

AASHTO Standard Specifications

for Structural Sign Supports, Luminaires, and Traffic Signals

6th Edition 2013

Single Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)							
	4'	5'	6'	7'	8'	9'	10'	
14'	18	15						
13'	19	16	13					
12'	20	17	14					
11'	21	18	15					
10'	23	19	17	15				
9'	25	21	18	16	14			
8'	27	23	20	18	16	14		
7'	28	25	22	20	18	16	15	
6'	28	28	25	22	20	18	17	
5'	28	28	28	25	23	21	19	
4'	28	28	28	28	26	24	23	
3'	28	28	28	28	28	28	27	
2'	28	28	28	28	28	28	28	
1'	28	28	28	28	28	28	28	

Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)													
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'		
14'	23													
13'	28													
12'	28	28												
11'	28	28	23											
10'	28	28	28	24										
9'	28	28	28	28	25	17								
8'	28	28	28	28	27	25	23	17						
7'	28	28	28	28	28	27	25	24	22	21				
6'	28	28	28	28	28	28	28	26	25	23	22	21		
5'	28	28	28	28	28	28	28	28	28	26	25	24		
4'	28	28	28	28	28	28	28	28	28	28	28	28	27	
3'	28	28	28	28	28	28	28	28	28	28	28	28	28	
2'	28	28	28	28	28	28	28	28	28	28	28	28	28	
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	

Three Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)														
	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'
14'															
13'															
12'															
11'															
10'	26	17													
9'	28	26	23												
8'	28	28	27	25	24	22	17								
7'	28	28	28	28	26	25	24	23	22	21	17				
6'	28	28	28	28	28	28	27	26	25	24	23	22	21	21	
5'	28	28	28	28	28	28	28	28	28	27	26	25	24	23	23
4'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
3'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
2'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

NOTES:

1. Maximum sign width of single post sign is 10 ft.
2. Shaded area values show the maximum sign centroid allowed.
3. Find allowable post assemblies from shaded areas in charts.
4. The information on these charts is resulting from the MASSH-400 methodology identified as FEI#18179.

4" x 8ga

55 ksi min. yield due to cold forming

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9'	22	19	16	13	12			
8'	24	21	17	15	13	12		
7'	26	22	19	17	15	13	12	
6'	28	25	21	19	17	15	14	
5'	28	28	24	22	20	18	16	
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3'	28	28	28	28	27	25	24	
2'	28	28	28	28	28	28	28	
1'	28	28	28	28	28	28	28	

Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)														
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'			
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9'	28	28	26	22											
8'	28	28	28	26	23	17									
7'	28	28	28	28	25	23	21	19							
6'	28	28	28	28	28	26	24	22	21	20	18				
5'	28	28	28	28	28	28	27	25	24	22	21	20			
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2'	28	28	28	28	28	28	28	28	28	28	28	28			
1'	28	28	28	28	28	28	28	28	28	28	28	28			

Three Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)																
	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	
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4'	28	28	28	28	28	28	28	28	28	27	26	25	24	24	23	22	
3'	28	28	28	28	28	28	28	28	28	28	28	28	28	27	27		
2'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		

NOTES:

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8'	21	17	15	14	11			
7'	23	19	17	14	12	11		
6'	25	21	18	16	14	13	11	
5'	28	24	21	19	17	15	13	
4'	28	28	24	22	20	18	17	
3'	28	28	28	26	24	22	20	
2'	28	28	28	28	28	28	26	
1'	28	28	28	28	28	28	28	

Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)													
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'		
14'														
13'														
12'														
11'	27													
10'	28	20												
9'	28	26	20											
8'	28	28	25	22										
7'	28	28	27	24	22	20								
6'	28	28	28	26	24	22	21	19	18					
5'	28	28	28	28	27	25	23	22	20	19	18	17		
4'	28	28	28	28	28	28	27	25	24	22	21	20		
3'	28	28	28	28	28	28	28	28	28	27	26	24		
2'	28	28	28	28	28	28	28	28	28	28	28	28	28	
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	28

Three Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)															
	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'
14'																
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8'	24	23	17													
7'	26	25	23	22	20											
6'	28	27	25	24	23	21	20	19	18	17						
5'	28	28	28	27	25	24	23	22	21	20	19	19	18	17	17	16
4'	28	28	28	28	28	28	26	25	24	23	23	22	21	20	20	19
3'	28	28	28	28	28	28	28	28	28	28	27	26	25	25	24	23
2'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

NOTES:

1. Maximum sign width of single post sign is 10 ft.
2. Shaded area values show the maximum sign centroid allowed.
3. Find allowable post assemblies from shaded areas in charts.
4. The information on these charts is resulting from the MASSH-400 methodology identified as FEI#18179.

4" x 8ga

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11'	14							
10'	15	12						
9'	17	13	11					
8'	18	15	12					
7'	20	17	14	12	10			
6'	22	19	16	14	12	11	10	
5'	25	21	18	16	14	13	11	
4'	28	24	21	19	17	16	14	
3'	28	28	25	23	21	19	18	
2'	28	28	28	28	27	25	23	
1'	28	28	28	28	28	28	28	

Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)														
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'			
14'															
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9'	27	22													
8'	28	25	22												
7'	28	27	24	21	17										
6'	28	28	26	23	21	19	18								
5'	28	28	28	26	24	22	20	19	18	17	16				
4'	28	28	28	28	27	25	23	22	21	20	19	18			
3'	28	28	28	28	28	28	28	26	25	24	22	21			
2'	28	28	28	28	28	28	28	28	28	28	28	28	27	26	
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	

Three Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)															
	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'
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6'	25	24	22	21	20	19	18									
5'	28	26	25	23	22	21	20	19	18	17	16					
4'	28	28	28	27	25	24	23	22	21	21	20	19	18	18	17	17
3'	28	28	28	28	28	28	27	26	25	25	24	23	22	22	21	20
2'	28	28	28	28	28	28	28	28	28	28	28	28	28	27	27	26
1'	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

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9'	15	11						
8'	16	12	10					
7'	18	14	12	10				
6'	20	16	14	12	10			
5'	22	19	16	14	12	11	10	
4'	25	22	19	17	15	13	12	
3'	28	25	23	20	19	17	16	
2'	28	28	28	26	24	22	21	
1'	28	28	28	28	28	28	28	

Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)														
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'			
14'															
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8'	25	20													
7'	26	23	21												
6'	28	25	23	21	19										
5'	28	28	25	23	21	19	18	17	16						
4'	28	28	28	26	24	22	21	20	18	17	16	15			
3'	28	28	28	28	28	26	25	23	22	21	20	19			
2'	28	28	28	28	28	28	28	28	27	26	25	24			
1'	28	28	28	28	28	28	28	28	28	28	28	28			

Three Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)															
	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'
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7'	20	16														
6'	23	21	19	18	16											
5'	25	23	22	21	20	19	18	17	16							
4'	28	26	25	24	23	22	21	20	19	18	17	16	15	15	14	
3'	28	28	28	28	26	25	24	23	23	22	21	20	20	19	19	18
2'	28	28	28	28	28	28	28	28	28	27	26	26	25	24	24	23
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8'	13	11					
7'	14	12	10				
6'	16	14	11	10			
5'	18	16	13	12	10	9	
4'	21	18	16	14	13	12	10
3'	25	22	20	18	16	14	13
2'	28	27	25	23	21	19	18
1'	28	28	28	28	28	28	27

Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)													
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'		
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7'	23	20												
6'	25	22	20	18										
5'	27	24	22	20	18	17	15							
4'	28	27	25	23	21	19	18	17	16	15	14			
3'	28	28	28	26	25	23	22	20	19	18	17	17		
2'	28	28	28	28	28	28	27	26	25	24	23	22		
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Three Post (max. centroid heights in feet)

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4'	25	23	22	21	20	19	18	17	16	15	14	14	13			
3'	28	27	26	25	24	23	22	21	20	19	19	18	17	17	16	16
2'	28	28	28	28	28	28	27	26	25	24	24	23	22	22	21	21
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4'	19	16	14	12	11	10	9	
3'	22	20	18	16	14	13	11	
2'	27	24	22	20	19	17	16	
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Two Post (max. centroid heights in feet)

Sign Height (Ft.)	Sign Width (Ft.)														
	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'			
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9'															
8'															
7'	21														
6'	23	20	18												
5'	25	22	20	18	16										
4'	27	25	22	21	19	18	16	15	14	12					
3'	28	28	26	24	22	21	20	18	17	16	15	15			
2'	28	28	28	28	27	26	24	23	22	21	20	19			
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2'	28	28	28	27	26	25	24	23	23	22	21	21	20	20	19	19	
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