

NUCOR

NUCOR STEEL MARION, INC.
912 CHENEY AVE, MARION, OH 43302
Phone: (740) 383-4011 Fax: (740) 383-9680
www.nucorhighway.com

POST WINDLOAD CAPACITY TABLE SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009
Basic Wind Speed (3-sec gust) = 90 mph
Recurrence Interval = 10 years
Fy = 55,000 psi
Number of Posts = 2

W = Sign Panel Width (ft)
H = Sign Panel Height (ft)
U = Max Under-Panel Clearance to Ground (ft)

H	U	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	10	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1	10.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	11	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	11.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1	12	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	9	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	9.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	10	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1.5	10.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1.5	11	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1.5	11.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
1.5	12	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	9	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	9.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	10	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2	10.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2	11	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2	11.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2	12	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2.5	9	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
2.5	9.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	10	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	11	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	11.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.5	12	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
3	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
3	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3	9.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3	10	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	11	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---
3.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	9	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	10	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3.5	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
4	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---
4	8	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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4	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4.5	7	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4.5	7.5	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4.5	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4.5	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5.5	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 100 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 2

W = Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W											
		1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	10	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	10.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1	11	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1	11.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1	12	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	9	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	9.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	10	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	10.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	11	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	11.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
1.5	12	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	9	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	9.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	10	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2	11	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	9	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
2.5	10	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3.5	7.5	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3.5	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
3.5	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
4	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
4	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
4	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
4.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---
4.5	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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U-Channel 203-247 Sign Post Selection Table, AASHTO 2009
 Basic Wind Speed (3-sec gust) = 110 mph
 Recurrence Interval = 10 years
 Fy = 55,000 psi
 Number of Posts = 2

W= Sign Panel Width (ft)
 H = Sign Panel Height (ft)
 U = Max Under-Panel Clearance to Ground (ft)

H	U	W									
		1	1.5	2	2.5	3	3.5	4	4.5	5	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	10	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	10.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1	11	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	11.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	9.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	10	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
3	7	2.03 lbs/ft	---	---	---	---	---	---	---	---	---
3	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
3	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
3.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
3.5	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
4	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A
 GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH,
 AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

NUCOR

NUCOR STEEL MARION, INC.

912 CHENEY AVE, MARION, OH 43302

Phone: (740) 383-4011 Fax: (740) 383-9680

www.nucorhighway.com

POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 120 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 2

W = Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W										
		1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	2.47 lbs/ft
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	10	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	10.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1	11	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	11.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1	12	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	9	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	9.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	10	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	10.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
1.5	11	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	8.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	9.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2	10	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2	10.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---
2.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
2.5	8.5	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
2.5	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---	---	---
3	7.5	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3	9	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3.5	7	2.03 lbs/ft	---	---	---	---	---	---	---	---	---	---
3.5	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
3.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
4	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
4	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---
4.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

NUCOR

NUCOR STEEL MARION, INC.
 912 CHENEY AVE, MARION, OH 43302
 Phone: (740) 383-4011 Fax: (740) 383-9680
 www.nucorhighway.com

POST WINDLOAD CAPACITY TABLE SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009
 Basic Wind Speed (3-sec gust) = 130 mph
 Recurrence Interval = 10 years
 Fy = 55,000 psi
 Number of Posts = 2

W= Sign Panel Width (ft)
 H = Sign Panel Height (ft)
 U = Max Under-Panel Clearance to Ground (ft)

H	U	W								
		1	1.5	2	2.5	3	3.5	4	4.5	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---
1	8.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1	9	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1	9.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1	10	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	10.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1	11	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---
1.5	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	8.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
1.5	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
1.5	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---
1.5	10	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---
2	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	8.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2	9	2.47 lbs/ft	---	---	---	---	---	---	---	---
2	9.5	2.47 lbs/ft	---	---	---	---	---	---	---	---
2.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	---	---
2.5	7.5	2.03 lbs/ft	---	---	---	---	---	---	---	---
2.5	8	2.47 lbs/ft	---	---	---	---	---	---	---	---
2.5	8.5	2.47 lbs/ft	---	---	---	---	---	---	---	---
3	7	2.47 lbs/ft	---	---	---	---	---	---	---	---
3	7.5	2.47 lbs/ft	---	---	---	---	---	---	---	---
3	8	2.47 lbs/ft	---	---	---	---	---	---	---	---
3.5	7	2.47 lbs/ft	---	---	---	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

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POST WINDLOAD

CAPACITY TABLE

SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 140 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 2

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W							
		1	1.5	2	2.5	3	3.5	4	
1	7	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	
1	8	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	
1	8.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	
1	9	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1	9.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1	10	2.47 lbs/ft	---	---	---	---	---	---	
1.5	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	7.5	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	
1.5	8	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1.5	8.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
1.5	9	2.47 lbs/ft	---	---	---	---	---	---	
2	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
2	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---	---	
2	8	2.47 lbs/ft	---	---	---	---	---	---	
2	8.5	2.47 lbs/ft	---	---	---	---	---	---	
2.5	7	2.47 lbs/ft	---	---	---	---	---	---	
2.5	7.5	2.47 lbs/ft	---	---	---	---	---	---	
3	7	2.47 lbs/ft	---	---	---	---	---	---	



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

v2011.12

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POST WINDLOAD CAPACITY TABLE SIZES: 2.03#, 2.47#

U-Channel 203-247 Sign Post Selection Table, AASHTO 2009

Basic Wind Speed (3-sec gust) = 150 mph

Recurrence Interval = 10 years

Fy = 55,000 psi

Number of Posts = 2

W= Sign Panel Width (ft)

H = Sign Panel Height (ft)

U = Max Under-Panel Clearance to Ground (ft)

H	U	W					
		1	1.5	2	2.5	3	3.5
1	7	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---
1	7.5	2.03 lbs/ft	2.03 lbs/ft	2.47 lbs/ft	---	---	---
1	8	2.03 lbs/ft	2.47 lbs/ft	2.47 lbs/ft	---	---	---
1	8.5	2.47 lbs/ft	2.47 lbs/ft	---	---	---	---
1	9	2.47 lbs/ft	---	---	---	---	---
1	9.5	2.47 lbs/ft	---	---	---	---	---
1.5	7	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---
1.5	7.5	2.03 lbs/ft	2.47 lbs/ft	---	---	---	---
1.5	8	2.47 lbs/ft	---	---	---	---	---
1.5	8.5	2.47 lbs/ft	---	---	---	---	---
2	7	2.47 lbs/ft	---	---	---	---	---
2	7.5	2.47 lbs/ft	---	---	---	---	---
2.5	7	2.47 lbs/ft	---	---	---	---	---



TABLE SHOWS MINIMUM ACCEPTABLE POST WEIGHT FOR A GIVEN SIGN PANEL HEIGHT, SIGN PANEL WIDTH, AND SIGN PANEL UNDER CLEARANCE FROM GROUNDLINE.

v2011.12