-posts
4"x 4"	8.0	7	13	20
	8.5	6	13	19
	9.0	6	12	18
	9.5	6	11	17
	10.0	5	11	16
	10.5	5	10	15
	11.0	5	10	15
	11.5	5	9	14
	12.0	4	9	13

** For a single 4x4 post (construction sign installation only) the maximum total sign panel can be increased to 16 square feet provided:

1. The maximum clearance between the ground level and bottom of the sign panel does not exceed 7'-6" while maintaining a 7'-0" minimum mounting height between the bottom of the sign and the top of the pavement at the edge of the pavement.
2. Contractor supplies Department with materials certification for wood posts to ensure conformance with Section 236.02(a) of the Road & Bridge Specifications.

DESIGN TABLE FOR WOODEN SUPPORTS

Size of post	H (ft)	Maximum area (Total of sign panels) (ft ²)		
		Single-post	Two-posts	Three-posts
4"x 6" (*)	8.0	18	37	55
	8.5	17	35	52
	9.0	16	33	49
	9.5	15	31	46
	10.0	15	29	44
	10.5	14	28	42
	11.0	13	27	40
	11.5	13	26	38
	12.0	12	25	37
5"x 5"	8.0	15	31	46
	8.5	14	29	43
	9.0	14	27	41
	9.5	13	26	39
	10.0	12	24	37
	10.5	12	23	35
	11.0	11	22	33
	11.5	11	21	32
	12.0	10	20	31

DESIGN TABLE FOR WOODEN SUPPORTS

Size of post	H (ft)	Maximum area (Total of sign panels) (ft ²)		
		Single-post	Two-posts	Three-posts
6"x 6"	8.0	29	58	87
	8.5	27	54	82
	9.0	26	51	77
	9.5	24	49	73
	10.0	23	46	69
	10.5	22	44	66
	11.0	21	42	63
	11.5	20	40	60
	12.0	19	39	58
	12.5	19	37	56
6"x 8" (*)	13.0	18	36	53
	8.0	52	103	155
	8.5	49	97	146
	9.0	46	92	138
	9.5	44	87	131
	10.0	41	83	124
	10.5	39	79	118
	11.0	38	75	113
	11.5	36	72	108
	12.0	34	69	103
6"x 8" (*)	12.5	33	66	99
	13.0	32	64	95
	13.5	31	61	92
	14.0	22	44	66
	14.5	21	42	63

(*) Larger dimension in direction of (parallel to) traffic.

DETAILS FOR CALCULATING SIZE OF WOOD POSTS FOR CONSTRUCTION & PERMANENT SIGNS INSTALLED AT 7'-0" MINIMUM MOUNTING HEIGHTS ON LEVEL GROUND