

I-Beam Post Selection Tables

Post Selection Instructions

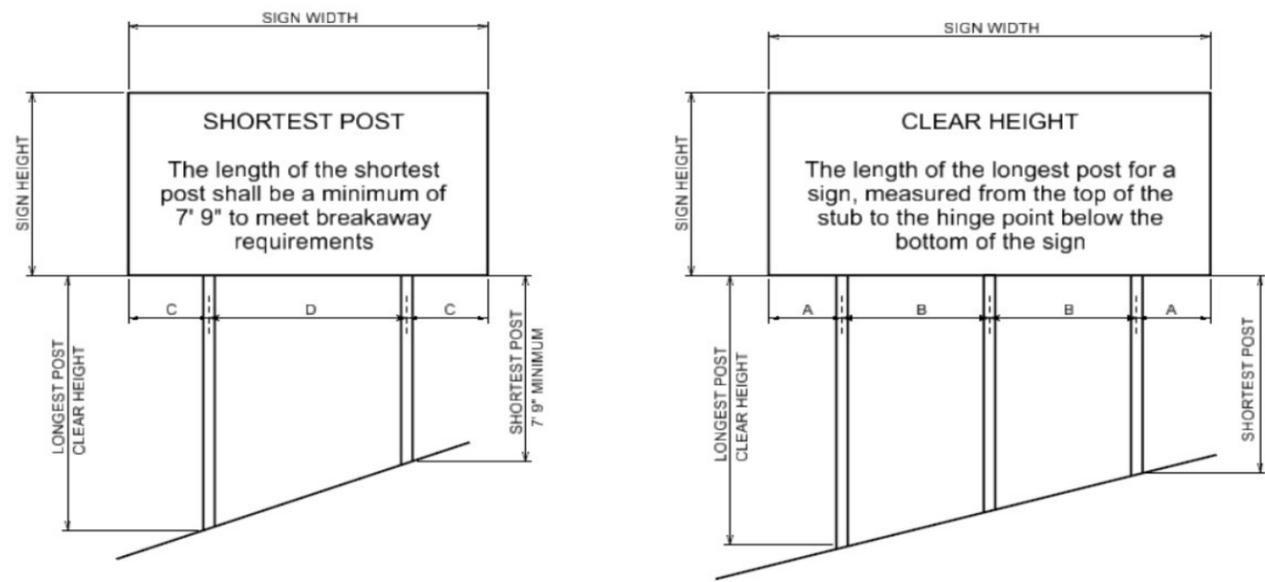
- 1- Determine Width and Height of the sign being installed
 - 2 - The sign location needs to be inspected to determine the length of the posts needed to support the sign with the proper offset and mounting height
 - 3 - Identify the length of the longest post that will support the sign, this is the CLEAR HEIGHT measurement that is required to select the appropriate set of post tables to use
- USING THE CORRECT CLEAR HEIGHT TABLES IS CRITICAL TO PROPER POST SELECTION -
 - 4 - Locate the appropriate set of Clear Height Tables in this document for the installation
 - 5 - Locate the Sign Width table within the proper Clear Height table
 - 6 - Locate the Sign Height within the appropriate Sign Width table
 - 7 - Identify the Post Size and Post Spacing from the appropriate Sign Width / Sign Height row in the table
- Sign sizes with dimensions in the "C" and "D" post spacing columns are Two Post Installations
 - Sign sizes with dimensions in the "A" and "B" post spacing columns are Three Post Installations

I-Beam Post Notes:

- For multiple signs installed on one set of posts, use overall sign height and sign width of the combined sign assembly to choose the correct post size
- Include exit number panels in the sign height
- For signs in 6" increments, round up to the next full foot in the table
- Use post spacings in table to meet MoDOT standards for I-Beam Post installations
- See Standard Plan 903.03 for I-Beam installation details and standards

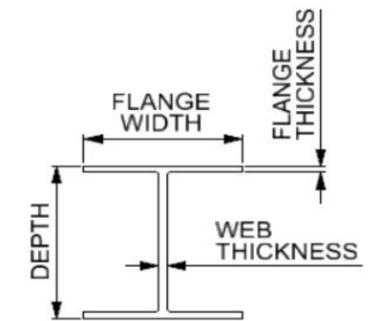
Clear Height Ranges in these Tables

- Up to 12 feet
- Greater than 12 feet up to 16 feet
- Greater than 16 feet up to 24 feet



Two Post Installation Post Spacing
 Three Post Installation Post Spacing

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
17	3	2	#1	3' 5"	10' 2"	-	-
17	4	2	#1	3' 5"	10' 2"	-	-
17	5	2	#2	3' 5"	10' 2"	-	-
17	6	2	#2	3' 5"	10' 2"	-	-
17	7	2	#2	3' 5"	10' 2"	-	-
17	8	2	#3	3' 5"	10' 2"	-	-
17	9	2	#3	3' 5"	10' 2"	-	-
17	10	2	#4	3' 5"	10' 2"	-	-
17	11	2	#4	3' 5"	10' 2"	-	-
17	12	2	#4	3' 5"	10' 2"	-	-
17	13	2	#5	3' 5"	10' 2"	-	-
17	14	2	#5	3' 5"	10' 2"	-	-
17	15	2	#6	3' 5"	10' 2"	-	-
17	16	2	#6	3' 5"	10' 2"	-	-
17	17	2	#6	3' 5"	10' 2"	-	-
17	18	3	#6	-	-	1' 6"	7' 0"
17	19	3	#6	-	-	1' 6"	7' 0"
17	20	3	#6	-	-	1' 6"	7' 0"



POST DESIGN	NOM. SIZE (in.) (lbs/ft)	DEPTH (in.)	FLANGE		WEB THICK (in.)
			WIDTH (in.)	THICK (in.)	
#1	W6x9	5 7/8	4	3/16	3/16
#2	W6x15	6	6	1/4	1/4
#3	W8x18	8 1/8	5 1/4	5/16	1/4
#4	W10x22	10 1/8	5 3/4	3/8	1/4
#5	W10x26	10 3/8	5 3/4	7/16	1/4
#6	W12x35	12 1/4	6 1/2	3/8	1/4

Clear Heights - Up to 12 Feet

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
7	3	2	#1	1' 5"	4' 2"	-	-
7	4	2	#1	1' 5"	4' 2"	-	-
7	5	2	#1	1' 5"	4' 2"	-	-
7	6	2	#1	1' 5"	4' 2"	-	-
7	7	2	#1	1' 5"	4' 2"	-	-
7	8	2	#2	1' 5"	4' 2"	-	-
7	9	2	#2	1' 5"	4' 2"	-	-
7	10	2	#2	1' 5"	4' 2"	-	-
7	11	2	#2	1' 5"	4' 2"	-	-
7	12	2	#2	1' 5"	4' 2"	-	-
7	13	2	#2	1' 5"	4' 2"	-	-
7	14						
7	15						
7	16						
7	17						
7	18						
7	19						
7	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
8	3	2	#1	1' 7"	4' 10"	-	-
8	4	2	#1	1' 7"	4' 10"	-	-
8	5	2	#1	1' 7"	4' 10"	-	-
8	6	2	#1	1' 7"	4' 10"	-	-
8	7	2	#1	1' 7"	4' 10"	-	-
8	8	2	#2	1' 7"	4' 10"	-	-
8	9	2	#2	1' 7"	4' 10"	-	-
8	10	2	#2	1' 7"	4' 10"	-	-
8	11	2	#2	1' 7"	4' 10"	-	-
8	12	2	#2	1' 7"	4' 10"	-	-
8	13	2	#2	1' 7"	4' 10"	-	-
8	14						
8	15						
8	16						
8	17						
8	18						
8	19						
8	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
9	3	2	#1	1' 10"	5' 4"	-	-
9	4	2	#1	1' 10"	5' 4"	-	-
9	5	2	#1	1' 10"	5' 4"	-	-
9	6	2	#1	1' 10"	5' 4"	-	-
9	7	2	#1	1' 10"	5' 4"	-	-
9	8	2	#2	1' 10"	5' 4"	-	-
9	9	2	#2	1' 10"	5' 4"	-	-
9	10	2	#2	1' 10"	5' 4"	-	-
9	11	2	#2	1' 10"	5' 4"	-	-
9	12	2	#2	1' 10"	5' 4"	-	-
9	13						
9	14						
9	15						
9	16						
9	17						
9	18						
9	19						
9	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
10	3	2	#1	2' 0"	6' 0"	-	-
10	4	2	#1	2' 0"	6' 0"	-	-
10	5	2	#1	2' 0"	6' 0"	-	-
10	6	2	#1	2' 0"	6' 0"	-	-
10	7	2	#2	2' 0"	6' 0"	-	-
10	8	2	#2	2' 0"	6' 0"	-	-
10	9	2	#2	2' 0"	6' 0"	-	-
10	10	2	#2	2' 0"	6' 0"	-	-
10	11	2	#2	2' 0"	6' 0"	-	-
10	12	2	#3	1' 6"	7' 0"	-	-
10	13	2	#4	1' 6"	7' 0"	-	-
10	14	2	#4	1' 6"	7' 0"	-	-
10	15	2	#4	1' 6"	7' 0"	-	-
10	16	2	#4	1' 6"	7' 0"	-	-
10	17	2	#5	1' 6"	7' 0"	-	-
10	18	2	#5	1' 6"	7' 0"	-	-
10	19	2	#5	1' 6"	7' 0"	-	-
10	20	2	#6	1' 6"	7' 0"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
11	3	2	#1	2' 2"	6' 8"	-	-
11	4	2	#1	2' 2"	6' 8"	-	-
11	5	2	#1	2' 2"	6' 8"	-	-
11	6	2	#1	2' 2"	6' 8"	-	-
11	7	2	#2	2' 2"	6' 8"	-	-
11	8	2	#2	2' 2"	6' 8"	-	-
11	9	2	#2	2' 2"	6' 8"	-	-
11	10	2	#2	2' 2"	6' 8"	-	-
11	11	2	#3	2' 0"	7' 0"	-	-
11	12	2	#3	2' 0"	7' 0"	-	-
11	13	2	#4	2' 0"	7' 0"	-	-
11	14	2	#4	2' 0"	7' 0"	-	-
11	15	2	#4	2' 0"	7' 0"	-	-
11	16	2	#4	2' 0"	7' 0"	-	-
11	17	2	#5	2' 0"	7' 0"	-	-
11	18	2	#5	2' 0"	7' 0"	-	-
11	19	2	#5	2' 0"	7' 0"	-	-
11	20	2	#6	2' 0"	7' 0"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
12	3	2	#1	2' 5"	7' 2"	-	-
12	4	2	#1	2' 5"	7' 2"	-	-
12	5	2	#1	2' 5"	7' 2"	-	-
12	6	2	#1	2' 5"	7' 2"	-	-
12	7	2	#2	2' 5"	7' 2"	-	-
12	8	2	#2	2' 5"	7' 2"	-	-
12	9	2	#2	2' 5"	7' 2"	-	-
12	10	2	#3	2' 5"	7' 2"	-	-
12	11	2	#3	2' 5"	7' 2"	-	-
12	12	2	#3	2' 5"	7' 2"	-	-
12	13	2	#4	2' 5"	7' 2"	-	-
12	14	2	#4	2' 5"	7' 2"	-	-
12	15	2	#4	2' 5"	7' 2"	-	-
12	16	2	#4	2' 5"	7' 2"	-	-
12	17	2	#5	2' 5"	7' 2"	-	-
12	18	2	#5	2' 5"	7' 2"	-	-
12	19	2	#5	2' 5"	7' 2"	-	-
12	20	2	#6	2' 5"	7' 2"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
13	3	2	#1	2' 7"	7' 10"	-	-
13	4	2	#1	2' 7"	7' 10"	-	-
13	5	2	#1	2' 7"	7' 10"	-	-
13	6	2	#2	2' 7"	7' 10"	-	-
13	7	2	#2	2' 7"	7' 10"	-	-
13	8	2	#2	2' 7"	7' 10"	-	-
13	9	2	#2	2' 7"	7' 10"	-	-
13	10	2	#3	2' 7"	7' 10"	-	-
13	11	2	#3	2' 7"	7' 10"	-	-
13	12	2	#4	2' 7"	7' 10"	-	-
13	13	2	#4	2' 7"	7' 10"	-	-
13	14	2	#4	2' 7"	7' 10"	-	-
13	15	2	#4	2' 7"	7' 10"	-	-
13	16	2	#5	2' 7"	7' 10"	-	-
13	17	2	#5	2' 7"	7' 10"	-	-
13	18	2	#5	2' 7"	7' 10"	-	-
13	19	2	#6	2' 7"	7' 10"	-	-
13	20	2	#6	2' 7"	7' 10"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
14	3	2	#1	2' 10"	8' 4"	-	-
14	4	2	#1	2' 10"	8' 4"	-	-
14	5	2	#1	2' 10"	8' 4"	-	-
14	6	2	#2	2' 10"	8' 4"	-	-
14	7	2	#2	2' 10"	8' 4"	-	-
14	8	2	#2	2' 10"	8' 4"	-	-
14	9	2	#3	2' 10"	8' 4"	-	-
14	10	2	#3	2' 10"	8' 4"	-	-
14	11	2	#4	2' 10"	8' 4"	-	-
14	12	2	#4	2' 10"	8' 4"	-	-
14	13	2	#4	2' 10"	8' 4"	-	-
14	14	2	#4	2' 10"	8' 4"	-	-
14	15	2	#5	2' 10"	8' 4"	-	-
14	16	2	#5	2' 10"	8' 4"	-	-
14	17	2	#5	2' 10"	8' 4"	-	-
14	18	2	#6	2' 10"	8' 4"	-	-
14	19	2	#6	2' 10"	8' 4"	-	-
14	20	2	#6	2' 10"	8' 4"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
15	3	2	#1	3' 0"	9' 0"	-	-
15	4	2	#1	3' 0"	9' 0"	-	-
15	5	2	#1	3' 0"	9' 0"	-	-
15	6	2	#2	3' 0"	9' 0"	-	-
15	7	2	#2	3' 0"	9' 0"	-	-
15	8	2	#2	3' 0"	9' 0"	-	-
15	9	2	#3	3' 0"	9' 0"	-	-
15	10	2	#3	3' 0"	9' 0"	-	-
15	11	2	#4	3' 0"	9' 0"	-	-
15	12	2	#4	3' 0"	9' 0"	-	-
15	13	2	#4	3' 0"	9' 0"	-	-
15	14	2	#4	3' 0"	9' 0"	-	-
15	15	2	#5	3' 0"	9' 0"	-	-
15	16	2	#5	3' 0"	9' 0"	-	-
15	17	2	#6	3' 0"	9' 0"	-	-
15	18	2	#6	3' 0"	9' 0"	-	-
15	19	2	#6	3' 0"	9' 0"	-	-
15	20	3	#6	-	-	0' 6"	7' 0"

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
16	3	2	#1	3' 2"	9' 8"	-	-
16	4	2	#1	3' 2"	9' 8"	-	-
16	5	2	#1	3' 2"	9' 8"	-	-
16	6	2	#2	3' 2"	9' 8"	-	-
16	7	2	#2	3' 2"	9' 8"	-	-
16	8	2	#3	3' 2"	9' 8"	-	-
16	9	2	#3	3' 2"	9' 8"	-	-
16	10	2	#4	3' 2"	9' 8"	-	-
16	11	2	#4	3' 2"	9' 8"	-	-
16	12	2	#4	3' 2"	9' 8"	-	-
16	13	2	#4	3' 2"	9' 8"	-	-
16	14	2	#5	3' 2"	9' 8"	-	-
16	15	2	#5	3' 2"	9' 8"	-	-
16	16	2	#6	3' 2"	9' 8"	-	-
16	17	2	#6	3' 2"	9' 8"	-	-
16	18	2	#6	3' 2"	9' 8"	-	-
16	19	3	#6	-	-	1' 0"	7' 0"
16	20	3	#6	-	-	1' 0"	7' 0"

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
17	3	2	#1	3' 5"	10' 2"	-	-
17	4	2	#1	3' 5"	10' 2"	-	-
17	5	2	#2	3' 5"	10' 2"	-	-
17	6	2	#2	3' 5"	10' 2"	-	

Clear Heights - Greater Than 12 Feet up to 16 Feet

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
7	3	2	#1	1' 5"	4' 2"	-	-
7	4	2	#1	1' 5"	4' 2"	-	-
7	5	2	#2	1' 5"	4' 2"	-	-
7	6	2	#2	1' 5"	4' 2"	-	-
7	7	2	#2	1' 5"	4' 2"	-	-
7	8						
7	9						
7	10						
7	11						
7	12						
7	13						
7	14						
7	15						
7	16						
7	17						
7	18						
7	19						
7	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
8	3	2	#1	1' 7"	4' 10"	-	-
8	4	2	#1	1' 7"	4' 10"	-	-
8	5	2	#2	1' 7"	4' 10"	-	-
8	6	2	#2	1' 7"	4' 10"	-	-
8	7	2	#2	1' 7"	4' 10"	-	-
8	8	2					
8	9	2					
8	10	2					
8	11	2					
8	12	2					
8	13	2					
8	14	2					
8	15	2					
8	16	2					
8	17	2					
8	18	2					
8	19	2					
8	20	2					

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
9	3	2	#1	1' 10"	5' 4"	-	-
9	4	2	#1	1' 10"	5' 4"	-	-
9	5	2	#2	1' 10"	5' 4"	-	-
9	6	2	#2	1' 10"	5' 4"	-	-
9	7	2	#2	1' 10"	5' 4"	-	-
9	8	2					
9	9	2					
9	10	2					
9	11	2					
9	12	2					
9	13	2					
9	14	2					
9	15	2					
9	16	2					
9	17	2					
9	18	2					
9	19	2					
9	20	2					

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
10	3	2	#1	2' 0"	6' 0"	-	-
10	4	2	#1	2' 0"	6' 0"	-	-
10	5	2	#2	2' 0"	6' 0"	-	-
10	6	2	#2	2' 0"	6' 0"	-	-
10	7	2	#2	2' 0"	6' 0"	-	-
10	8	2	#3	1' 6"	7' 0"	-	-
10	9	2	#3	1' 6"	7' 0"	-	-
10	10	2	#3	1' 6"	7' 0"	-	-
10	11	2	#4	1' 6"	7' 0"	-	-
10	12	2	#4	1' 6"	7' 0"	-	-
10	13	2	#4	1' 6"	7' 0"	-	-
10	14	2	#4	1' 6"	7' 0"	-	-
10	15	2	#5	1' 6"	7' 0"	-	-
10	16	2	#5	1' 6"	7' 0"	-	-
10	17	2	#5	1' 6"	7' 0"	-	-
10	18	2	#6	1' 6"	7' 0"	-	-
10	19	2	#6	1' 6"	7' 0"	-	-
10	20	2	#6	1' 6"	7' 0"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
11	3	2	#1	2' 2"	6' 8"	-	-
11	4	2	#1	2' 2"	6' 8"	-	-
11	5	2	#2	2' 2"	6' 8"	-	-
11	6	2	#2	2' 2"	6' 8"	-	-
11	7	2	#2	2' 2"	6' 8"	-	-
11	8	2	#3	2' 0"	7' 0"	-	-
11	9	2	#3	2' 0"	7' 0"	-	-
11	10	2	#3	2' 0"	7' 0"	-	-
11	11	2	#4	2' 0"	7' 0"	-	-
11	12	2	#4	2' 0"	7' 0"	-	-
11	13	2	#4	2' 0"	7' 0"	-	-
11	14	2	#4	2' 0"	7' 0"	-	-
11	15	2	#5	2' 0"	7' 0"	-	-
11	16	2	#5	2' 0"	7' 0"	-	-
11	17	2	#5	2' 0"	7' 0"	-	-
11	18	2	#6	2' 0"	7' 0"	-	-
11	19	2	#6	2' 0"	7' 0"	-	-
11	20	2	#6	2' 0"	7' 0"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
12	3	2	#1	2' 5"	7' 2"	-	-
12	4	2	#1	2' 5"	7' 2"	-	-
12	5	2	#2	2' 5"	7' 2"	-	-
12	6	2	#2	2' 5"	7' 2"	-	-
12	7	2	#2	2' 5"	7' 2"	-	-
12	8	2	#3	2' 5"	7' 2"	-	-
12	9	2	#3	2' 5"	7' 2"	-	-
12	10	2	#3	2' 5"	7' 2"	-	-
12	11	2	#4	2' 5"	7' 2"	-	-
12	12	2	#4	2' 5"	7' 2"	-	-
12	13	2	#4	2' 5"	7' 2"	-	-
12	14	2	#4	2' 5"	7' 2"	-	-
12	15	2	#5	2' 5"	7' 2"	-	-
12	16	2	#5	2' 5"	7' 2"	-	-
12	17	2	#5	2' 5"	7' 2"	-	-
12	18	2	#6	2' 5"	7' 2"	-	-
12	19	2	#6	2' 5"	7' 2"	-	-
12	20	2	#6	2' 5"	7' 2"	-	-

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
13	3	2	#1	2' 7"	7' 10"	-	-
13	4	2	#2	2' 7"	7' 10"	-	-
13	5	2	#2	2' 7"	7' 10"	-	-
13	6	2	#2	2' 7"	7' 10"	-	-
13	7	2	#2	2' 7"	7' 10"	-	-
13	8	2	#3	2' 7"	7' 10"	-	-
13	9	2	#3	2' 7"	7' 10"	-	-
13	10	2	#4	2' 7"	7' 10"	-	-
13	11	2	#4	2' 7"	7' 10"	-	-
13	12	2	#4	2' 7"	7' 10"	-	-
13	13	2	#4	2' 7"	7' 10"	-	-
13	14	2	#5	2' 7"	7' 10"	-	-
13	15	2	#5	2' 7"	7' 10"	-	-
13	16	2	#5	2' 7"	7' 10"	-	-
13	17	2	#6	2' 7"	7' 10"	-	-
13	18	2	#6	2' 7"	7' 10"	-	-
13	19	2	#6	2' 7"	7' 10"	-	-
13	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
14	3	2	#1	2' 10"	8' 4"	-	-
14	4	2	#2	2' 10"	8' 4"	-	-
14	5	2	#2	2' 10"	8' 4"	-	-
14	6	2	#2	2' 10"	8' 4"	-	-
14	7	2	#3	2' 10"	8' 4"	-	-
14	8	2	#3	2' 10"	8' 4"	-	-
14	9	2	#3	2' 10"	8' 4"	-	-
14	10	2	#4	2' 10"	8' 4"	-	-
14	11	2	#4	2' 10"	8' 4"	-	-
14	12	2	#4	2' 10"	8' 4"	-	-
14	13	2	#5	2' 10"	8' 4"	-	-
14	14	2	#5	2' 10"	8' 4"	-	-
14	15	2	#5	2' 10"	8' 4"	-	-
14	16	2	#6	2' 10"	8' 4"	-	-
14	17	2	#6	2' 10"	8' 4"	-	-
14	18	2	#6	2' 10"	8' 4"	-	-
14	19						
14	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
15	3	2	#1	3' 0"	9' 0"	-	-
15	4	2	#2	3' 0"	9' 0"	-	-
15	5	2	#2	3' 0"	9' 0"	-	-
15	6	2	#2	3' 0"	9' 0"	-	-
15	7	2	#3	3' 0"	9' 0"	-	-
15	8	2	#3	3' 0"	9' 0"	-	-
15	9	2	#4	3' 0"	9' 0"	-	-
15	10	2	#4	3' 0"	9' 0"	-	-
15	11	2	#4	3' 0"	9' 0"	-	-
15	12	2	#5	3' 0"	9' 0"	-	-
15	13	2	#5	3' 0"	9' 0"	-	-
15	14	2	#5	3' 0"	9' 0"	-	-
15	15	2	#6	3' 0"	9' 0"	-	-
15	16	2	#6	3' 0"	9' 0"	-	-
15	17	2	#6	3' 0"	9' 0"	-	-
15	18	3	#6	-	-	0' 6"	7' 0"
15	19						
15	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
16	3	2	#1	3' 2"	9' 8"	-	-
16	4	2	#2	3' 2"	9' 8"	-	-
16	5	2	#2	3' 2"	9' 8"	-	-
16	6	2	#2	3' 2"	9' 8"	-	-
16	7	2	#3	3' 2"	9' 8"	-	-
16	8	2	#3	3' 2"	9' 8"	-	-
16	9	2	#4	3' 2"	9' 8"	-	-
16	10	2	#4	3' 2"	9' 8"	-	-
16	11	2	#4	3' 2"	9' 8"	-	-
16	12	2	#5	3' 2"	9' 8"	-	-
16	13	2	#5	3' 2"	9' 8"	-	-
16	14	2	#6	3' 2"	9' 8"	-	-
16	15	2	#6	3' 2"	9' 8"	-	-
16	16	2	#6	3' 2"	9' 8"	-	-
16	17	3	#6	-	-	1' 0"	7' 0"
16	18	3	#6	-	-	1' 0"	7' 0"
16	19						
16	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
17	3	2	#2	3' 5"	10' 2"	-	-
17	4	2	#2	3' 5"	10' 2"	-	-
17	5	2	#2	3' 5"	10' 2"	-	-
17	6	2	#3	3' 5"	10' 2"	-	-
17	7	2	#3	3' 5"	10' 2"	-	-
17	8	2	#4	3' 5"	10' 2"	-	-

Clear Heights - Greater Than 16 Feet up to 24 Feet

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
7	3	2	#1	1' 5"	4' 2"	-	-
7	4	2	#2	1' 5"	4' 2"	-	-
7	5	2	#2	1' 5"	4' 2"	-	-
7	6						
7	7						
7	8						
7	9						
7	10						
7	11						
7	12						
7	13						
7	14						
7	15						
7	16						
7	17						
7	18						
7	19						
7	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
8	3	2	#1	1' 7"	4' 10"	-	-
8	4	2	#2	1' 7"	4' 10"	-	-
8	5	2	#2	1' 7"	4' 10"	-	-
8	6						
8	7						
8	8						
8	9						
8	10						
8	11						
8	12						
8	13						
8	14						
8	15						
8	16						
8	17						
8	18						
8	19						
8	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
9	3	2	#1	1' 10"	5' 4"	-	-
9	4	2	#2	1' 10"	5' 4"	-	-
9	5	2	#2	1' 10"	5' 4"	-	-
9	6						
9	7						
9	8						
9	9						
9	10						
9	11						
9	12						
9	13						
9	14						
9	15						
9	16						
9	17						
9	18						
9	19						
9	20						

Signs in this range are too narrow to achieve the required posts spacings necessary for #3 through #6 sign post to meet breakaway standards. The sign width needs to be increased to 10 feet.

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
10	3	2	#1	2' 0"	6' 0"	-	-
10	4	2	#2	2' 0"	6' 0"	-	-
10	5	2	#2	2' 0"	6' 0"	-	-
10	6	2	#3	1' 6"	7' 0"	-	-
10	7	2	#3	1' 6"	7' 0"	-	-
10	8	2	#4	1' 6"	7' 0"	-	-
10	9	2	#4	1' 6"	7' 0"	-	-
10	10	2	#4	1' 6"	7' 0"	-	-
10	11	2	#4	1' 6"	7' 0"	-	-
10	12	2	#5	1' 6"	7' 0"	-	-
10	13	2	#5	1' 6"	7' 0"	-	-
10	14	2	#6	1' 6"	7' 0"	-	-
10	15	2	#6	1' 6"	7' 0"	-	-
10	16	2	#6	1' 6"	7' 0"	-	-
10	17						
10	18						
10	19						
10	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
11	3	2	#1	2' 2"	6' 8"	-	-
11	4	2	#2	2' 2"	6' 8"	-	-
11	5	2	#2	2' 2"	6' 8"	-	-
11	6	2	#3	2' 0"	7' 0"	-	-
11	7	2	#3	2' 0"	7' 0"	-	-
11	8	2	#4	2' 0"	7' 0"	-	-
11	9	2	#4	2' 0"	7' 0"	-	-
11	10	2	#4	2' 0"	7' 0"	-	-
11	11	2	#4	2' 0"	7' 0"	-	-
11	12	2	#5	2' 0"	7' 0"	-	-
11	13	2	#5	2' 0"	7' 0"	-	-
11	14	2	#6	2' 0"	7' 0"	-	-
11	15	2	#6	2' 0"	7' 0"	-	-
11	16	2	#6	2' 0"	7' 0"	-	-
11	17						
11	18						
11	19						
11	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
12	3	2	#1	2' 5"	7' 2"	-	-
12	4	2	#2	2' 5"	7' 2"	-	-
12	5	2	#2	2' 5"	7' 2"	-	-
12	6	2	#3	2' 5"	7' 2"	-	-
12	7	2	#3	2' 5"	7' 2"	-	-
12	8	2	#4	2' 5"	7' 2"	-	-
12	9	2	#4	2' 5"	7' 2"	-	-
12	10	2	#4	2' 5"	7' 2"	-	-
12	11	2	#4	2' 5"	7' 2"	-	-
12	12	2	#5	2' 5"	7' 2"	-	-
12	13	2	#5	2' 5"	7' 2"	-	-
12	14	2	#6	2' 5"	7' 2"	-	-
12	15	2	#6	2' 5"	7' 2"	-	-
12	16	2	#6	2' 5"	7' 2"	-	-
12	17						
12	18						
12	19						
12	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
13	3	2	#1	2' 7"	7' 10"	-	-
13	4	2	#2	2' 7"	7' 10"	-	-
13	5	2	#2	2' 7"	7' 10"	-	-
13	6	2	#3	2' 7"	7' 10"	-	-
13	7	2	#3	2' 7"	7' 10"	-	-
13	8	2	#4	2' 7"	7' 10"	-	-
13	9	2	#4	2' 7"	7' 10"	-	-
13	10	2	#4	2' 7"	7' 10"	-	-
13	11	2	#5	2' 7"	7' 10"	-	-
13	12	2	#5	2' 7"	7' 10"	-	-
13	13	2	#6	2' 7"	7' 10"	-	-
13	14	2	#6	2' 7"	7' 10"	-	-
13	15	2	#6	2' 7"	7' 10"	-	-
13	16						
13	17						
13	18						
13	19						
13	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
14	3	2	#2	2' 10"	8' 4"	-	-
14	4	2	#2	2' 10"	8' 4"	-	-
14	5	2	#2	2' 10"	8' 4"	-	-
14	6	2	#3	2' 10"	8' 4"	-	-
14	7	2	#4	2' 10"	8' 4"	-	-
14	8	2	#4	2' 10"	8' 4"	-	-
14	9	2	#4	2' 10"	8' 4"	-	-
14	10	2	#5	2' 10"	8' 4"	-	-
14	11	2	#5	2' 10"	8' 4"	-	-
14	12	2	#6	2' 10"	8' 4"	-	-
14	13	2	#6	2' 10"	8' 4"	-	-
14	14	2	#6	2' 10"	8' 4"	-	-
14	15						
14	16						
14	17						
14	18						
14	19						
14	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
15	3	2	#2	3' 0"	9' 0"	-	-
15	4	2	#2	3' 0"	9' 0"	-	-
15	5	2	#3	3' 0"	9' 0"	-	-
15	6	2	#3	3' 0"	9' 0"	-	-
15	7	2	#4	3' 0"	9' 0"	-	-
15	8	2	#4	3' 0"	9' 0"	-	-
15	9	2	#4	3' 0"	9' 0"	-	-
15	10	2	#5	3' 0"	9' 0"	-	-
15	11	2	#5	3' 0"	9' 0"	-	-
15	12	2	#6	3' 0"	9' 0"	-	-
15	13	2	#6	3' 0"	9' 0"	-	-
15	14	3	#6	-	-	0' 6"	7' 0"
15	15						
15	16						
15	17						
15	18						
15	19						
15	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
16	3	2	#2	3' 2"	9' 8"	-	-
16	4	2	#2	3' 2"	9' 8"	-	-
16	5	2	#3	3' 2"	9' 8"	-	-
16	6	2	#3	3' 2"	9' 8"	-	-
16	7	2	#4	3' 2"	9' 8"	-	-
16	8	2	#4	3' 2"	9' 8"	-	-
16	9	2	#5	3' 2"	9' 8"	-	-
16	10	2	#5	3' 2"	9' 8"	-	-
16	11	2	#6	3' 2"	9' 8"	-	-
16	12	2	#6	3' 2"	9' 8"	-	-
16	13	2	#6	3' 2"	9' 8"	-	-
16	14	3	#6	-	-	1' 0"	7' 0"
16	15						
16	16						
16	17						
16	18						
16	19						
16	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D	A	B
17	3	2	#2	3' 5"	10' 2"	-	-
17	4	2	#2	3' 5"	10' 2"	-	-
17	5	2	#3	3' 5"	10' 2"	-	-
17	6	2	#4	3' 5"	10' 2"	-	-
17	7	2	#4	3' 5"	10' 2"	-	-
17	8	2	#4	3' 5"	10' 2"	-	-
17	9	2	#5	3' 5"	10' 2"	-	-
17	10	2	#5	3' 5"	10' 2"	-	-
17	11	2	#6	3' 5"	10' 2"	-	-
17	12	2	#6	3' 5"	10' 2"	-	-
17	13	3	#6	-	-	1' 6"	7' 0"
17	14	3	#6	-	-	1' 6"	7' 0"
17	15						
17	16						
17	17						
17	18						
17	19						
17	20						

Size Exceeds Capacity of I-Beam Post

SIGN WIDTH	SIGN HEIGHT	NUMBER OF POSTS	POST DESIGN	Post Spacing			
				C	D</		