

# Chapter One

## General Provisions

In accordance with the provisions of Section 56-5-920 of the Code of Laws of South Carolina, the South Carolina Department of Transportation (SCDOT) is authorized to adopt a manual of standards and specifications for a uniform system of traffic control devices for use upon highways and streets in this state. On May 1, 2011, SCDOT adopted the federal *Manual of Uniform Traffic Control Devices* (MUTCD) for this purpose.

## Signs

Section 2A.01 of the MUTCD, Function and Purpose of Signs, lists thirteen categories of signs. Under the standards of Section 2A.01, the SCDOT does not distinguish between a conventional road and a low-volume road or special purpose road. Therefore, all requirements for a conventional road apply to low-volume roads and special purpose roads.

Section 2A.06 of the MUTCD, Design of Signs, indicates that all symbol signs must comply with the symbols included in the most current edition of the Standard Highway Signs book. This section also gives the flexibility to develop word message signs to notify road users of special regulations or to warn motorists of a situation that might not be readily apparent.

Section 2A.07 of the MUTCD, Retroreflectivity and Illumination, discusses the requirements for retroreflectivity for signs. [Engineering Directive Memorandum 4](#) lists the retroreflectivity requirements for signs erected on all SCDOT roads.

## Pavement Markings

All pavement markings shall comply with the requirements of the MUTCD. This supplement does not change any of the requirements of the MUTCD but does clarify the use of pavement markings for specific applications.

## Traffic Signals

All traffic signal installations in the state must comply with all requirements of the MUTCD. This supplement will define the Department's policy concerning traffic signal installations and provide guidance for special situations.

## Revisions or Request for Changes

This SCDOT Traffic Engineering manual has been developed to assist traffic engineers by listing and explaining the use of special signs with layouts, which have been developed in the past to address specific needs throughout the state, and details which signs in the MUTCD are preferred for use when several different signs are available.

Based on experience and engineering judgment, modifications to this supplement may be requested. All requests for modifications will be directed to the Director of Traffic Engineering. The Director of Traffic Engineering will maintain a committee of headquarters and District Traffic Engineers to review any request for modifications and will make appropriate revisions to the supplement, notifying all users. The supplement will be maintained in an electronic format.

# *Chapter Two*

## **MUTCD Regulatory Signs**

### **Section 2B.14 Truck Speed Limit Plaque (R2-2P)**

South Carolina does not prescribe special speed limit signs for trucks.

### **Section 2B.15 Night Speed Limit Plaque (R2-3P)**

South Carolina does not prescribe special speed limit signs for night time conditions.

### **Section 2B.16 Minimum Speed Limit Plaque (R2-4P)**

[Traffic Engineering Guideline TG-4](#) provides guidance on the use of Minimum Speed Limit signs for different speed limits on interstate routes.

### **Section 2B.17 Higher Fines Signs and Plaque (R2-6P, R2-10, and R2-11)**

In accordance with the South Carolina Code of Laws, the only area in which fines are increased for a special condition is in highway work zones. In accordance with the Code, the sign used in this case is G20-6-60.

### **Section 2B.39 Selective Exclusion Signs**

In addition to the signs listed in Figure 2B-11, Selective Exclusion Signs, the SCDOT has developed sign R5-10f-30 to reflect the language of the State Code of Laws for use on all ramps entering all interstates and other controlled access facilities.

### **Section 2B.46 Parking, Standing, and Stopping Signs (R7 and R8 Series)**

In addition to the signs shown in Section 2B.46 of the MUTCD, Figure 2B-24 (R7 Series), and Figure 2B-25 (R8 Series), SCDOT has developed several additional No Parking type signs. These signs are contained in SCDOT Special Regulatory signs.

### **Section 2B.52 Traffic Signal Pedestrian and Bicycle Actuation Signs (R10-1 through R10-4, and R10-24 through R10-26)**

There are several signs shown in Figure 2B-26 to advise pedestrians of the appropriate method to utilize pedestrian push buttons and pedestrian heads. The traffic engineer should choose the sign that best educates the pedestrian depending on the type of pedestrian actuation and signalization utilized.

### **Section 2B.54 No Turn on Red Signs (R10-11 Series, R10-17a, and R10-30)**

The MUTCD has seven options for the No Turn on Red sign. SCDOT has chosen R10-11b as the standard No Turn on Red sign.

### **Section 2B.59 Weight Limit Signs (R12-1 to R12-5)**

SCDOT has modified the MUTCD R12 series sign to include the message “Load Notice” to provide extra emphasis for notifying truckers of weight limit restrictions. Sign numbers R12-4.5-36 and R12-4.6-36 are contained in Chapter Two – SCDOT Special Regulatory Signs. In accordance with [Engineering Directive Memorandum 11](#), a “New” plaque (W16-15P) should be used when a new or revised weight limit is posted.

# R2-20-24

In order to limit speed limit signs in subdivisions, R2-20-24 may be used in conjunction with the appropriate speed limit sign to indicate the legal speed limit on all roads within a subdivision.



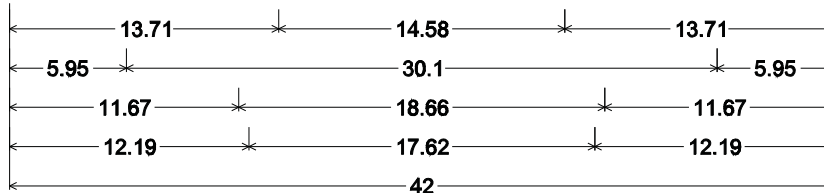
R2-20-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 [ALL] C; [RESIDENTIAL] B 125% spacing; [STREETS] C;  
 Table of distances between letter and object lefts.

9.06	A	L	L	9.06								
2.96	R	E	S	I	D	E	N	T	I	A	L	2.96
5.04	S	T	R	E	E	T	S	5.04				



# R13-1AL-42, R13-1AR-42, R13-5-24

When temporary truck weighing stations are set up on primary routes the All Trucks Next Left (R13-1AL-42) or All Trucks Next Right (R13-1AR-42) shall be installed on the approaches to the temporary weighing station. A Truck Stop on Scales Sign (R13-5-24) may be used to direct trucks to the scale site.



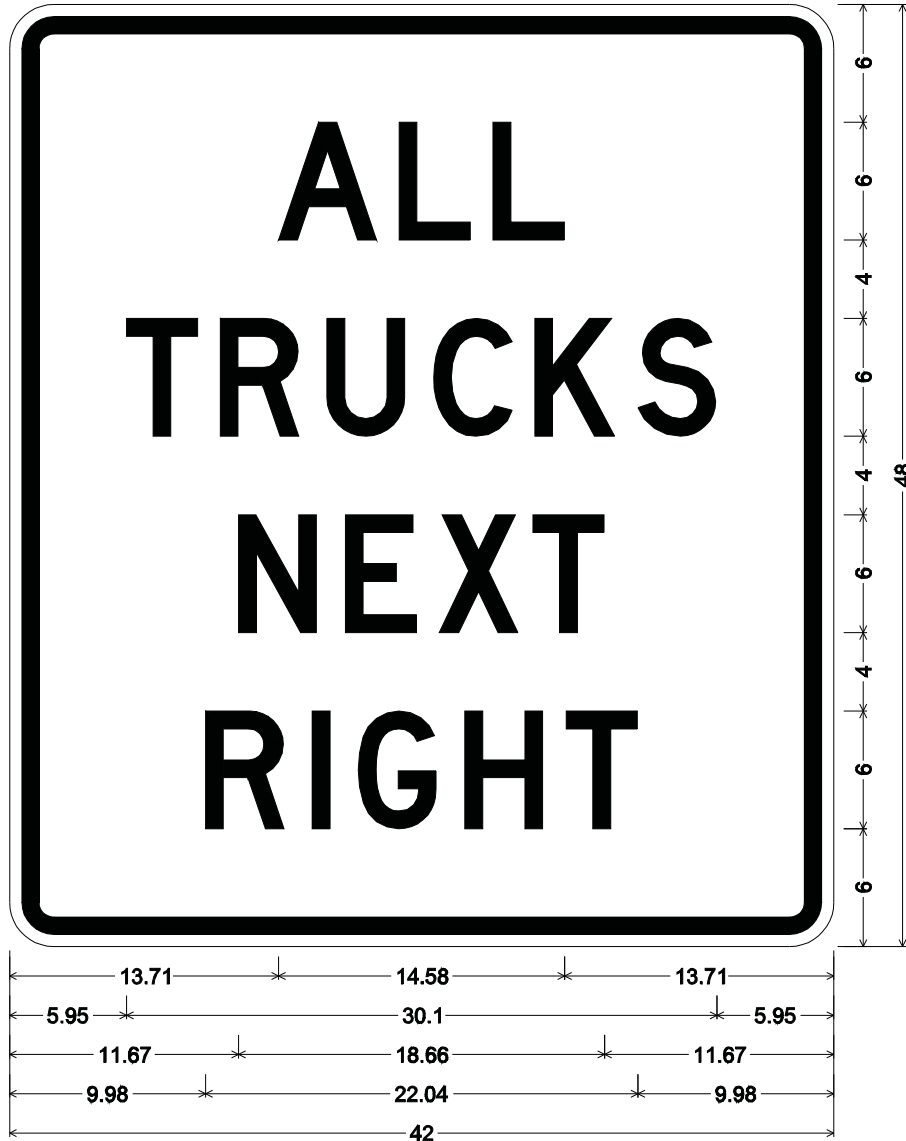
R13-1aL-42; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White; [ALL] D; [TRUCKS] D; [NEXT] D; [LEFT] D;

Table of distances between letter and object lefts.

13.71	A	L	L	13.71			
	6.14	4.78	3.66				
5.95	T	R	U	C	K	S	5.95
	4.78	5.44	5.44	5.16	5.25	4.03	
11.67	N	E	X	T	11.67		
	5.44	4.78	4.78	3.66			
12.19	L	E	F	T	12.19		
	4.78	4.78	4.41	3.65			



R13-1AL-42, R13-1AR-42, R13-5-24

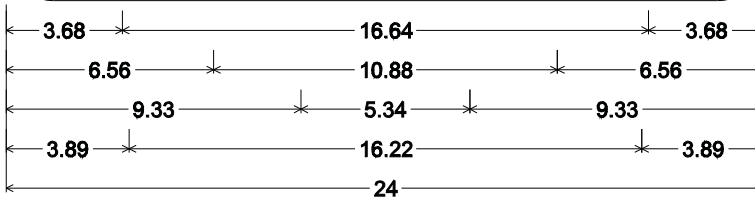
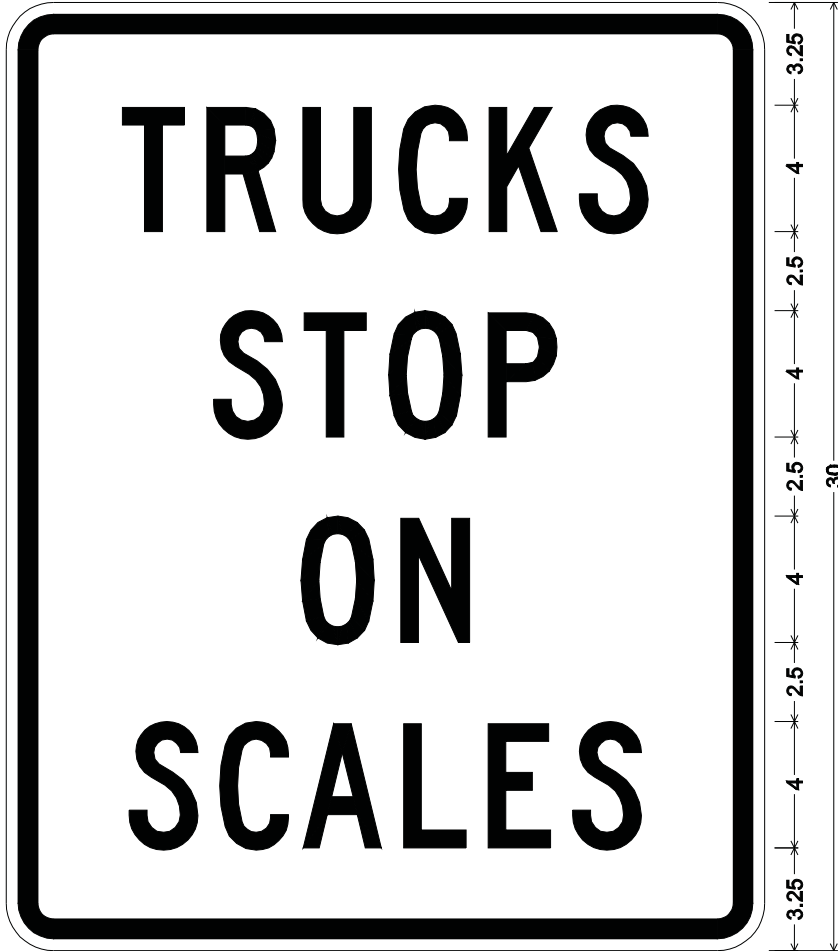


R13-1aR-42; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [ALL] D; [TRUCKS] D; [NEXT] D; [RIGHT] D;  
 Table of distances between letter and object lefts.

13.71	A	L	L	13.71			
	6.14	4.78	3.66				
5.95	T	R	U	C	K	S	5.95
	4.78	5.44	5.44	5.16	5.25	4.03	
11.67	N	E	X	T			
	5.44	4.78	4.78	3.66	11.67		
9.98	R	I	G	H	T	9.98	
	5.44	2.35	5.43	5.16	3.66		



R13-1AL-42, R13-1AR-42, R13-5-24



R13-5-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
[TRUCKS] C; [STOP] C; [ON] C; [SCALES] C;

Table of letter and object lefts.

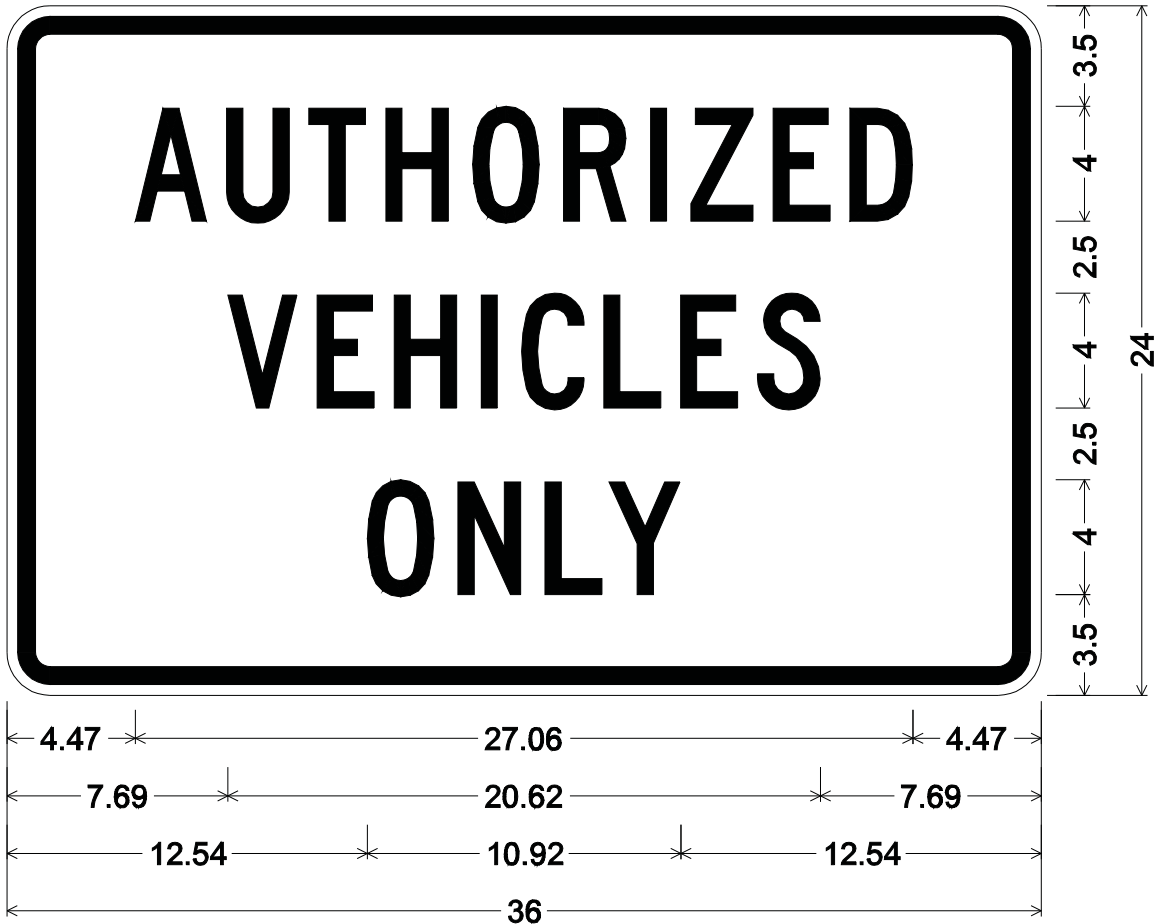
T	R	U	C	K	S
3.68	6.35	9.38	12.41	15.27	18.14
S	T	O	P		
6.56	9.42	12.10	15.25		
O	N				
9.33	12.48				
S	C	A	L	E	S
3.89	6.75	9.39	12.57	15.25	17.92





# R5-22-36

R5-22-36 shall be used at all crossovers on the interstate or other controlled access facilities to notify motorists that these crossovers are to be used only by authorized vehicles and are not for general use. No other signs such as turn restriction signs should be used with this sign.



R5-22-36;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[AUTHORIZED] C; [VEHICLES] C; [ONLY] C;

Table of distances between letter and object lefts.

4.47	A	U	T	H	O	R	I	Z	E	D	4.47
3.18	3.18	2.86	2.67	3.03	3.16	3.03	1.40	2.87	2.67	2.19	4.47
7.69	V	E	H	I	C	L	E	S	7.69		
3.11	3.11	2.68	3.03	1.40	2.86	2.68	2.67	2.19	7.69		
12.54	O	N	L	Y	12.54						
3.16	3.03	2.23	2.50	12.54							



# R11-8B-60 & R11-8.1-60

When a bridge is to be closed for a significant time for repair or replacement a Bridge Closure Sign (R11-8B-60) shall be installed with a supplemental date plaque, (R11-8.1-60). Upon closure of the bridge appropriate detour and bridge closure signs shall be installed and this sign should be removed.



R11-8b-60;  
2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;

[NOTICE] C;

2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;

[BRIDGE] C; [WILL] C; [BE] C; [CLOSED] C; [ON] C;

Table of distances between letter and object lefts.

	N	O	T	I	C	E	
18.78	4.54	4.49	4.01	2.11	4.29	3.00	18.78

1.50	57.00	1.50
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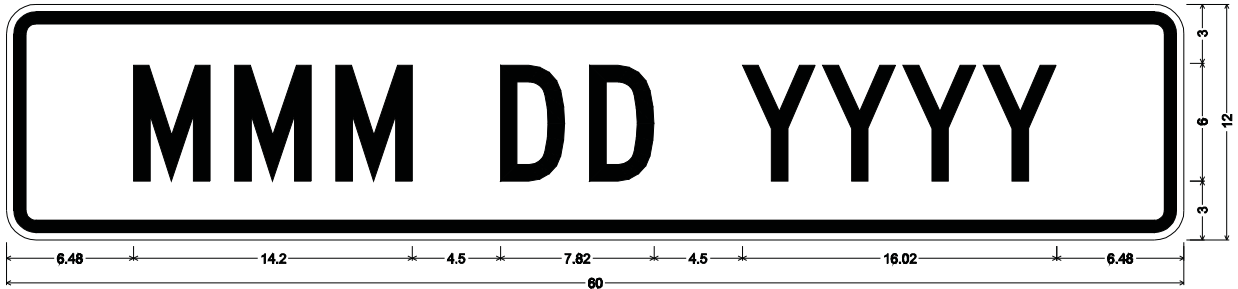
9.17	B	R	I	D	G	E	W	I	L	L	3.00	9.17
	4.54	4.54	2.11	4.30	4.54	7.00	5.51	2.11	4.01			

5.91	B	E	C	L	O	S	E	D	O	N	
	4.54	7.00	4.30	4.01	4.48	4.55	4.01	7.28	4.73	3.28	5.91



# R11-8B-60 & R11-8.1-60

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R11-8.1-60; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[MMM] C; [DD] C; [YYYY] C;

Table of distances between letter and object lefts.

	M	M	M	D	D	Y	Y	Y	Y	
6.48	5.15	5.16	8.39	4.54	7.78	4.09	4.09	4.09	3.75	6.48



# R20-1-18, R20-1A-18 & R20-1C-24

In areas where there is a demonstrated problem with activities on or in the vicinity of a bridge or causeway R20-1-18 may be used to prohibit fishing from a bridge, R20-1A-18 may be used to prohibit fishing from the roadway shoulder, and R20-1C-24 may be used to prohibit diving or jumping from a bridge. These signs should be limited to areas where there is not an adequate shoulder to allow these activities to take place safely or where local law enforcement requests the sign.



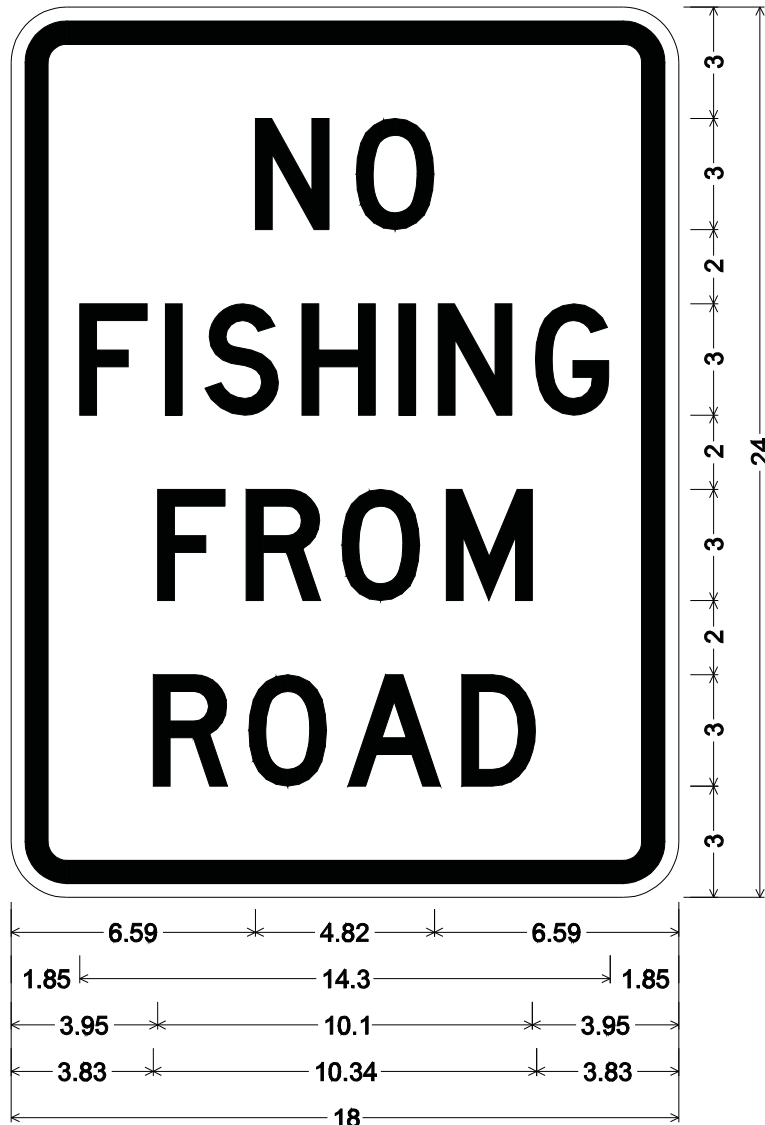
R20-1-18;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 [NO] D; [FISHING] D 85% spacing; [FROM] D; [BRIDGE] D;  
 Table of distances between letter and object lefts.

6.59	N	O							
	2.71	2.11	6.59						
1.85	F	I	S	H	I	N	G		1.85
	2.31	1.07	2.61	2.61	1.07	2.61	2.02		
3.95	F	R	O	M					
	2.39	2.58	2.81	2.32	3.95				
2.13	B	R	I	D	G	E			
	2.72	2.72	1.17	2.58	2.72	1.83	2.13		



# R20-1-18, R20-1A-18 & R20-1C-24



R20-1A-18;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[NO] D; [FISHING] D 85% spacing; [FROM] D;

[ROAD] D;

Table of distances between letter and object lefts.

6.59	N	O	6.59						
2.71		2.11							
1.85	F	I	S	H	I	N	G	1.85	
2.31		1.07	2.61	2.61	1.07	2.61	2.02		
3.95	F	R	O	M					
2.39		2.58	2.81	2.32	3.95				
3.83	R	O	A	D					
2.58		2.67	3.07	2.02	3.83				



# R20-1-18, R20-1A-18 & R20-1C-24



R20-1C-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 [NO] D; [DIVING] D; [OR] D; [JUMPING] D; [FROM] D; [BRIDGE] D;  
 Table of distances between letter and object lefts.

9.59	N	O	9.59						
	2.71	2.11							
2.35	D	I	V	I	N	G	O	R	2.35
	2.72	1.03	2.81	1.18	2.71	4.02	2.81	2.02	
3.53	J	U	M	P	I	N	G	3.53	
	2.58	2.71	3.03	2.72	1.17	2.72	2.01		
6.95	F	R	O	M	6.95				
	2.39	2.58	2.81	2.32					
5.13	B	R	I	D	G	E	5.13		
	2.72	2.72	1.17	2.58	2.72	1.83			



# R10-35-9

In order to protect the Department’s investment in underground traffic signal cables. R10-35-9 should be used at critical locations to advise utility companies, contractors, and maintenance personnel of the existence of buried cables and providing contact information.



R10-35-9;

1.00" Radius, 0.25" Border, 0.25" Indent, Red on White;

[BURIED] B; [CABLES] B; [CALL] C; [SCDOT] C; [BEFORE] C;

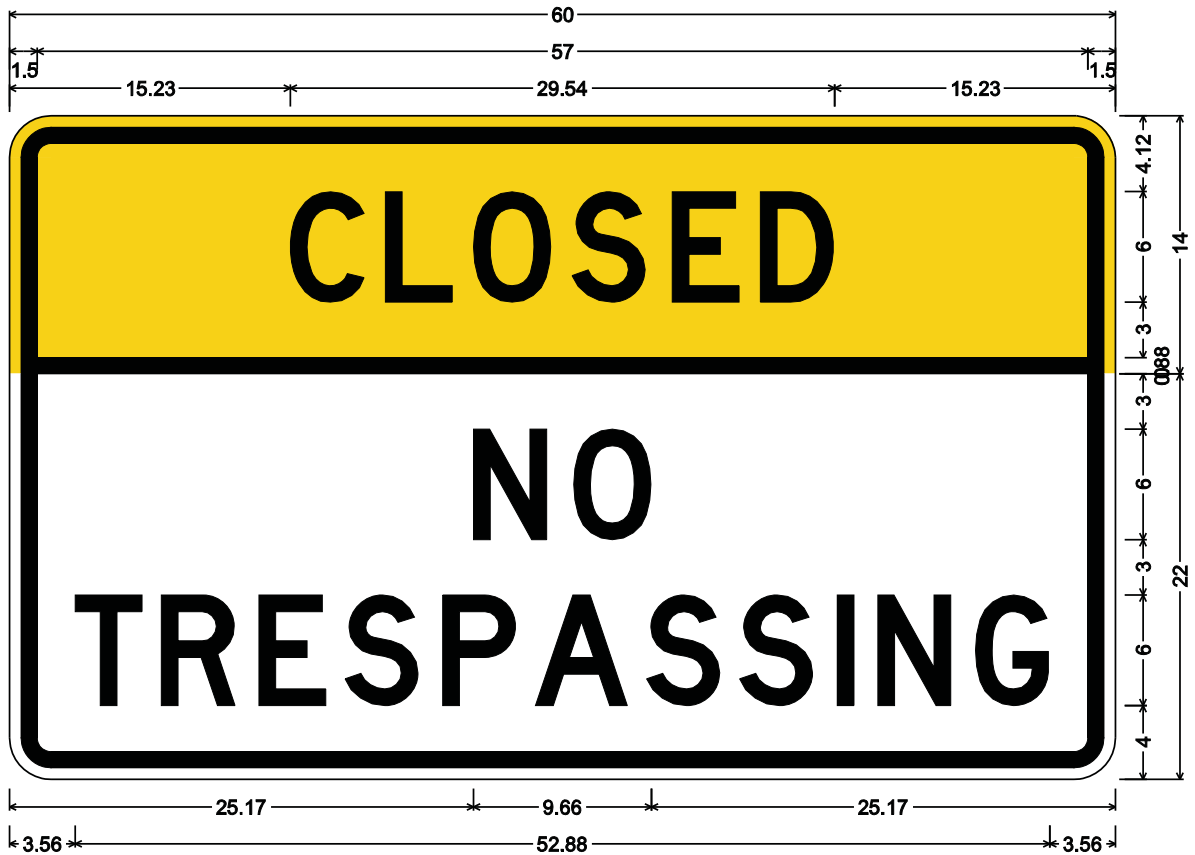
[DIGGING] C; [000-000-0000] B;

Table of distances between letter and object lefts.

0.94	B	0.61	U	0.61	R	0.61	I	0.31	E	0.52	D	1.17	C	0.53	A	0.68	B	0.61	L	0.52	E	0.53	S	0.42	0.94
3.19	C	0.66	A	0.79	L	0.67	L	0.50	3.19																
2.80	S	0.72	C	0.71	D	0.72	O	0.75	T	0.50	2.80														
2.43	B	0.76	E	0.67	F	0.66	O	0.79	R	0.76	E	0.50	2.43												
2.38	D	0.76	I	0.35	G	0.72	G	0.75	I	0.35	N	0.76	G	0.55	2.38										
1.08	0	0.61	0	0.60	0	0.60	-	0.48	0	0.60	0	0.60	0	0.61	0	0.47	0	0.61	0	0.60	0	0.60	0	0.46	1.08

# R25-1-60

R25-1-60 is to be installed at the entrances to the former parking areas on the interstate that are permanently closed. The sign should be erected where it is easily seen by a motorist attempting to enter the parking area.



R25-1-60;  
 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;  
 [CLOSED] D;  
 R25-1-60; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [NO] D; [TRESPASSING] D 90% spacing;  
 Table of distances between letter and object lefts.

15.23	C	5.16	L	4.78	O	5.35	S	5.43	E	4.78	D	4.04	15.23
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1.50	57.00	1.50
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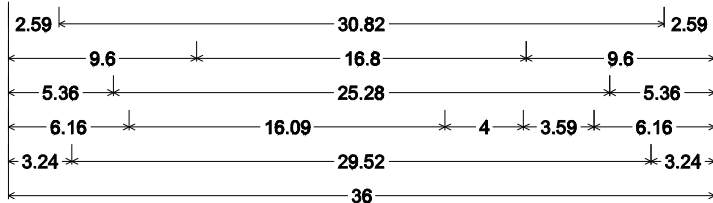
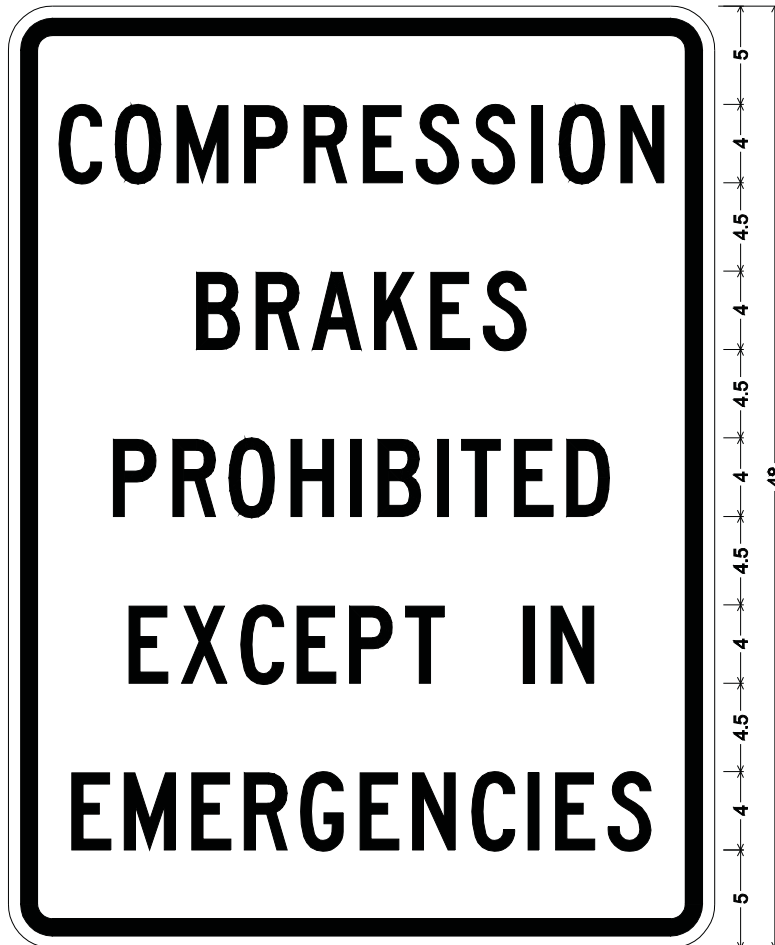
25.17	N	5.44	O	4.22	25.17
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3.56	T	4.67	R	5.30	E	4.67	S	5.29	P	5.05	A	6.03	S	5.04	S	5.30	I	2.20	N	5.30	G	4.03	3.56
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# R5-20-36

When a local governmental agency passes an ordinance to prohibit the use of compression brakes for noise purposes, R5-20-36 should be used at strategic locations to advise truckers of the local ordinance.



R5-20-36; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White; [COMPRESSION] C; [BRAKES] C; [PROHIBITED] C; [EXCEPT] C; [IN] C; [EMERGENCIES] C;

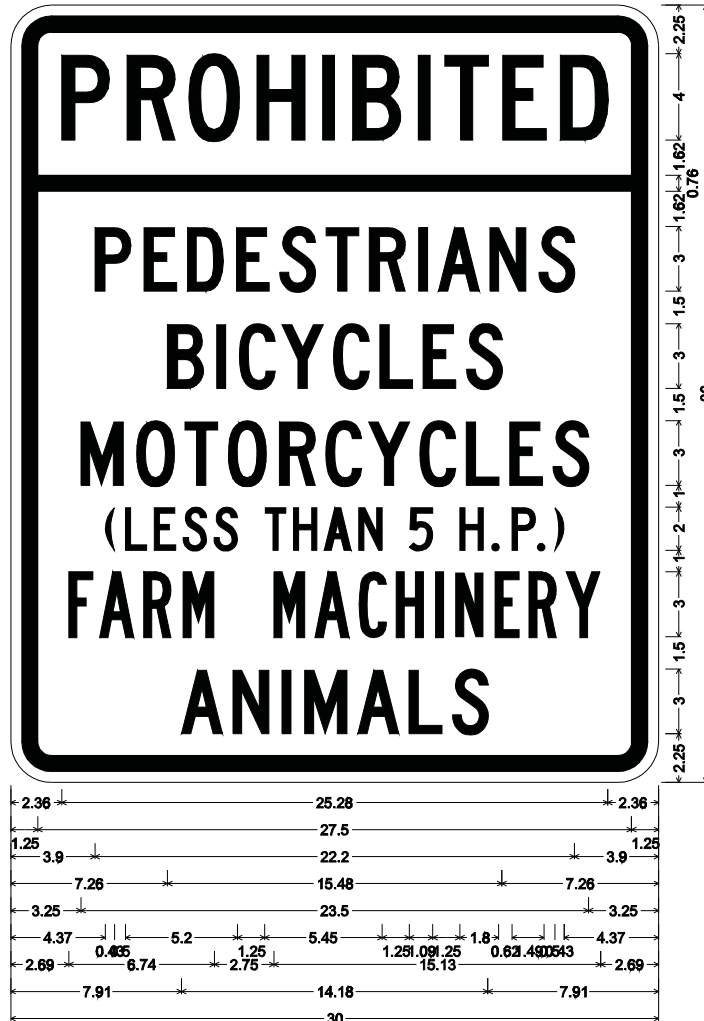
Table of distances between letter and object lefts.

2.59	C	O	M	P	R	E	S	S	I	O	N	2.59
	2.86	3.15	3.44	3.03	3.03	2.67	2.87	3.03	1.40	3.16	2.18	
9.60	B	R	A	K	E	S						
	3.03	2.87	3.17	2.86	2.68	2.19	9.60					
5.36	P	R	O	H	I	B	I	T	E	D		
	3.03	2.86	3.15	3.03	1.41	3.03	1.24	2.67	2.68	2.18	5.36	
6.16	E	X	C	E	P	T	I	N				
	2.67	3.02	2.86	2.68	2.86	6.00	1.41	2.18	6.16			
3.24	E	M	E	R	G	E	N	C	I	E	S	3.24
	2.68	3.43	2.68	2.86	3.03	2.68	3.03	2.86	1.40	2.68	2.19	



# R5-10F-30

R5-10F-30 should be used at the entrance to all interstate ramps and ramps to other controlled access facilities to prohibit all slow moving forms of transportation. The sign has been modified from the MUTCD version to appropriately match S.C. state laws.



R5-10F-30; 1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 [PROHIBITED] C; [PEDESTRIANS] C; [BICYCLES] C; [MOTORCYCLES] C; [(] C;  
 [LESS] C; [THAN] C; [5] C; [H. P.] C; [)] C; [FARM] B; [MACHINERY] B;  
 [ANIMALS] C;

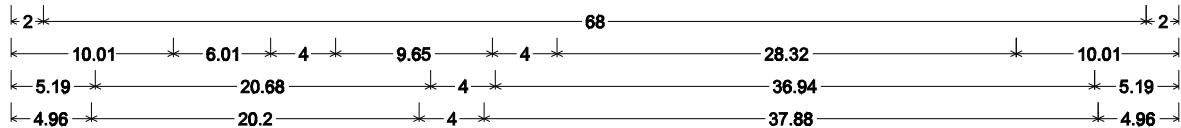
Table of distances between letter and object lefts.

2.36	3.03	2.86	3.15	3.03	1.41	3.03	1.24	2.67	2.68	2.18	2.36					
1.25	27.50	1.25														
3.90	2.27	2.01	2.27	2.00	2.15	2.01	2.27	0.93	2.38	2.27	1.64	3.90				
7.26	2.27	1.05	1.98	2.38	2.15	2.01	2.00	1.64	7.26							
3.25	2.58	2.24	2.00	2.37	2.15	1.98	2.38	2.15	2.00	2.01	1.64	3.25				
4.37	0.93	1.34	1.33	1.44	2.34	1.34	1.43	1.59	2.34	2.34	1.52	0.90	1.21	0.78	0.43	4.37
2.69	1.42	2.05	1.82	4.20	1.91	2.04	1.72	1.82	0.93	1.83	1.57	1.72	1.59	2.69		
7.91	2.38	2.27	1.05	2.46	2.38	2.00	1.64	7.91								



# R22-3-72

R22-3-72 may be used to advise motorists that they should move their vehicles from the travel way when they are involved in a minor crash with no injuries. This sign is to be used primarily in urban areas where minor crashes contribute to congestion and delays.



R22-3-72;

3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;

[CRASH] D; [NOTICE] D;

3.00" Radius, 1.25" Border, 0.75" Indent, Black on White;

[IF] D; [NO] D; [INJURY] D; [MOVE] D; [VEHICLES] D; [FROM] D; [ROADWAY] D;

Table of distances between letter and object lefts.

	C	R	A	S	H	N	O	T	I	C	E	
7.68	5.16	5.15	6.14	5.44	8.03	5.44	5.34	4.78	2.35	5.15	3.66	7.68

2.00	68.00	2.00
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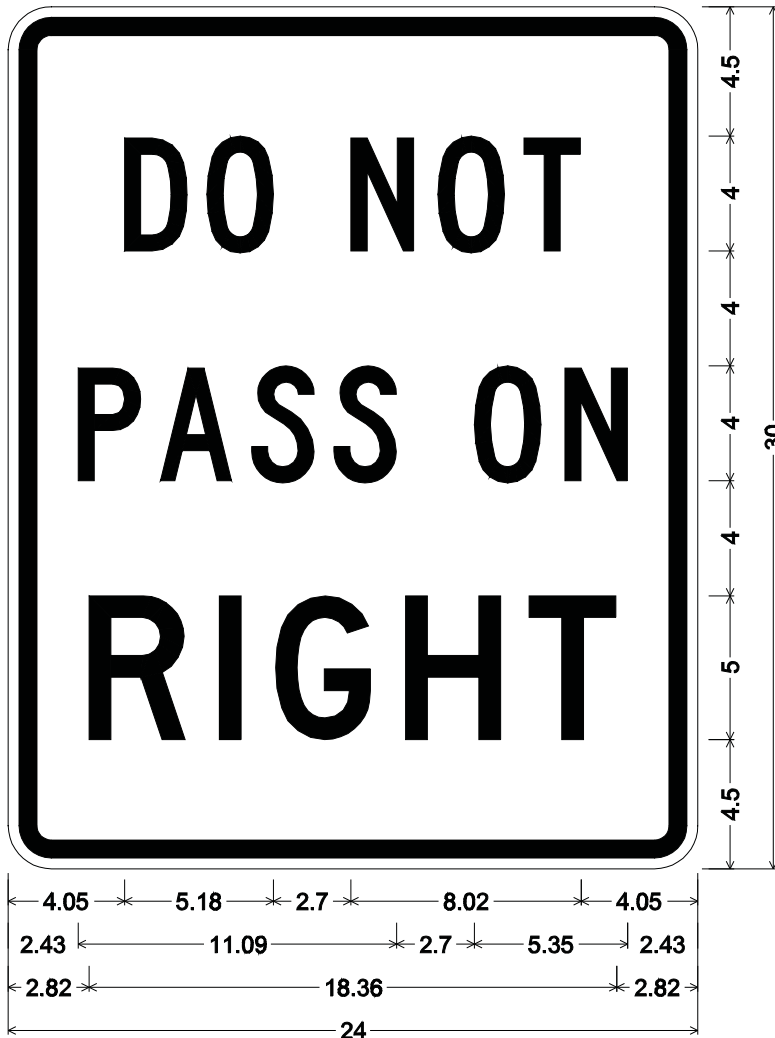
	I	F	N	O	I	N	J	U	R	Y	
10.01	2.35	7.66	5.43	8.22	2.35	5.15	5.16	5.44	5.15	5.07	10.01

	M	O	V	E	V	E	H	I	C	L	E	S	
5.19	6.05	5.35	5.62	7.66	5.62	4.78	5.44	2.35	5.15	4.78	4.78	4.04	5.19

	F	R	O	M	R	O	A	D	W	A	Y	
4.96	4.78	5.16	5.62	8.64	5.16	5.34	6.14	5.16	5.63	5.39	5.06	4.96

# R4-1C-24

R4-1C-24 may be used to prohibit passing on the right where adequate pavement does not exist for passing without leaving the pavement.



R4-1C-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[DO] C; [NOT] C; [PASS] C; [ON] C; [RIGHT] D;

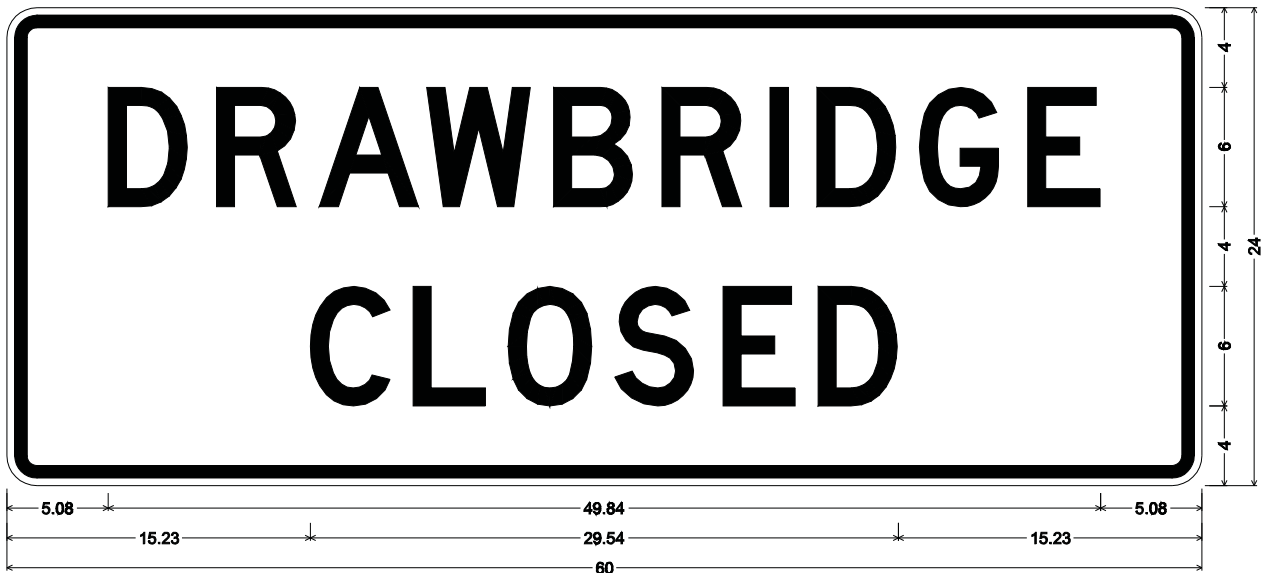
Table of distances between letter and object lefts.

4.05	D	O	N	O	T	4.05	
2.87	2.87	5.01	3.03	2.99	2.00	2.43	
2.43	P	A	S	S	O	N	2.43
2.87	2.87	3.17	2.87	4.88	3.16	2.19	
2.82	R	I	G	H	T	2.82	
4.53	4.53	1.95	4.54	4.29	3.05		



# R11-2.5-60

To advise motorists of the temporary closure of a drawbridge, R11-2.5-60 should be installed at a point that allows motorists an opportunity to choose an alternate route.



R11-2.5-60; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White; [DRAWBRIDGE] D; [CLOSED] D;

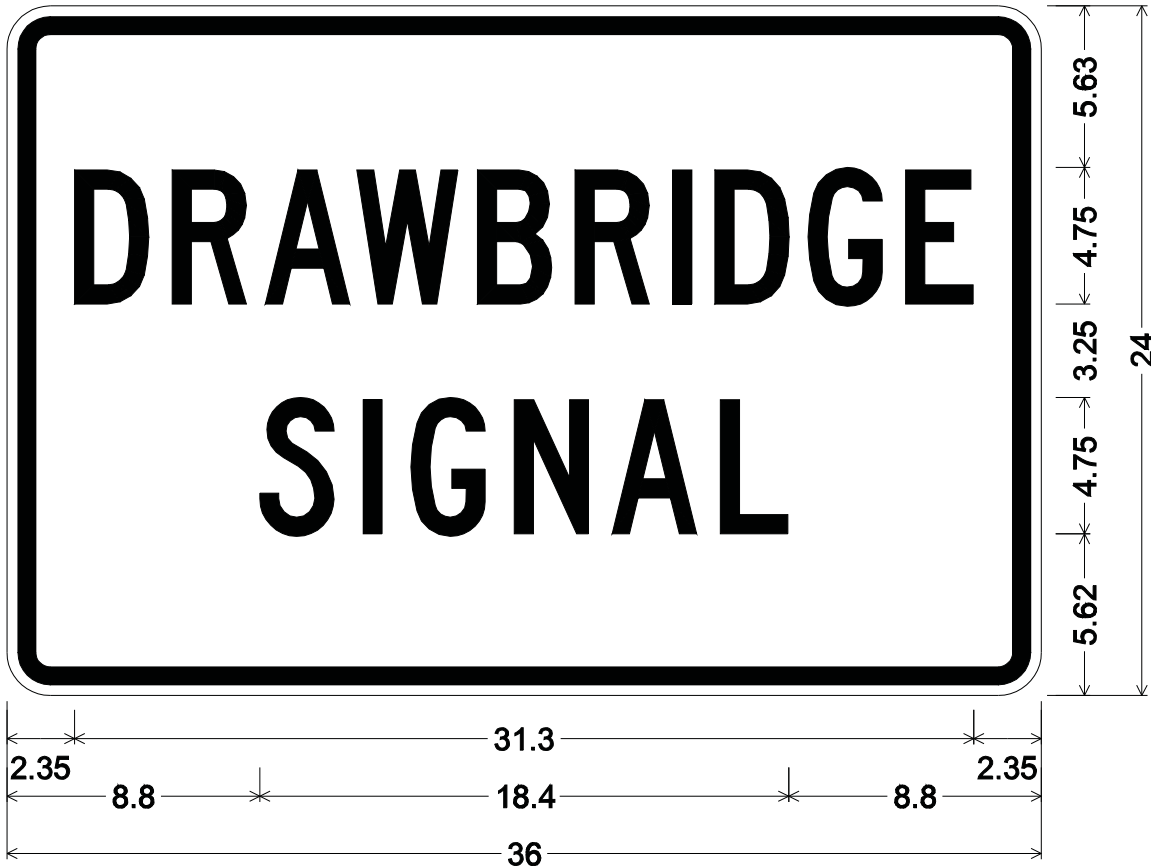
Table of distances between letter and object lefts.

5.08	D	R	A	W	B	R	I	D	G	E	5.08
5.44	5.16	5.39	6.37	5.44	5.44	2.34	5.16	5.44	3.66		
15.23	C	L	O	S	E	D					
	5.16	4.78	5.35	5.43	4.78	4.04	15.23				



# R10-13.5-36

When a standard traffic signal is used to control traffic on the approach to a drawbridge, the Drawbridge Signal Sign (R10-13.5-36) shall be installed between the signal heads.



R10-13.5-36;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[DRAWBRIDGE] C 80% spacing; [SIGNAL] C;

Table of letter and object lefts.

D	R	A	W	B	R	I	D	G	E
2.35	5.75	8.99	12.17	16.37	19.77	23.17	24.64	27.88	31.28
S	I	G	N	A	L				
8.80	12.39	14.06	17.66	21.06	24.83				

# R4-20-36

R4-20-36 may be used at channelized intersections where there is an adequate acceleration lane to accommodate right turn movements. This sign is generally used when a heavy right turn requires continuous flow for capacity purposes.



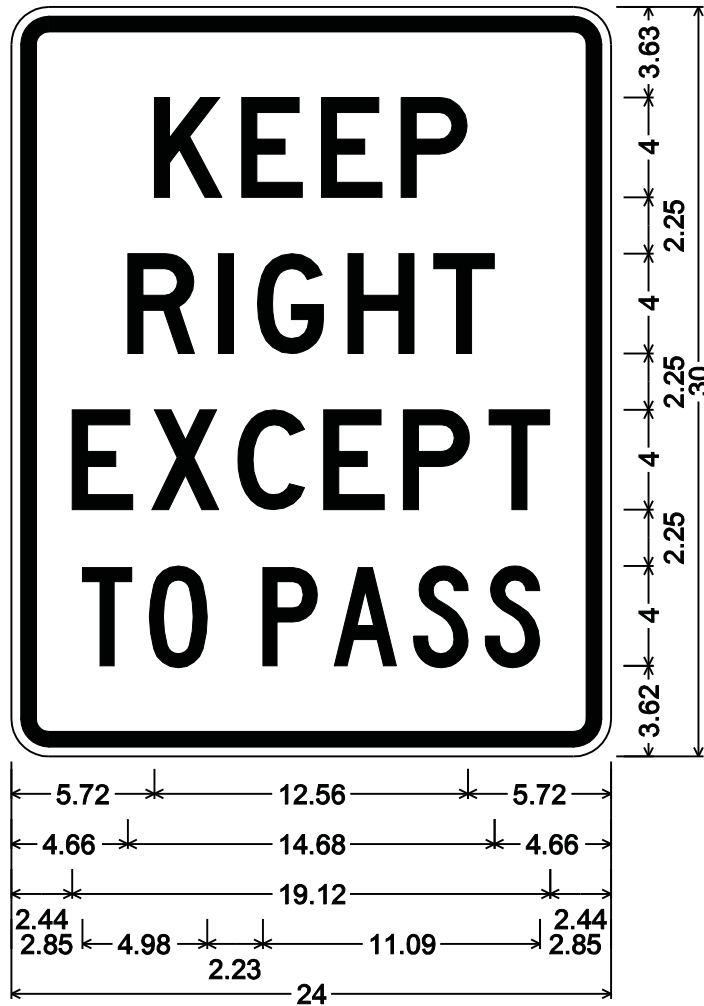
R4-20-36;

2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [KEEP] D; [MOVING] D; [CHANGE] D; [LANES] D; [LATER] D;  
 Table of distances between letter and object lefts.

10.15	K	E	E	P	10.15		
4.37	3.99	3.98	3.36				
5.99	M	O	V	I	N	G	5.99
5.04	4.45	4.69	1.95	4.53	3.36		
5.09	C	H	A	N	G	E	5.09
4.30	4.29	5.12	4.53	4.53	3.05		
7.82	L	A	N	E	S	7.82	
3.36	5.12	4.53	3.99	3.36			
8.41	L	A	T	E	R	8.41	
3.36	4.49	3.99	3.98	3.36			

# R4-21-24

R4-21-24 is intended for use at the beginning of a passing lane developed on a two lane highway. It's placement should be near the beginning of the passing lane.



R4-21-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 [KEEP] D; [RIGHT] D; [EXCEPT] D;  
 [TO] C; [PASS] C;

Table of distances between letter and object lefts.

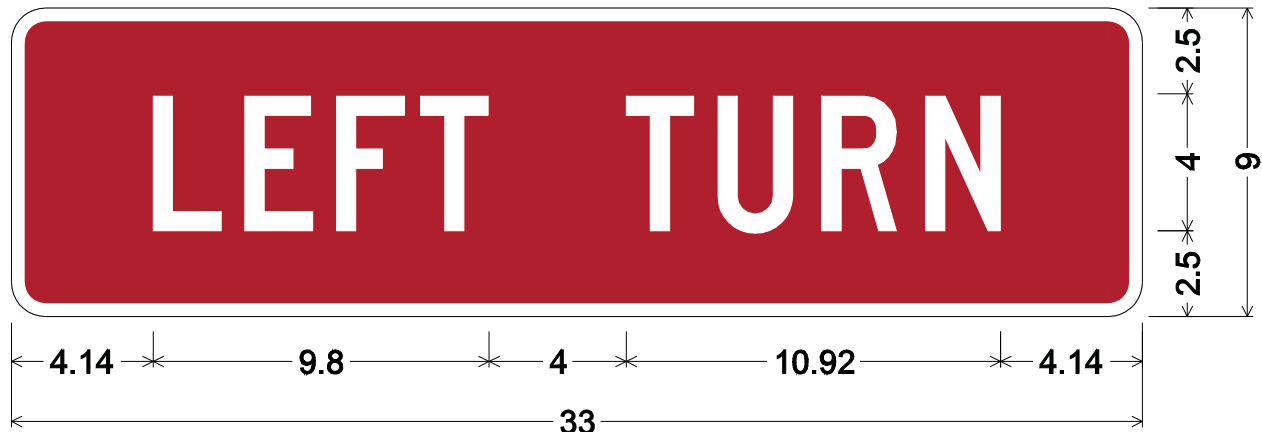
5.72	K	E	E	P	5.72		
	3.50	3.19	3.18	2.69			
4.66	R	I	G	H	T	4.66	
	3.62	1.56	3.63	3.44	2.43		
2.44	E	X	C	E	P	T	2.44
	3.18	3.44	3.44	3.19	3.43	2.44	
2.85	T	O	P	A	S	S	2.85
	2.67	4.54	2.87	3.17	2.87	2.18	





# R1-2.5-33

When a Left Turn Yield sign is determined to be appropriate, R1-2.5-33 shall be installed over a standard yield sign. The sign should be installed near the point where the left turn is to be executed.



R1-2.5-33; 1.00" Radius, 0.38" Border, White on Red;

[LEFT] C; [TURN] C;

Table of distances between letter and object lefts.

	<b>L</b>	<b>E</b>	<b>F</b>	<b>T</b>	<b>T</b>	<b>U</b>	<b>R</b>	<b>N</b>	
<b>4.14</b>	<b>2.67</b>	<b>2.68</b>	<b>2.45</b>	<b>6.00</b>	<b>2.68</b>	<b>3.03</b>	<b>3.03</b>	<b>2.18</b>	<b>4.14</b>



## R12-4.5-36 & R12-4.6-36

When a bridge inspection identifies that the allowed load on a bridge must be reduced in accordance with [Engineering Directive Memorandum 11](#) R12-4.5-36 shall be erected at the bridge. If appropriate, Load Notice Ahead sign R12-4.6-36 should be placed at the nearest point that allows trucks to turn around or take an alternate route. Also in accordance with [Engineering Directive Memorandum 11](#) a “New” plaque (W16-20-24) shall be installed when the load limits are initially placed or are changed.



### R12-4.5-36

2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;

[LOAD] C; [NOTICE] C;

2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;

[WEIGHT] C; [LIMIT] C; [2] B; [TONS] B; [PER] B; [AXLE] B; [10] B; [TONS] B;

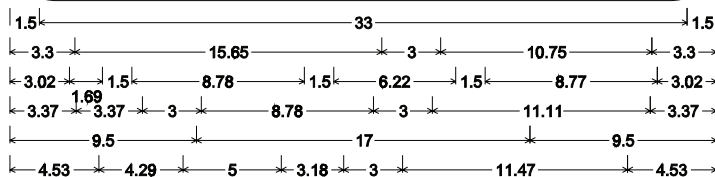
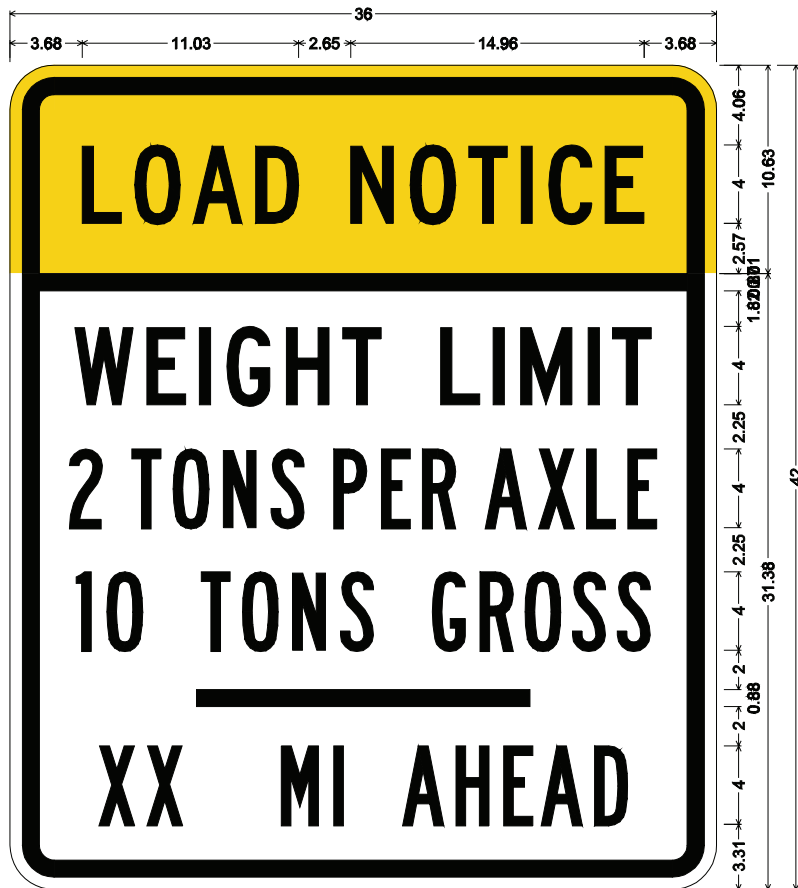
[GROSS] B;

Table of distances between letter and object lefts.

3.68	L	O	A	D	N	O	T	I	C	E	3.68		
	2.68	2.98	3.18	4.84	3.03	2.99	2.67	1.41	2.86	2.00			
1.50	33.00	1.50											
3.30	W	E	I	G	H	T	L	I	M	I	T	3.30	
	3.67	2.68	1.40	3.03	2.87	5.00	2.67	1.41	3.43	1.24	2.00		
3.02	2	T	O	N	S	P	E	R	A	X	L	E	3.02
	3.19	2.10	2.56	2.43	3.19	2.43	2.10	3.19	2.72	2.45	2.10	1.50	
3.37	1	O	T	O	N	S	G	R	O	S	S	3.37	
	1.56	4.81	2.10	2.56	2.43	4.69	2.43	2.29	2.41	2.29	1.69		



R12-4.5-36 & R12-4.6-36



R12-4.6-36

2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;

[LOAD] C; [NOTICE] C;

2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;

[WEIGHT] C; [LIMIT] C; [2] B; [TONS] B; [PER] B; [AXLE] B; [10] B; [TONS] B;

[GROSS] B; [XX] B; [MI] B; [AHEAD] B;

Table of distances between letter and object lefts.

3.68	L	O	A	D	N	O	T	I	C	E	3.68
	2.68	2.98	3.18	4.84	3.03	2.99	2.67	1.41	2.86	2.00	

1.50	33.00	1.50
------	-------	------

3.30	W	E	I	G	H	T	L	I	M	I	T	3.30
	3.67	2.68	1.40	3.03	2.87	5.00	2.67	1.41	3.43	1.24	2.00	

3.02	2	T	D	N	S	P	E	R	A	X	L	E	3.02
	3.19	2.10	2.56	2.43	3.19	2.43	2.10	3.19	2.72	2.45	2.10	1.50	

3.37	I	O	T	O	N	S	G	R	O	S	S	3.37
	1.56	4.81	2.10	2.56	2.43	4.69	2.43	2.29	2.41	2.29	1.69	

9.50	17.00	9.50
------	-------	------

4.53	X	X	M	I	A	H	E	A	D	4.53
	2.44	6.85	2.68	3.50	2.72	2.44	1.90	2.72	1.69	



# R5-21-30

R5-21-30 may be used with the No Trucks sign (R5-2) when a local ordinance restricts truck traffic to local deliveries only.



R5-21-30; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[LOCAL] C; [DELIVERIES] C; [ONLY] C;

Table of distances between letter and object lefts.

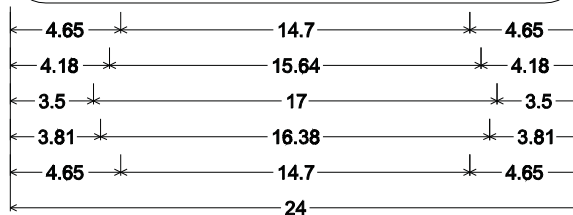
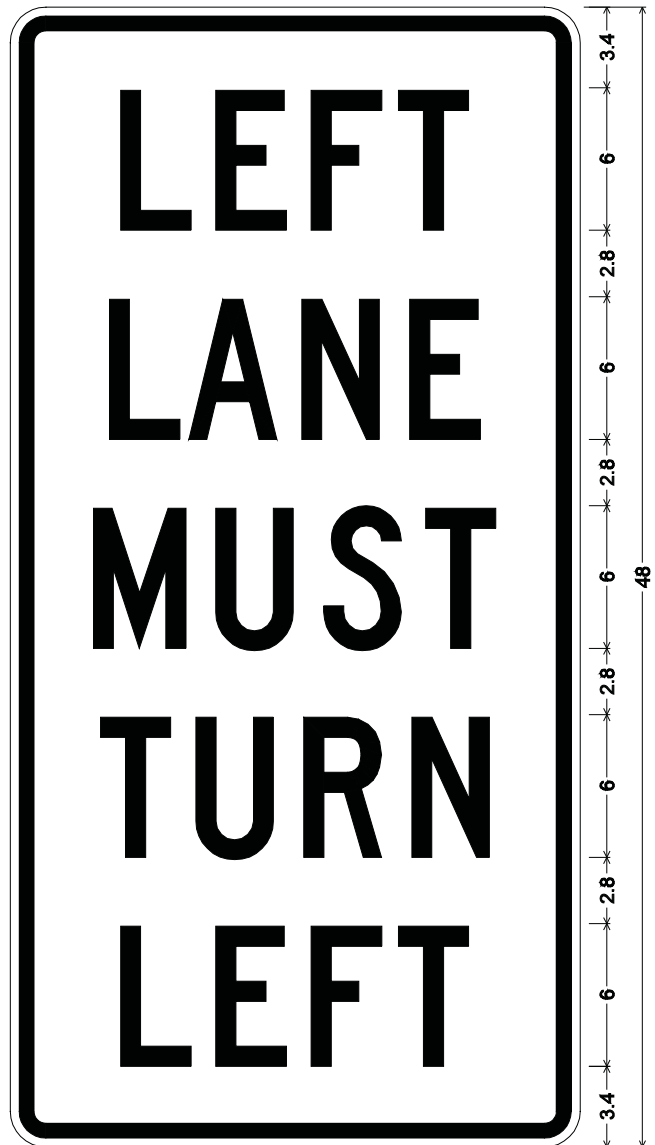
8.26	L	O	C	A	L	8.26					
2.68	2.68	2.98	2.64	3.18	2.00						
2.65	D	E	L	I	V	E	R	I	E	S	2.65
	3.03	2.67	2.68	1.24	3.11	2.67	3.03	1.41	2.67	2.19	
9.54	O	N	L	Y	9.54						
	3.16	3.03	2.23	2.50							



Regulatory Signs — Modified Left Lane Must Turn Left  
Modified Right Lane Must Turn Right

R3-7AL-24 & R3-7AR-24

In most situations sign number R3-7 from the MUTCD should be used to advise motorists that the left or right turn lane is a mandatory movement lane. R3-7AL-24 or R3-7AR-24 may be used in areas of limited right-of-way as a substitute for the R3-7 sign.



R3-7AL-24;

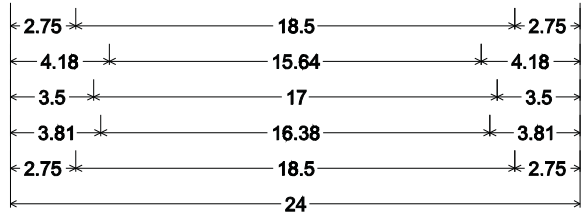
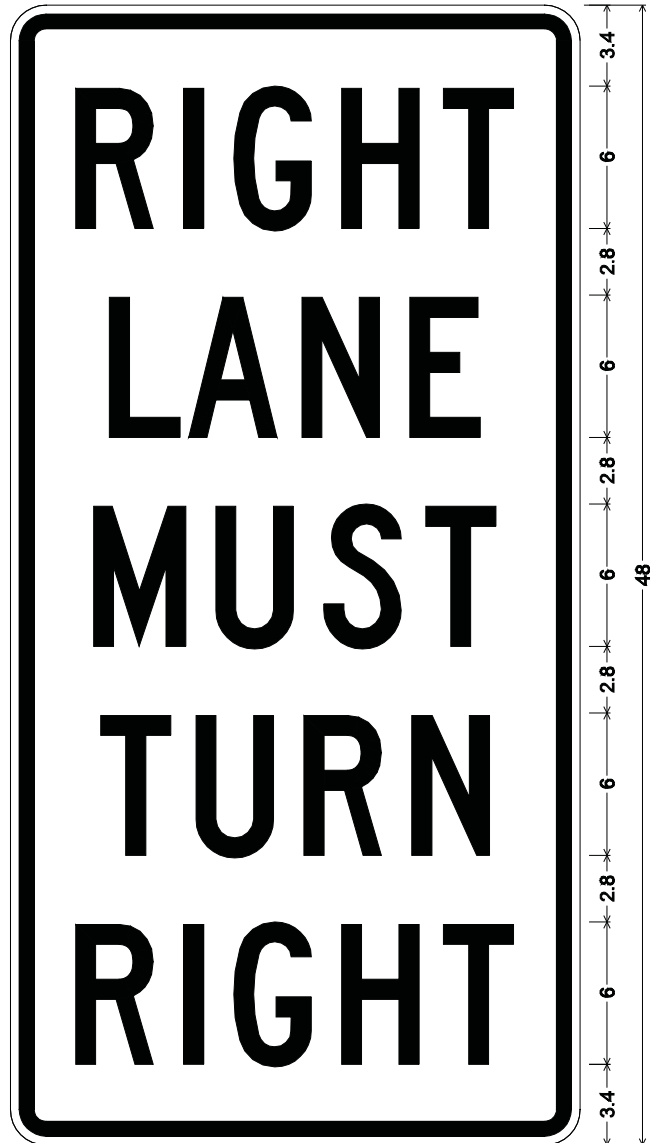
1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
[LEFT] C; [LANE] C; [MUST] C; [TURN] C; [LEFT] C;

Table of distances between letter and object lefts.

4.65	L	E	F	T	4.65
	4.01	4.01	3.68	3.00	
4.18	L	A	N	E	4.18
	3.34	4.76	4.54	3.00	
3.50	M	U	S	T	3.50
	5.16	4.54	4.30	3.00	
3.81	T	U	R	N	3.81
	4.01	4.55	4.54	3.28	
4.65	L	E	F	T	4.65
	4.01	4.01	3.68	3.00	



R3-7AL-24 & R3-7AR-24



R3-7AR-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
[RIGHT] C; [LANE] C; [MUST] C; [TURN] C; [RIGHT] C;

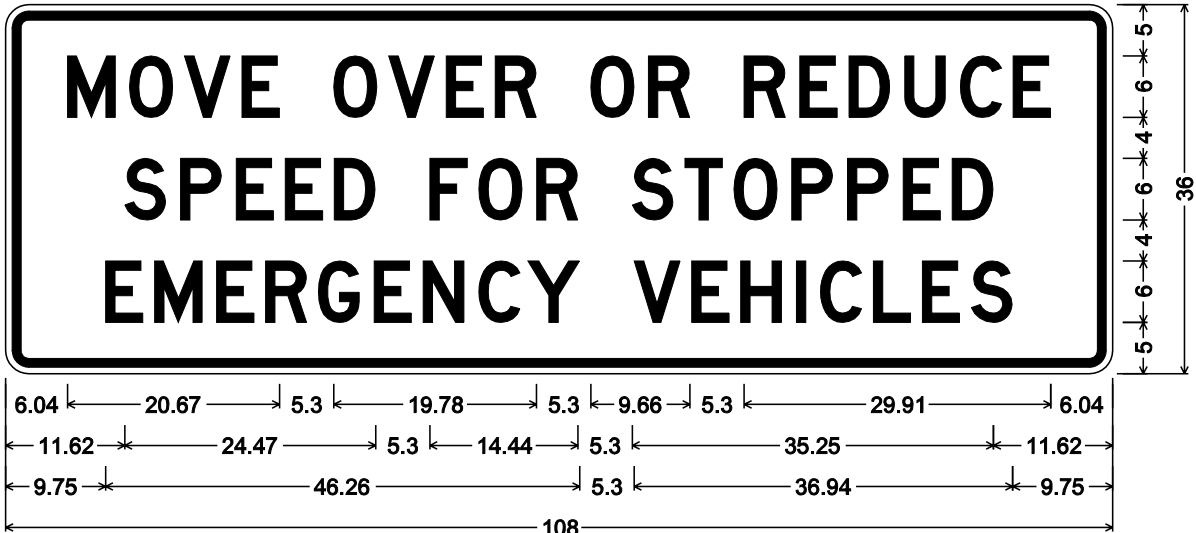
Table of distances between letter and object lefts.

2.75	R	I	G	H	T	2.75
	4.55	2.11	4.54	4.30	3.00	
4.18	L	A	N	E	4.18	
	3.34	4.76	4.54	3.00		
3.50	M	U	S	T	3.50	
	5.16	4.54	4.30	3.00		
3.81	T	U	R	N	3.81	
	4.01	4.55	4.54	3.28		
2.75	R	I	G	H	T	2.75
	4.55	2.11	4.54	4.30	3.00	



# R22-4-108

[Traffic Engineering Guideline 22](#) was developed in accordance with Section 56-5-1538(G) of the SC Code of Laws. The guideline describes the purpose of the law and the recommended placement of R22-4-108.



R22-4-108; 2.25" Radius, 0.87" Border, 0.63" Indent, Black on White;  
 [MOVE] D; [OVER] D; [OR] D; [REDUCE] D; [SPEED] D; [FOR] D; [STOPPED] D;  
 [EMERGENCY] D; [VEHICLES] D;

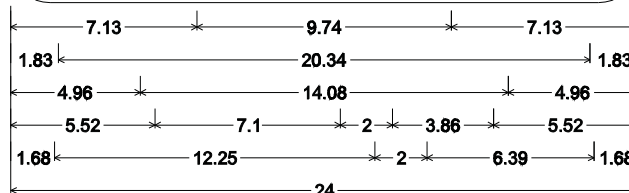
Table of distances between letter and object lefts.

6.04	M	6.05	O	5.34	V	5.63	E	8.95	O	5.35	V	5.62	E	4.78	R	9.33	O	5.63	R	9.33	R	5.44	E	4.78	D	5.44	U	5.44	C	5.15	E	3.66	6.04		
11.62	S	5.44	P	5.44	E	4.78	E	4.78	D	9.33	F	4.78	O	5.63	R	9.33	S	5.15	T	4.79	O	5.62	P	5.44	P	5.44	E	4.78	D	4.03	11.62				
9.75	E	4.78	M	6.05	E	4.78	R	5.15	G	5.44	E	4.78	N	5.44	C	4.78	Y	10.36	V	5.63	E	4.78	H	5.44	I	2.34	C	5.16	L	4.78	E	4.78	S	4.03	9.75



# R8-1.5-24 & R8-1.6-24

R8-1.5-24 may be used where sight distance may be restricted by vehicles parking within the right-of-way. The sign is used in conjunction with a painted yellow line an appropriate distance from the edge of the pavement. Where it is not appropriate to paint a yellow line, R8-1.6-24 may be used.



R8-1.5-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Red on White; [NO] D 106% spacing; [PARKING] C 50% spacing; [HIGHWAY] C; [SIDE] C; [OF] C; [YELLOW] C 75% spacing; [LINE] C 75% spacing; Table of distances between letter and object lefts.

7.13	N	O	7.13
5.52		4.22	
1.83	P	A	R
3.15		3.55	3.26
	K	I	N
3.16		1.23	3.26
	G		2.73
1.83			1.83
4.96	H	I	G
2.27		1.05	2.28
	H	W	A
2.14		2.42	2.05
	Y		1.87
4.96			4.96
5.52	S	I	D
2.27		1.05	2.28
	E	O	F
3.50		2.36	1.50
5.52			5.52
1.68	Y	E	L
2.25		1.88	1.88
	L	O	W
1.88		2.11	4.25
	L	I	N
1.88		0.90	2.11
	E		1.50
1.68			1.68





# R8-1.5-24 & R8-1.6-24



R8-1.6-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Red on White; [NO] D 106% spacing; [PARKING] C 50% spacing; [HIGHWAY] C; [SIDE] C; [OF] C; [THIS] C; [SIGN] C; Table of distances between letter and object lefts.

7.13	N	O	4.22	7.13						
1.83	P	A	3.55	R	K	I	N	G	1.83	
4.96	H	I	1.05	G	H	W	A	Y	4.96	
5.52	S	I	1.05	D	E	O	F	5.52		
3.89	T	H	1.06	I	S	S	I	G	N	
			2.27	1.06	3.64	2.27	1.05	2.28	1.64	3.89

# R8-1B-24

R8-1B-24 may be used where there is a documented safety or maintenance problem with vehicles parking on the shoulder of the road.



R8-1B-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Red on White;

[NO] D; [PARKING] C 50% spacing; [ON] D;

[SHOULDER] D;

Table of distances between letter and object lefts.

7.98	N	O	7.98						
4.53		3.51							
1.83	P	A	R	K	I	N	G	1.83	
3.15		3.55	3.26	3.16	1.23	3.26	2.73		
9.59	O	N	9.59						
2.81		2.01							
1.76	S	H	O	U	L	D	E	R	1.76
2.72		2.72	2.81	2.72	2.39	2.72	2.39	2.01	

# R8-1A-24

R8-1A-24 may be used where there is a documented problem with vehicles parking on and restricting the use of a sidewalk.



R8-1A-24;

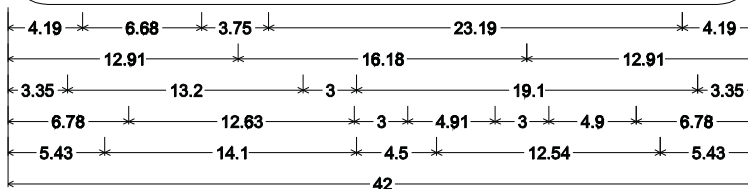
1.50" Radius, 0.63" Border, 0.38" Indent, Red on White;  
 [NO] D; [PARKING] C 50% spacing; [ON] D; [SIDEWALK] D;  
 Table of distances between letter and object lefts.

7.98	N	O	7.98							
4.53		3.51								
1.83	P	A	R	K	I	N	G	1.83		
3.15		3.55	3.26	3.16	1.23	3.26	2.73			
9.59	O	N	9.59							
2.81		2.01								
2.43	S	I	D	E	W	A	L	K	2.43	
2.71		1.18	2.72	2.20	2.81	3.07	2.39	2.06		



# R4-1.5-42

R4-1.5-42 may be used to reinforce the state law that prohibits passing across a solid yellow line. The use of this sign should be limited to areas where there is documented evidence of improper passing.



R4-1.5-42; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [NO] C; [PASSING] C; [WHEN] E; [SOLID] B 60% spacing; [YELLOW] B 60% spacing;  
 [LINE] E; [IS] E; [IN] E; [YOUR] B; [LANE] B;

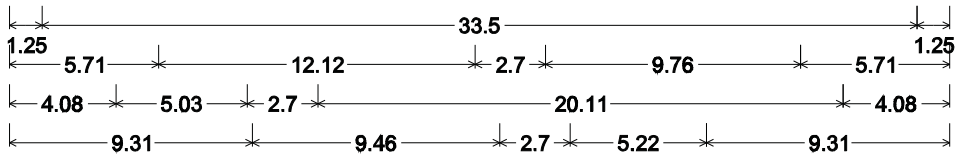
Table of distances between letter and object lefts.

4.19	N	O	P	A	S	S	I	N	G	4.19		
3.79	3.79	6.64	3.58	3.97	3.58	3.78	1.76	3.79	2.73	4.19		
12.91	W	H	E	N	12.91							
5.01	5.01	4.22	3.76	3.19	12.91							
3.35	S	O	L	I	D	Y	E	L	L	O	W	3.35
3.07	3.07	3.39	2.79	1.42	5.53	3.73	2.79	2.79	2.79	3.25	3.75	3.35
6.78	L	I	N	E	I	S	I	N	6.78			
3.76	3.76	1.72	4.21	5.94	1.72	6.19	1.72	3.18	6.78			
5.43	Y	O	U	R	L	A	N	E	5.43			
4.09	4.09	3.83	3.65	7.03	2.55	4.09	3.65	2.25	5.43			



# R24-5-36 & R24-6-36

When changing the yield condition from one movement to another at a channelized intersection or interstate ramp, R24-5-36 should be erected approximately two weeks before making the change. When a new yield sign is to be installed, R24-6-36 should be erected in the area of the proposed new Yield sign.



R24-5-36;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[NOTICE] D;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[YIELD] C; [WILL] C; [BE] C; [REMOVED] C; [MMM] C; [DD] C;

Table of letter and object lefts.

N	O	T	I	C	E
9.09	12.72	16.28	19.47	21.03	24.47

—
1.25

Y	I	E	L	D	W	I	L	L
5.71	8.89	10.29	12.97	15.64	20.53	24.21	25.61	28.29

B	E	R	E	M	O	V	E	D
4.08	7.11	11.81	14.84	17.52	20.95	23.94	27.05	29.73

M	M	M	D	D
9.31	12.74	16.18	21.47	24.50



# R24-5-36 & R24-6-36



R24-6-36;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[NOTICE] D;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[YIELD] C; [WILL] C; [BE] C; [INSTALLED] C; [MMM] C; [DD] C;

Table of letter and object lefts.

N	O	T	I	C	E
9.09	12.72	16.28	19.47	21.03	24.47

—
1.25

Y	I	E	L	D	W	I	L	L
5.71	8.89	10.29	12.97	15.64	20.53	24.21	25.61	28.29

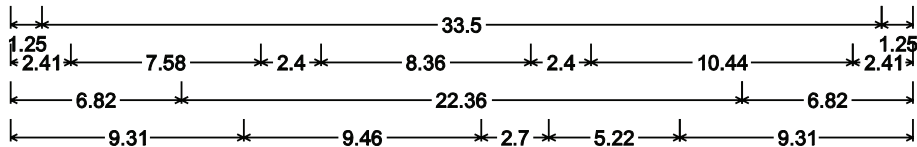
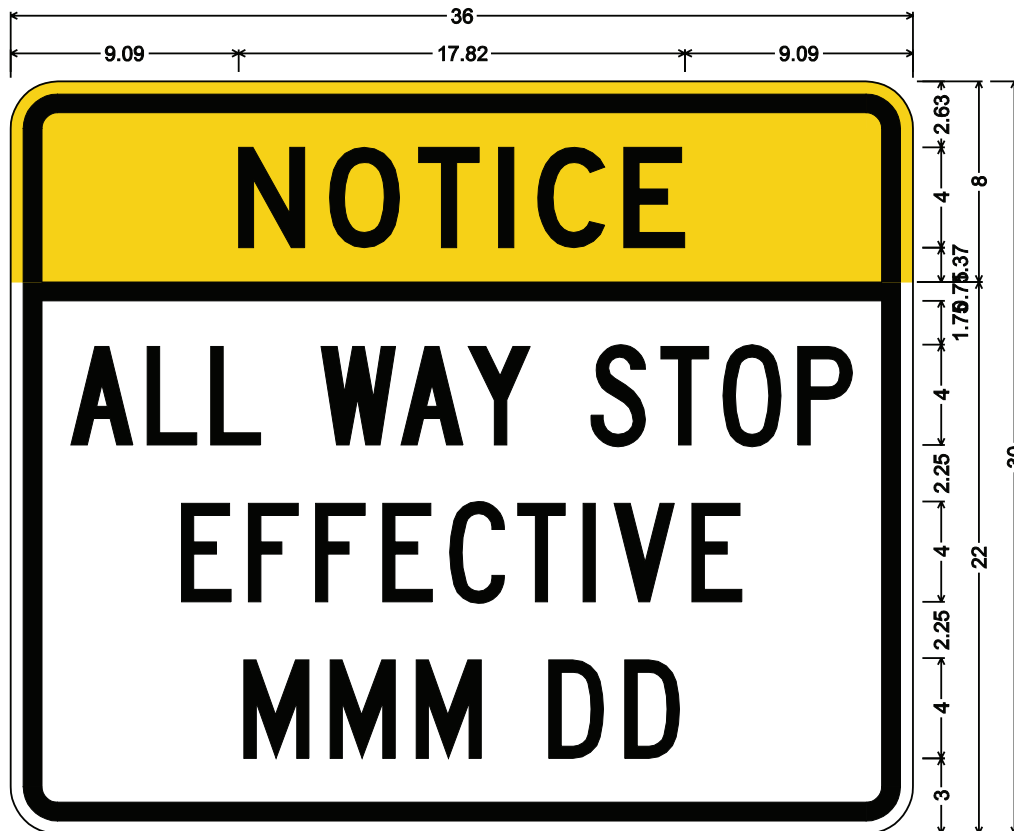
B	E	I	N	S	T	A	L	L	E	D
2.68	5.71	10.41	11.81	14.84	17.71	19.93	23.11	25.78	28.46	31.13

M	M	M	D	D
9.31	12.74	16.18	21.47	24.50



# R24-1-36

In accordance with [Engineering Directive Memorandum 6](#), R24-1-36 shall be installed prior to converting a two way stop to an all way stop. The sign should be posted approximately two weeks prior to converting the intersection. All other provisions of Engineering Directive Memorandum 6 are to be followed.



R24-1-36;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[NOTICE] D;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[ALL] C 80% spacing; [WAY] C 80% spacing; [STOP] C 80% spacing; [EFFECTIVE] C;

[MMM] C; [DD] C;

Table of distances between letter and object lefts.

9.09	N	O	T	I	C	E	9.09
3.63	3.56	3.19	1.56	3.44	2.44		

1.25	33.50	1.25
------	-------	------

2.41	A	L	L	W	A	Y	S	T	O	P	2.41
3.04	2.54	4.40	3.18	2.68	4.90	2.73	2.54	2.99	2.18		

6.82	E	F	F	E	C	T	I	V	E	6.82
2.67	2.68	2.67	2.68	2.64	2.67	1.24	3.11	2.00		

9.31	M	M	M	D	D	9.31
3.43	3.44	5.29	3.03	2.19		



# OHR1-1-96

When used to provide additional emphasis of a stop condition sign number OHR1-1-96 shall be used. This sign is mounted overhead and may be supplemented by red flashing beacons.



OHR1-1-96; 1.88" Radius, 0.75" Border, White on Red;

[STOP] E 115% spacing;

Table of distances between letter and object lefts.

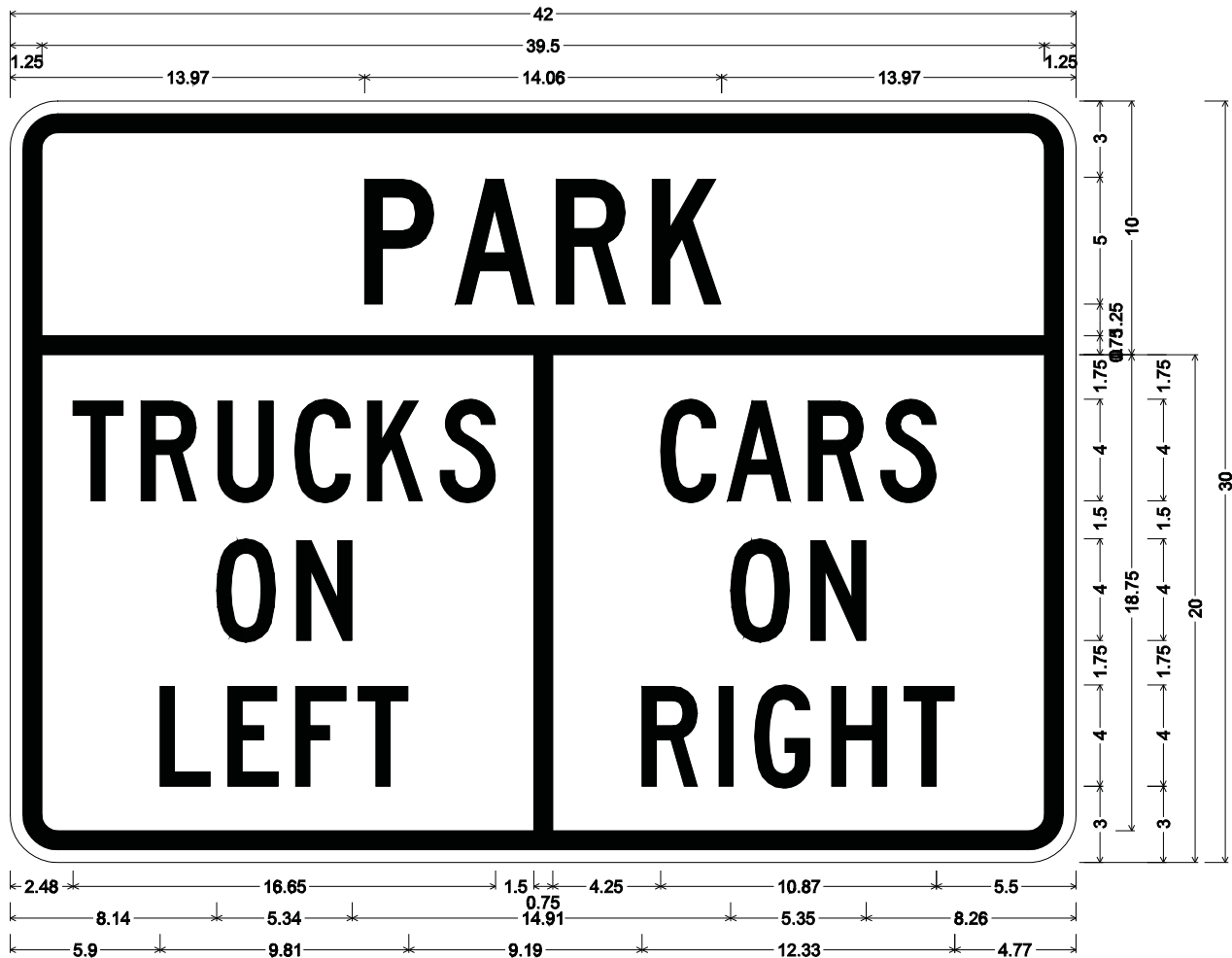
	S	T	O	P	
12.66	18.61	17.48	20.25	14.34	12.66







R8-20A-42, R8-20B-42 & R8-21(A through M)-60



R8-20B-42;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[PARK] C;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[TRUCKS] C; [ON] C; [LEFT] C; [CARS] C; [ON] C; [RIGHT] C;

Table of distances between letter and object lefts.

	P	A	R	K	
13.97	3.57	3.97	3.79	2.73	13.97

1.25	39.50	1.25
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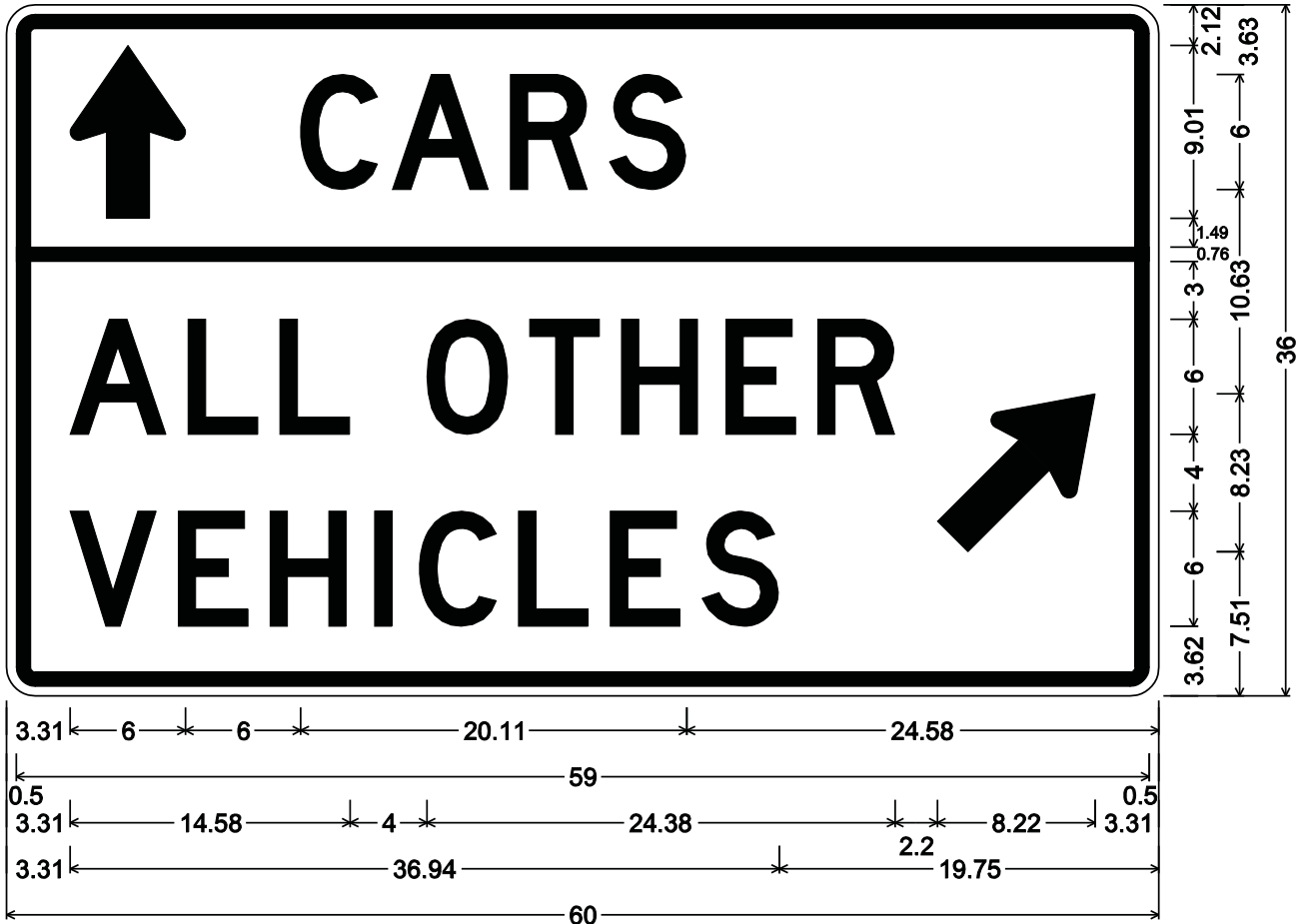
2.48	T	R	U	C	K	S	I	C	A	R	S	5.50
2.68	3.03	3.03	2.86	2.86	3.69	5.00	2.64	3.18	2.86	2.19	5.50	

8.14	O	N	O	N	
3.15	17.10	3.16	2.19	8.26	

5.90	L	E	F	T	R	I	G	H	T	
2.68	2.68	2.45	11.19	3.03	1.41	3.02	2.87	2.00	4.77	



R8-20A-42, R8-20B-42 & R8-21(A through M)-60

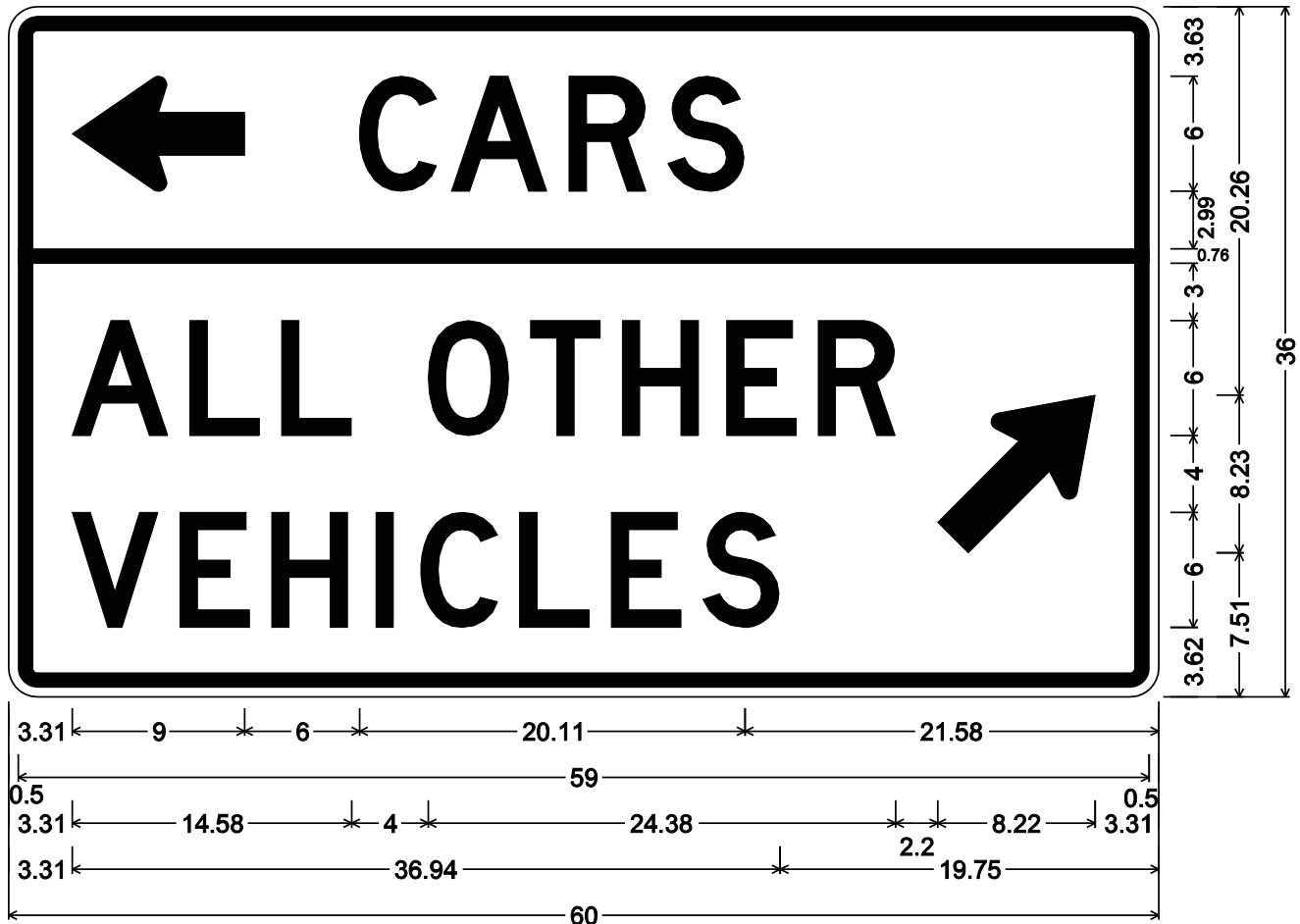


R8-21a-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 9.00" X 6.00" 90°; [CARS] D; [ALL] D; [OTHER] D;  
 [VEHICLES] D; Standard Arrow Custom 10.50" X 6.00" 45°;  
 Table of distances between letter and object lefts.

3.31	↑	C	A	R	S	24.58				
3.31	12.00	4.78	6.15	5.15	4.03	24.58				
0.50	59.00	0.50								
3.31	A	L	L	O	T	H	E	R	↗	3.31
3.31	6.14	4.79	7.65	5.35	4.78	5.43	4.79	6.23	8.22	3.31
3.31	V	E	H	I	C	L	E	S		
3.31	5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03	19.75	



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



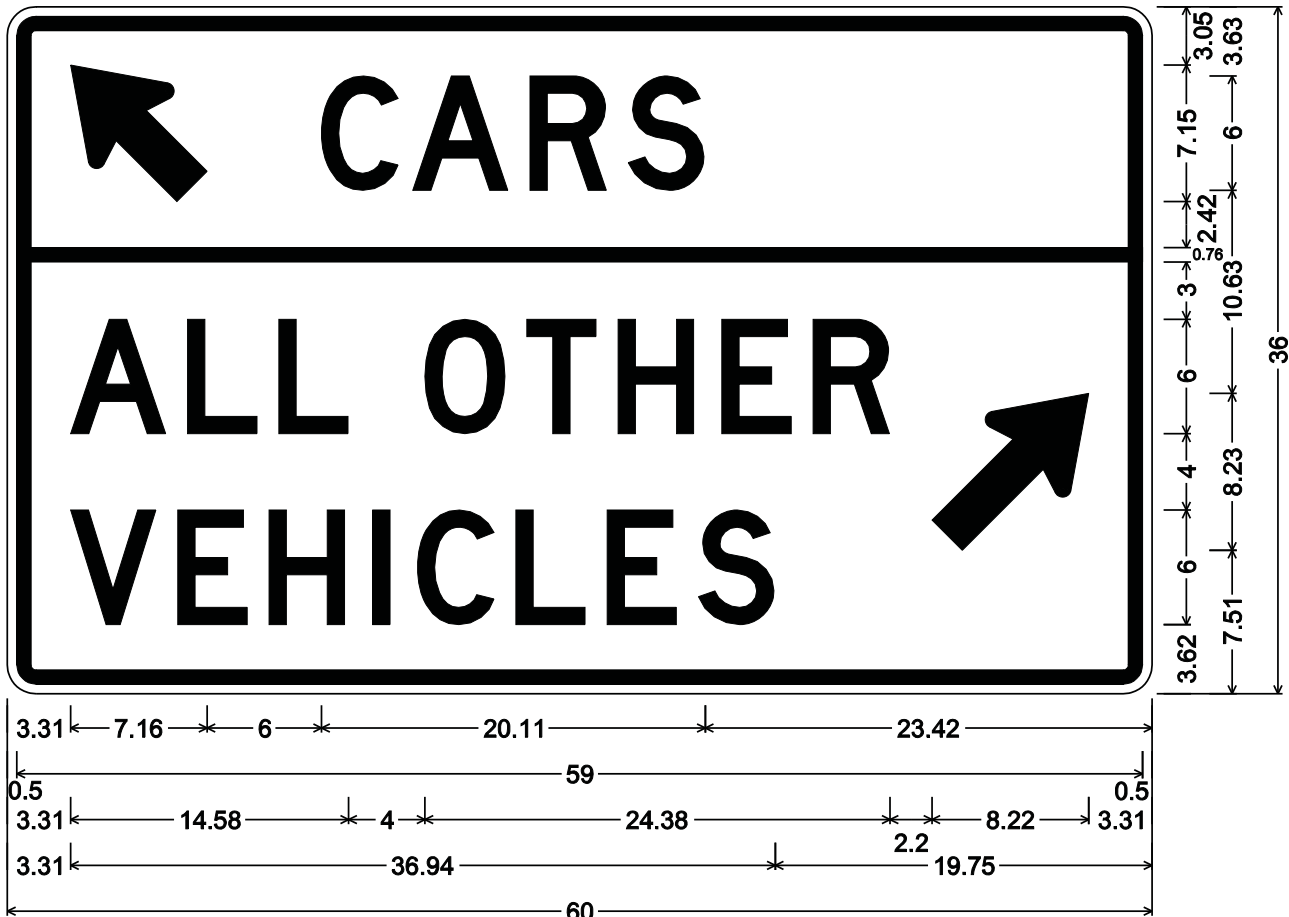
R8-21b-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 9.00" X 6.00" 180°; [CARS] D; [ALL] D; [OTHER] D;  
 [VEHICLES] D; Standard Arrow Custom 10.50" X 6.00" 45°;

Table of distances between letter and object lefts.

3.31	←	C	A	R	S	21.58					
3.31	15.00	4.78	6.15	5.15	4.03	21.58					
0.50	59.00	0.50									
3.31	A	L	L	O	T	H	E	R	↗	8.22	3.31
3.31	6.14	4.79	7.65	5.35	4.78	5.43	4.79	6.23	8.22	3.31	
3.31	V	E	H	I	C	L	E	S			
3.31	5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03	19.75		



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



R8-21c-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 9.00" X 6.00" 135°; [CARS] D; [ALL] D; [OTHER] D;  
 [VEHICLES] D; Standard Arrow Custom 10.50" X 6.00" 45°;  
 Table of distances between letter and object lefts.

3.31		C	A	R	S	23.42
13.16	4.78	6.14	5.16	4.03		

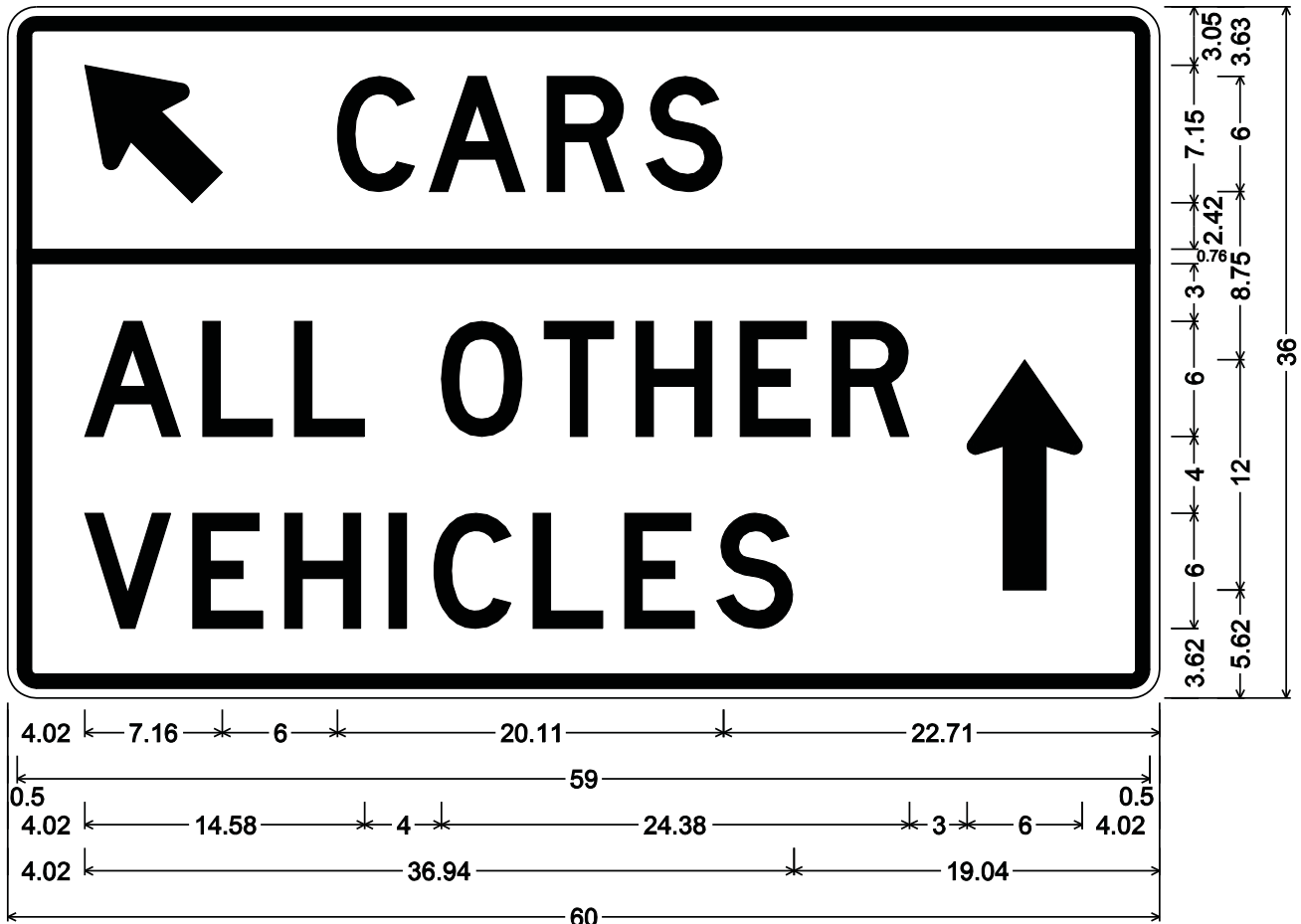
0.50	59.00	0.50
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3.31	A	L	L	O	T	H	E	R		3.31
6.14	4.79	7.65	5.35	4.78	5.43	4.79	6.23	8.22		

3.31	V	E	H	I	C	L	E	S	19.75
5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03		



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



R8-21d-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 9.00" X 6.00" 135°; [CARS] D; [ALL] D; [OTHER] D;  
 [VEHICLES] D; Standard Arrow Custom 12.00" X 6.00" 90°;  
 Table of distances between letter and object lefts.

4.02	↖	C	A	R	S	22.71
4.02	13.16	4.78	6.14	5.16	4.03	22.71

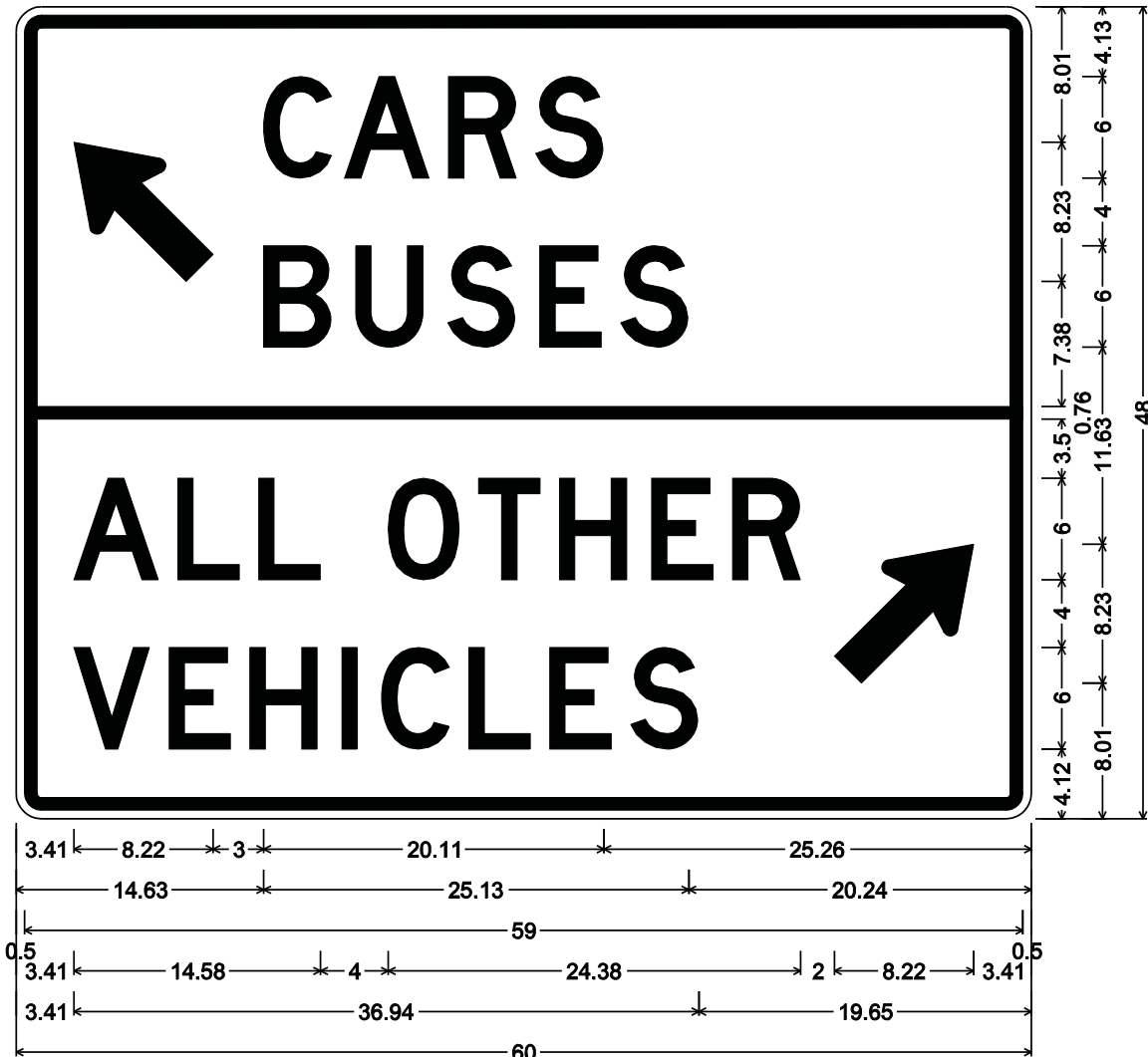
0.50	—	0.50
0.50	59.00	0.50

4.02	A	L	L	O	T	H	E	R	↑	4.02
4.02	6.14	4.79	7.65	5.35	4.78	5.43	4.79	7.03	6.00	4.02

4.02	V	E	H	I	C	L	E	S	19.04
4.02	5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03	19.04



R8-20A-42, R8-20B-42 & R8-21(A through M)-60

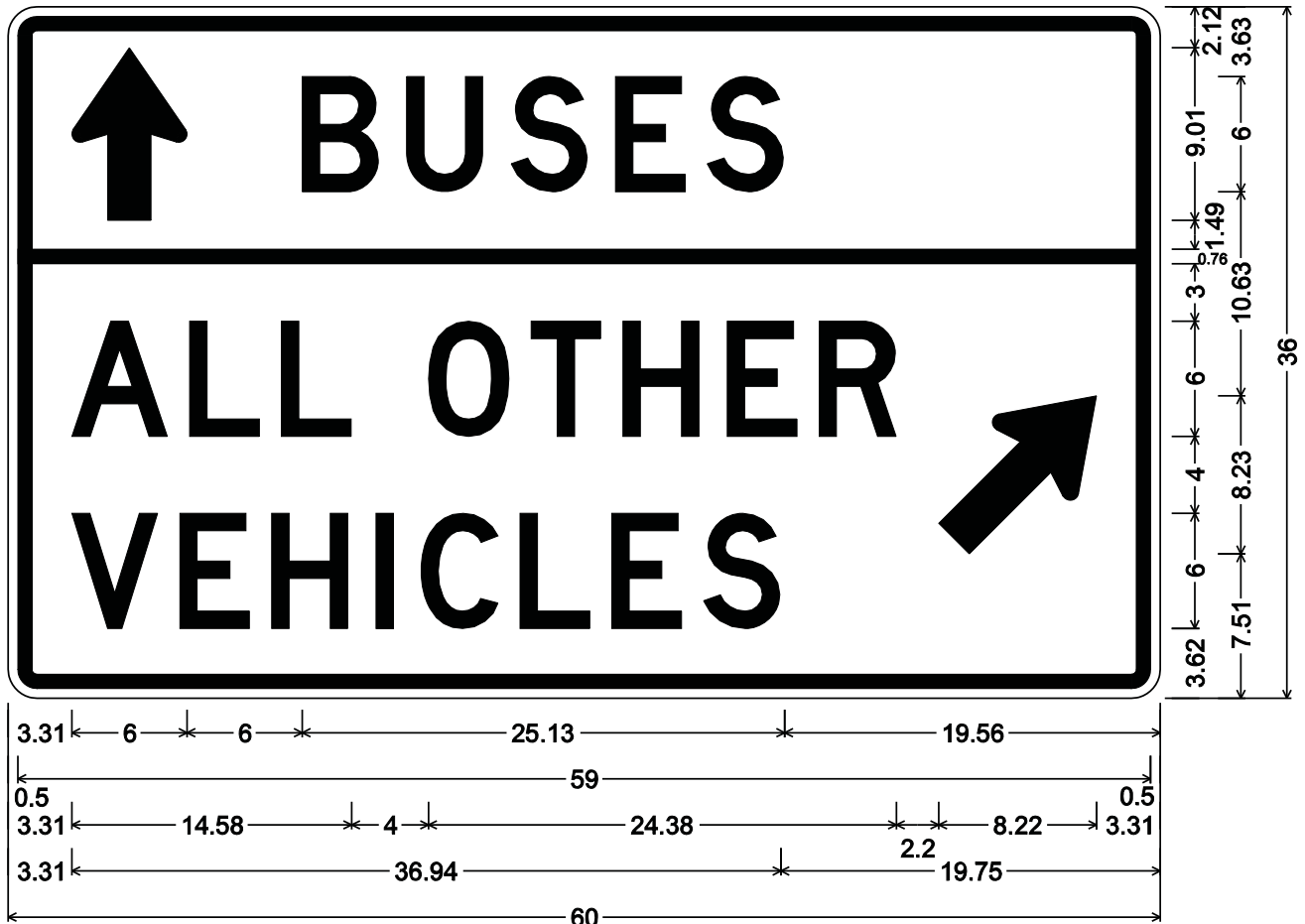


R8-21e-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 10.50" X 6.00" 135°; [CARS] D; [BUSES] D; [ALL] D;  
 [OTHER] D; [VEHICLES] D; Standard Arrow Custom 10.50" X 6.00" 45°;  
 Table of distances between letter and object lefts.

3.41		C	A	R	S	25.26				
14.63	B	U	S	E	S	20.24				
0.50	59.00	0.50								
3.41	A	L	L	O	T	H	E	R		3.41
3.41	V	E	H	I	C	L	E	S	19.65	



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



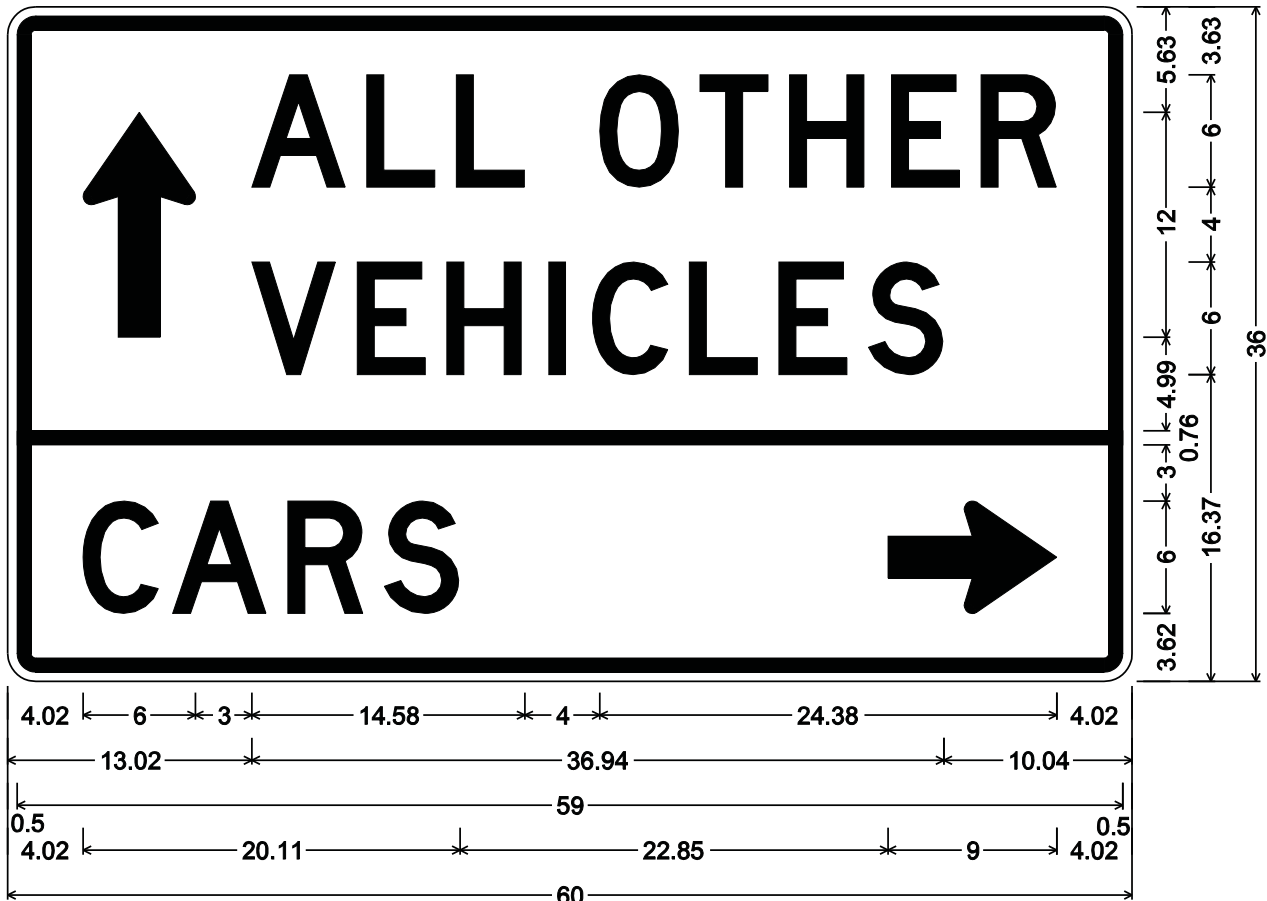
R8-21f-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 9.00" X 6.00" 90°; [BUSES] D; [ALL] D; [OTHER] D;  
 [VEHICLES] D; Standard Arrow Custom 10.50" X 6.00" 45°;  
 Table of distances between letter and object lefts.

3.31	↑	B	U	S	E	S	19.56			
12.00	5.44	5.44	5.44	4.78	4.03					
0.50	59.00	0.50								
3.31	A	L	L	O	T	H	E	R	↗	3.31
6.14	4.79	7.65	5.35	4.78	5.43	4.79	6.23	8.22		
3.31	V	E	H	I	C	L	E	S	19.75	
5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03			





R8-20A-42, R8-20B-42 & R8-21(A through M)-60

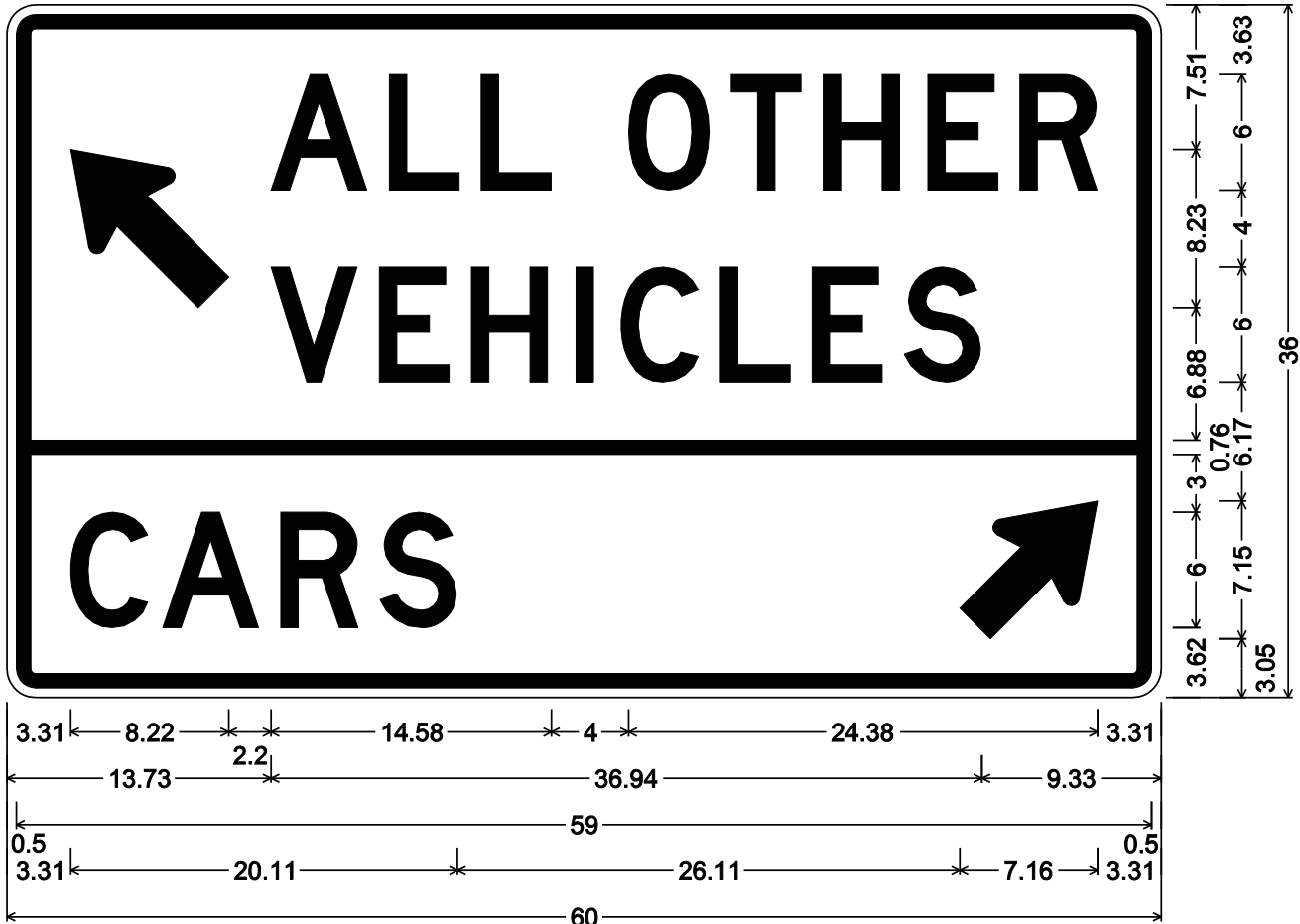


R8-21g-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 12.00" X 6.00" 90°; [ALL] D; [OTHER] D; [VEHICLES] D;  
 [CARS] D; Standard Arrow Custom 9.00" X 6.00" 0°;  
 Table of distances between letter and object lefts.

4.02	↑	A	L	L	O	T	H	E	R	4.02
4.02	9.00	6.14	4.79	7.65	5.35	4.78	5.43	4.79	4.03	4.02
13.02	V	E	H	I	C	L	E	S	10.04	
	5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03		
0.50	—	0.50								
	59.00									
4.02	C	A	R	S	→	4.02				
	4.78	6.15	5.15	26.88	9.00					



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



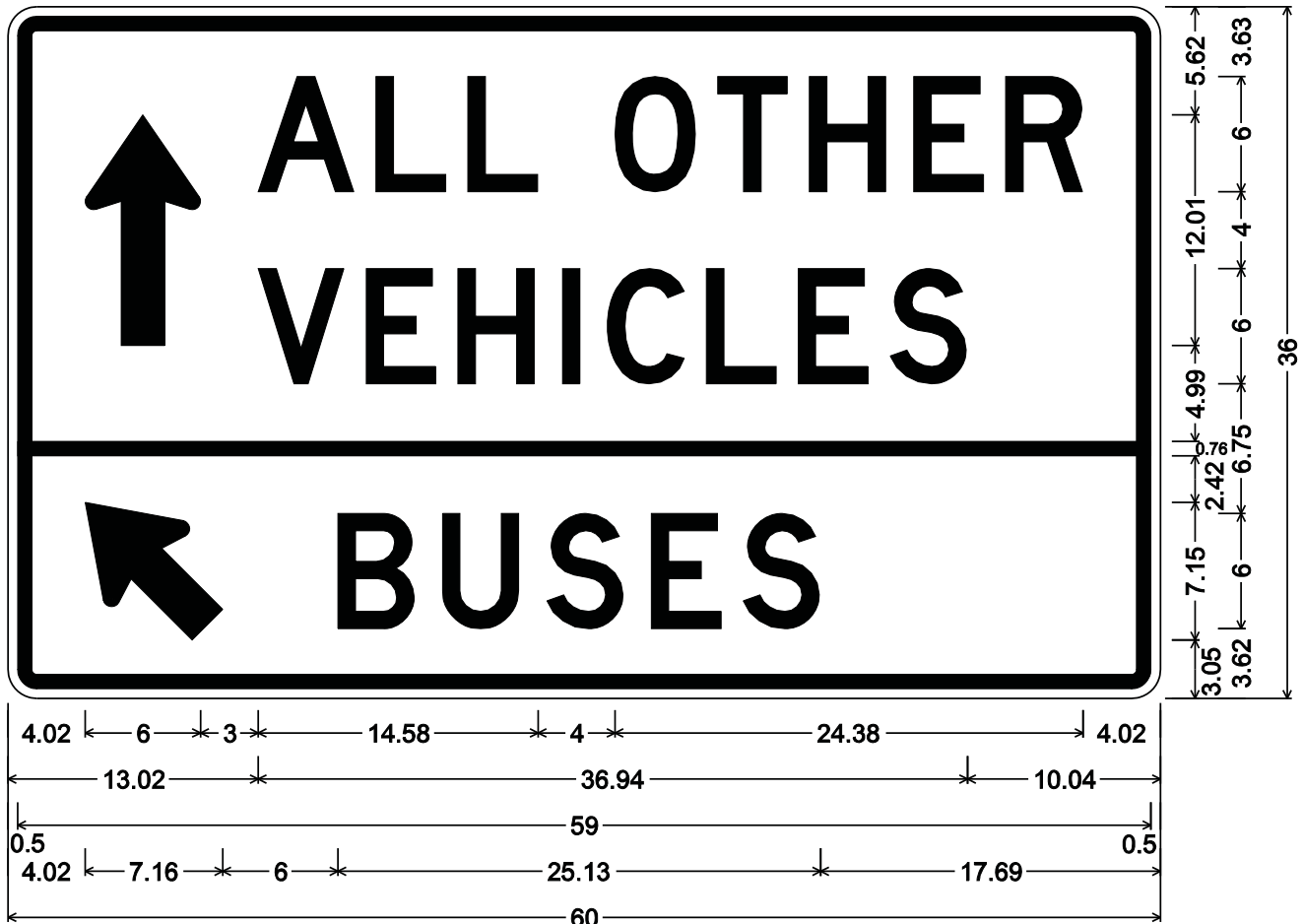
R8-21h-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 10.50" X 6.00" 135°; [ALL] D; [OTHER] D; [VEHICLES] D;  
 [CARS] D; Standard Arrow Custom 9.00" X 6.00" 45°;

Table of distances between letter and object lefts.

3.31	↖	A	L	L	O	T	H	E	R	3.31
	V	E	H	I	C	L	E	S		
0.50	59.00									
3.31	C	A	R	S	↗	3.31				
	4.78	6.15	5.15	30.14	7.16					



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



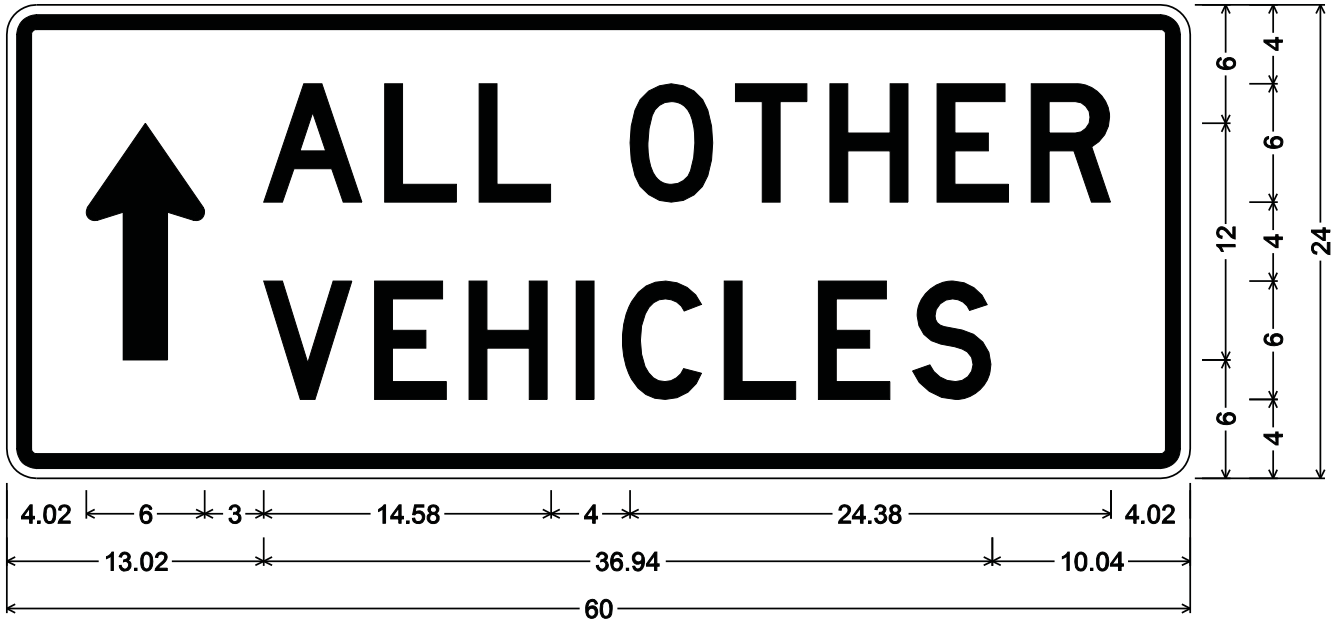
R8-21i-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 12.00" X 6.00" 90°; [ALL] D; [OTHER] D; [VEHICLES] D;  
 Standard Arrow Custom 9.00" X 6.00" 135°; [BUSES] D;

Table of distances between letter and object lefts.

4.02	↑	A	L	L	O	T	H	E	R	4.02
9.00	6.14	4.79	7.65	5.35	4.78	5.43	4.79	4.03	4.02	
13.02	V	E	H	I	C	L	E	S	10.04	
5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03			
0.50	59.00	0.50								
4.02	↖	B	U	S	E	S	17.69			
13.16	5.44	5.44	5.44	4.78	4.03					



R8-20A-42, R8-20B-42 & R8-21(A through M)-60

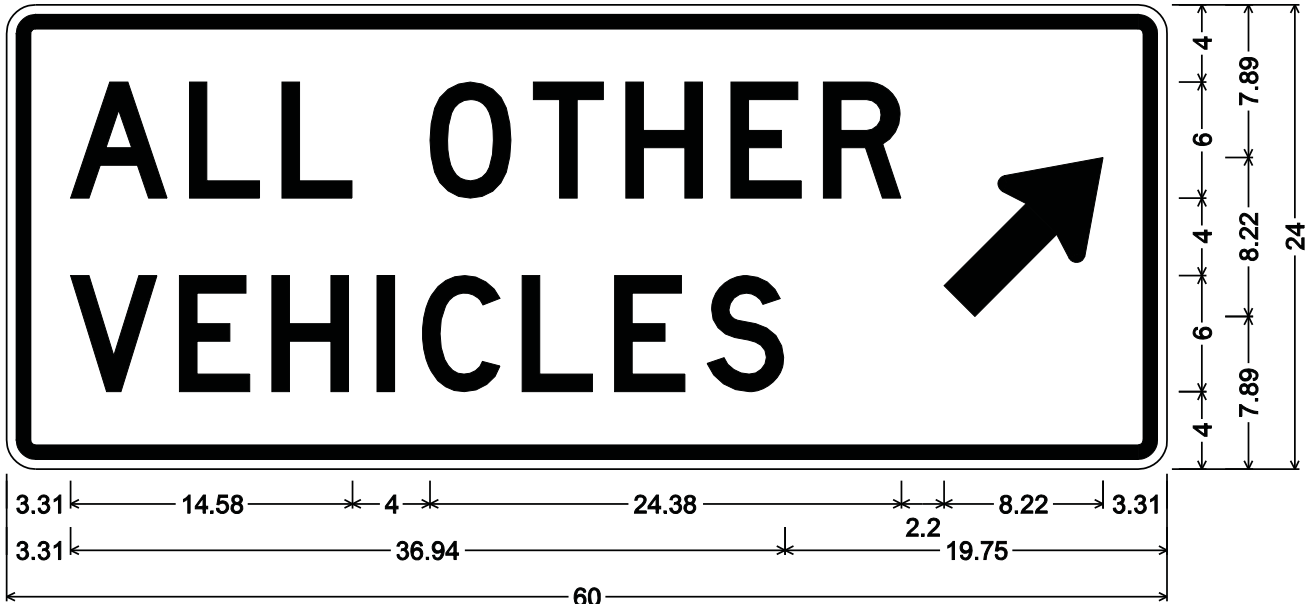


R8-21j-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 Standard Arrow Custom 12.00" X 6.00" 90°; [ALL] D; [OTHER] D; [VEHICLES] D;  
 Table of distances between letter and object lefts.

4.02	↑	A	L	L	O	T	H	E	R	4.02
9.00	6.14	4.79	7.65	5.35	4.78	5.43	4.79	4.03	4.02	
13.02	V	E	H	I	C	L	E	S	10.04	
5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03			



R8-20A-42, R8-20B-42 & R8-21(A through M)-60



R8-21k-60; 1.50" Radius, 0.75" Border, 0.50" Indent, Black on White;

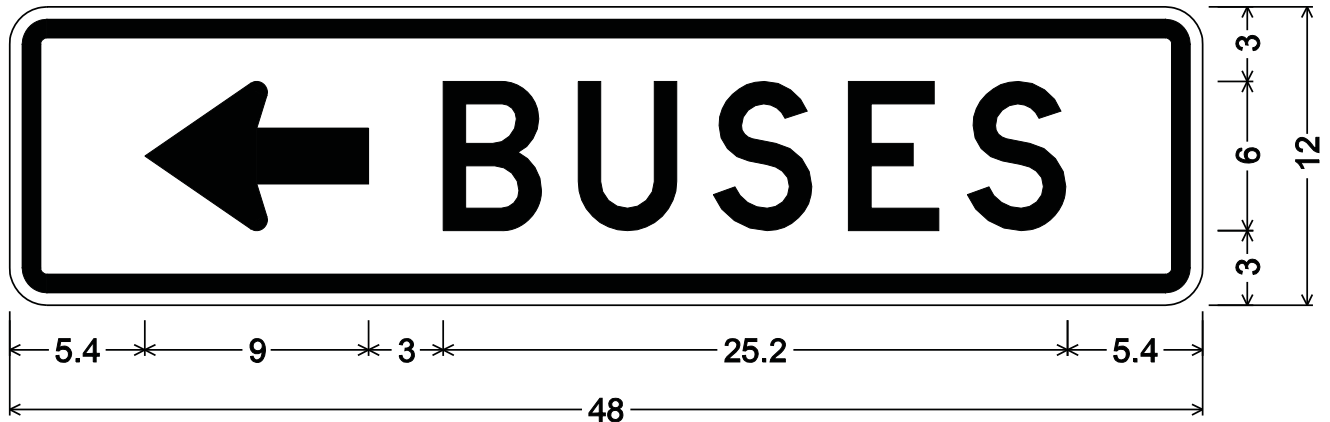
[ALL] D; [OTHER] D; [VEHICLES] D; Standard Arrow Custom 10.50" X 6.00" 45°;

Table of distances between letter and object lefts.

3.31	A	L	L	O	T	H	E	R	↗	3.31
6.14	4.79	7.65	5.35	4.78	5.43	4.79	6.23	8.22		
3.31	V	E	H	I	C	L	E	S		
5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03	19.75		



R8-20A-42, R8-20B-42 & R8-21(A through M)-60

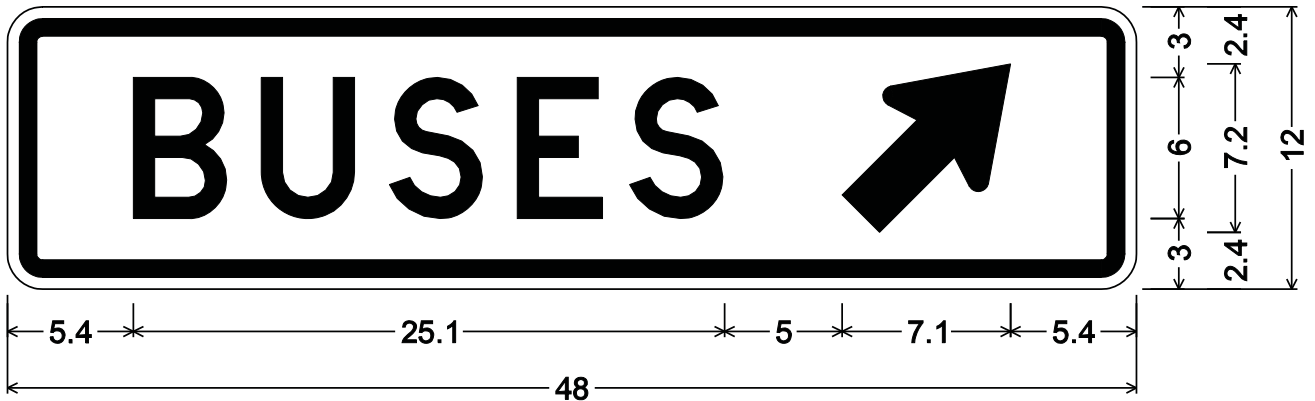


R8-21-48; 1.5" Radius, 0.8" Border, 0.5" Indent, Black on White;  
 Standard Arrow Custom 9.0" X 6.0" 180°; [BUSES] D;  
 Table of distances between letter and object lefts.

	←	B	U	S	E	S	
5.4	12.0	5.5	5.4	5.5	4.7	4.1	5.4




R8-20A-42, R8-20B-42 & R8-21(A through M)-60



R8-21m-48; 1.5" Radius, 0.8" Border, 0.5" Indent, Black on White;

[BUSES] D; Standard Arrow Custom 9.0" X 6.0" 45°;

Table of distances between letter and object lefts.

	<b>B</b>	<b>U</b>	<b>S</b>	<b>E</b>	<b>S</b>		
5.4	5.4	5.4	5.5	4.8	9.0	7.1	5.4



# R7-108.1-12 & R7-108.1-12 (ALT)

R7-108.1-12 or R7-108.1-12 (ALT) may be used to discourage long-term parking within a Welcome Center or Rest Area. It is not necessary to place the sign at each parking space. It should be placed under the Welcome Center or Rest Area activities sign (R7-10-36 or R7-10.1-36).



R7-108.1-12;

1.50" Radius, 0.38" Border, White on Green;

[2] C;

1.50" Radius, 0.38" Border, 0.38" Indent, Green on White;

[HR] C; [PARKING] B specified length;

Table of distances between letter and object lefts.

	2								
1.02	2.19	8.79							
	H	R							
6.25	1.51	1.09	3.15						
	P	A	R	K	I	N	G		
4.15	1.03	1.24	1.08	1.06	0.47	1.08	0.84	1.05	





# R7-108.1-12 & R7-108.1-12 (ALT)



R7-108.1-12 (Alt);

1.50" Radius, 0.38" Border, White on Green;

[90] B;

1.50" Radius, 0.38" Border, 0.38" Indent, Green on White;

[MIN] C; [PARKING] B specified length;

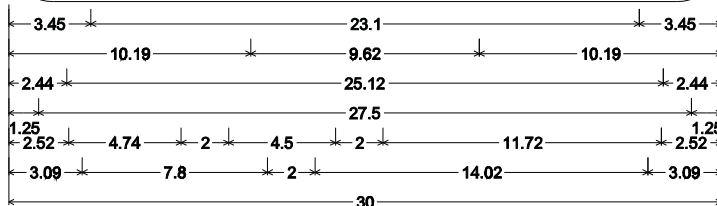
Table of distances between letter and object lefts.

	9	0						
0.58	1.71	1.36	8.35					
	M	I	N					
5.79	1.72	0.70	1.10	2.69				
	P	A	R	K	I	N	G	
4.15	1.03	1.24	1.08	1.06	0.47	1.08	0.84	1.05



# R18-1-30 & R18-1-48

When used to advise motorists of the penalty for littering R18-1-30 should be used. On interstates or major primary routes R18-1-48 may be used. The use of these signs should be limited to areas that have a demonstrated excessive littering problem.



R18-1-30; 1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 [PENALTY] D; [FOR] D; [LITTERING] D; [UP] D; [TO] D; [\$1000] D; [AND] D;  
 [PRISON] D;

Table of distances between letter and object lefts.

3.45	P	3.63	E	3.19	N	3.43	A	4.10	L	2.68	T	2.69	Y	3.38	3.45					
10.19	F	3.18	O	3.78	R	2.68	10.19													
2.44	L	3.18	I	1.38	T	2.69	T	3.18	E	3.19	R	3.63	I	1.56	N	3.63	G	2.68	2.44	
1.25																				
2.52	U	2.72	P	4.02	T	2.39	O	4.11	\$	2.83	I	1.43	O	2.68	O	2.67	O	2.11	2.52	
3.09	A	3.07	N	2.72	D	4.01	P	2.72	R	2.72	I	1.17	S	2.58	O	2.82	N	2.01	3.09	



# R18-1-30 & R18-1-48



R18-1-48; 3.00" Radius, 1.25" Border, 0.75" Indent, Black on White;  
 [PENALTY] D; [FOR] D; [LITTERING] D; [UP] D; [TO] D; [\$1000] D; [AND] D;  
 [PRISON] D;

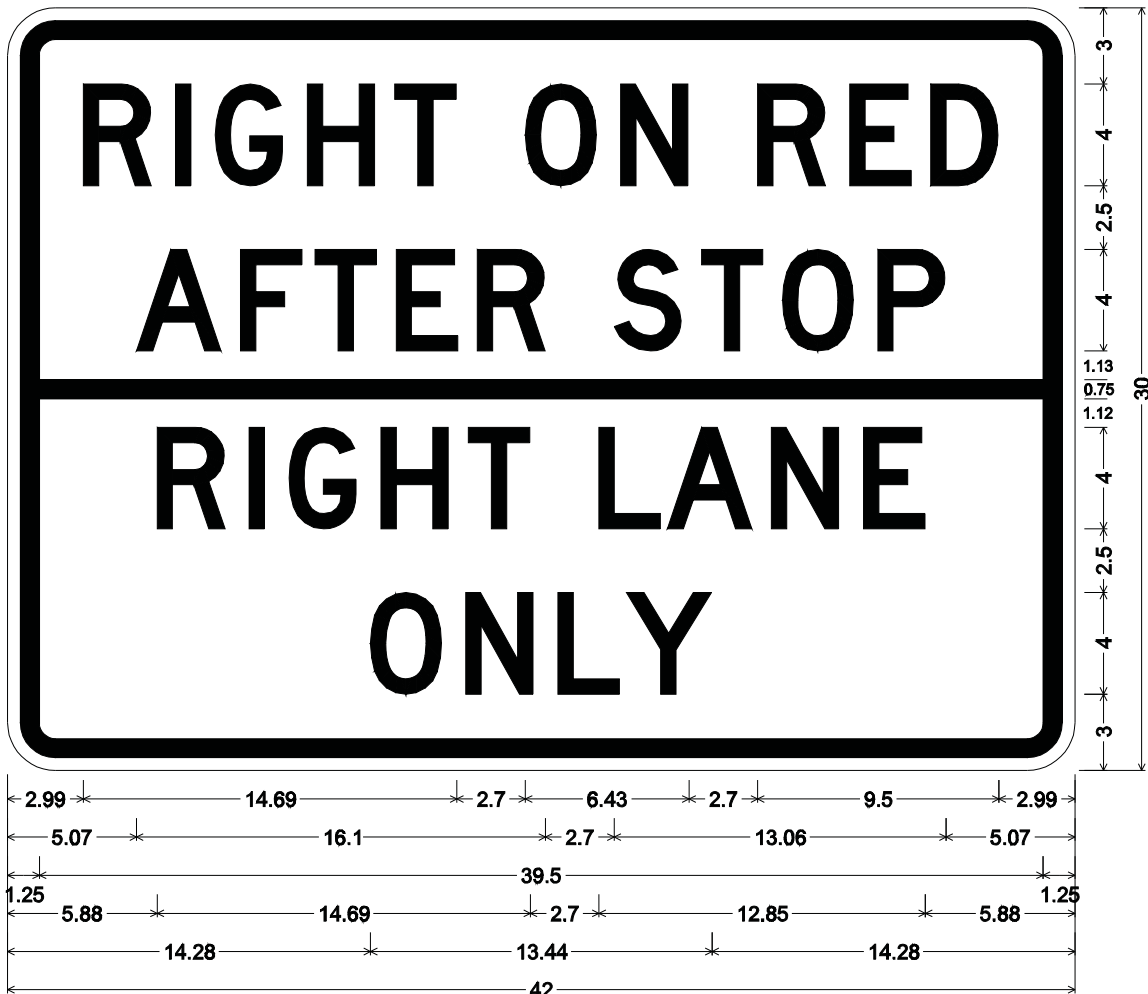
Table of distances between letter and object lefts.

6.68	P	5.44	E	4.78	N	5.15	A	6.15	L	4.03	T	4.03	Y	5.06	6.68				
16.78	F	4.78	O	5.63	R	4.03	16.78												
5.16	L	4.78	I	2.06	T	4.03	T	4.78	E	4.78	R	5.44	I	2.35	N	5.43	G	4.03	5.16
2.00		44.00		2.00															
3.54	U	4.53	P	6.36	T	3.98	O	6.52	\$	4.73	I	2.38	O	4.45	O	4.46	O	3.51	3.54
4.32	A	5.11	N	4.53	D	6.36	P	4.54	R	4.53	I	1.95	S	4.30	O	4.69	N	3.35	4.32



# R10-30A-42

On the approach to a signalized intersection with multiple right turn lanes, it may be necessary to restrict right turns on red to the right-most lane only. In this case, overhead sign number R10-30A-42 should be used.



R10-30a-42; 1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[RIGHT] D; [ON] D; [RED] D; [AFTER] D; [STOP] D; [RIGHT] D; [LANE] D; [ONLY] D;

Table of distances between letter and object lefts.

2.99	R	I	G	H	T	O	N	R	E	D	2.99
5.07	A	F	T	E	R	S	T	O	P	5.07	
1.25	39.50										1.25
5.88	R	I	G	H	T	L	A	N	E	5.88	
14.28	O	N	L	Y	14.28						

# R11-5-36

The regulatory Road Ends Sign (R11-5-36) should be used at the end of a permanently closed road in conjunction with barricades and Type III object markers, (OM4-3-18) as shown on the following drawing.



R11-5-36; 1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

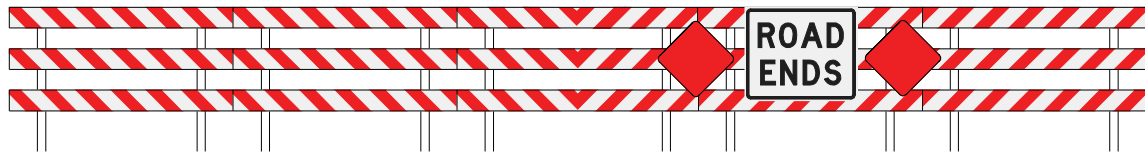
[ROAD] D; [ENDS] D;

Table of distances between letter and object lefts.

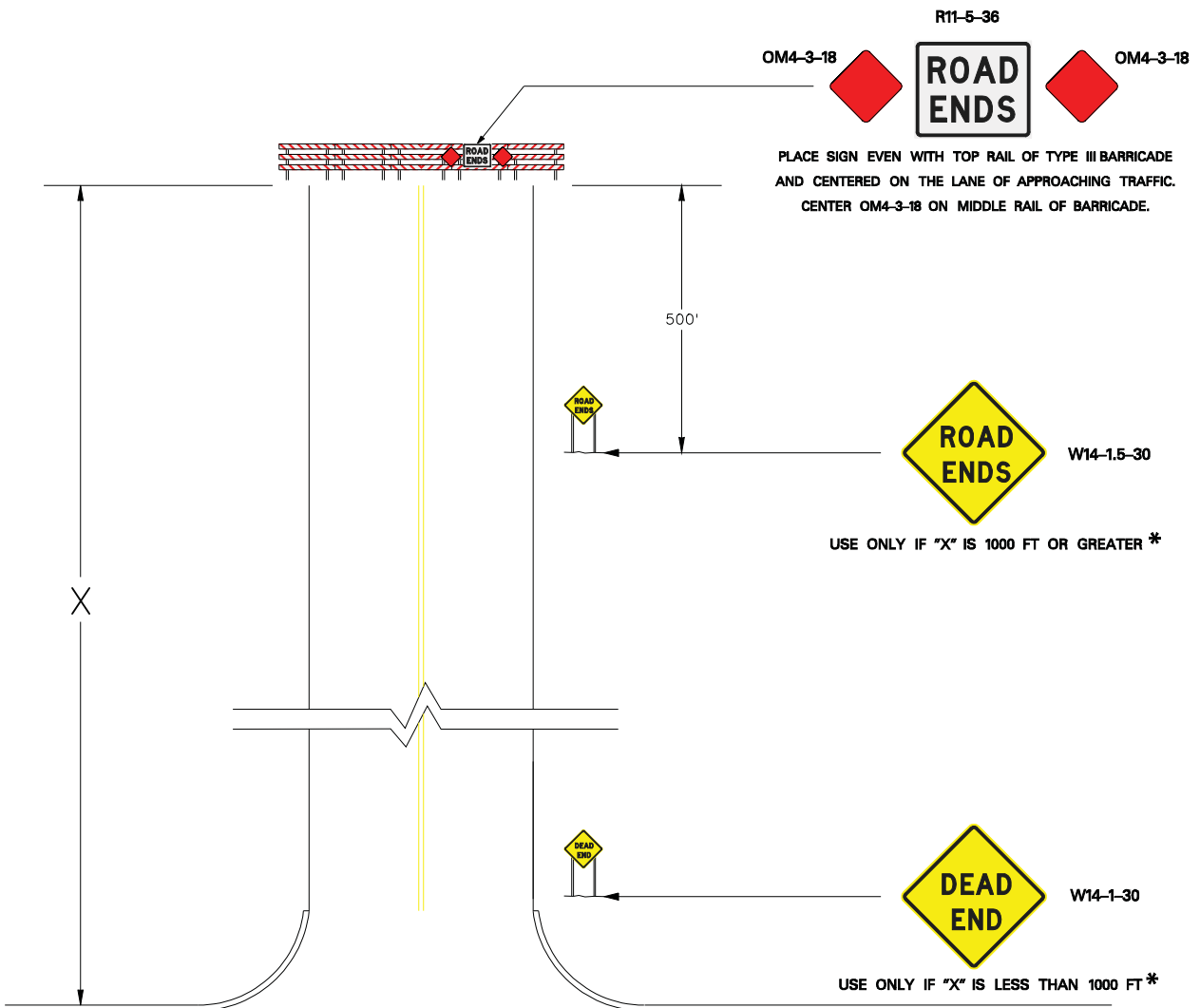
4.22	R	O	A	D	4.22
	6.87	7.13	8.19	5.37	
5.06	E	N	D	S	5.06
	6.38	7.25	6.87	5.38	

# R11-5-36

## SIGNS FOR PERMANENT ROAD CLOSURE



**\*\* TYPE III BARRICADE**



\* ONLY ONE SIGN TO BE USED BASED ON LENGTH OF ROAD  
 \*\* BARRICADES NOT REQUIRED WHEN 'X' IS LESS THAN 500'

# R9-25-24

R9-25-24 may be used in high bicycling areas to advise motorists of the need to share the road with bicyclists. See [Traffic Engineering Guideline T-8](#) for the guidelines for use.



R9-25-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Bright yellow green;  
Symbol RG025;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[SHARE] D 90% spacing; [THE] B; [ROAD] B;

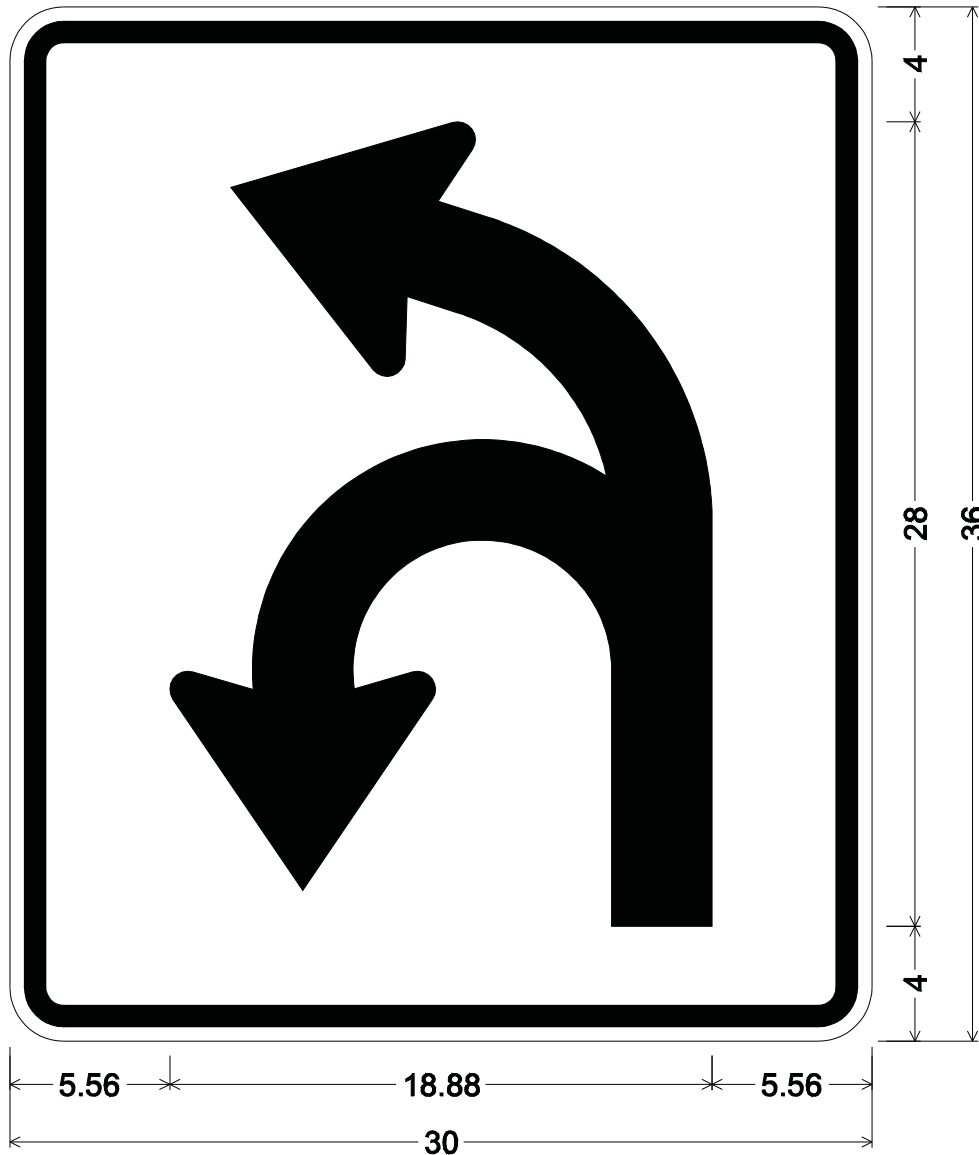
Table of distances between letter and object lefts.

4.07		15.86	4.07					
1.00	22.00		1.00					
3.56	S	H	A	R	E			
	3.53	3.36	4.02	3.53	2.44	3.56		
3.28	T	H	E	R	O	A	D	
	2.10	2.43	3.80	2.29	2.41	2.73	1.68	3.28



# R3-5.5L-30, R3-6.5-42 & R3-6.6-42

These signs may be used on the approach to an intersection to provide lane use information to motorists where needed to provide specialized lane assignments.



R3-5.5L-30;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

Left-U;

Table of distances between letter and object lefts.

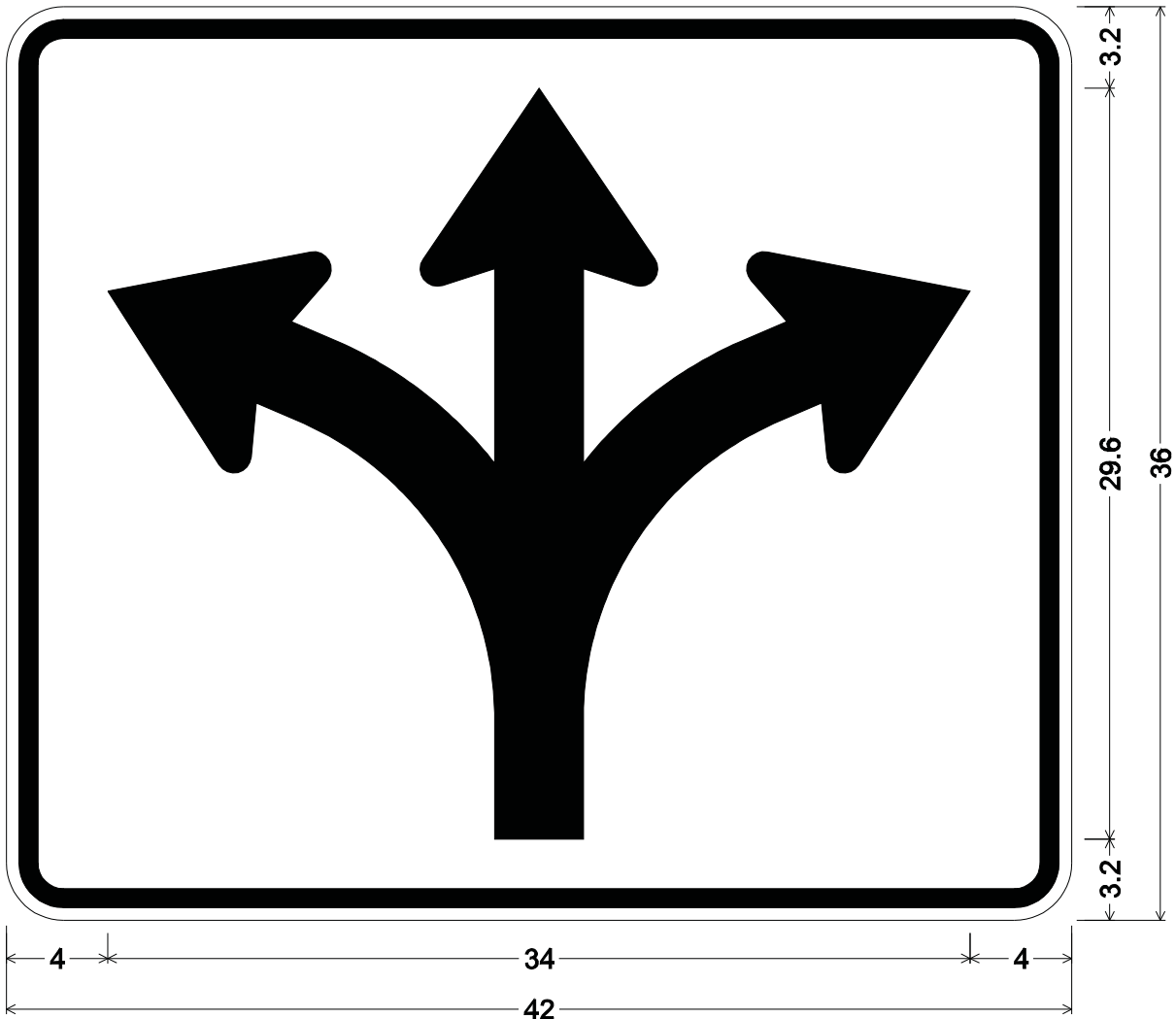
	↵	
5.56	18.88	5.56





# R3-5.5L-30, R3-6.5-42 & R3-6.6-42

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R3-6.5-42; 2.25" Radius, 0.75" Border, 0.50" Indent, Black on White;  
TRIPLE ARROW;

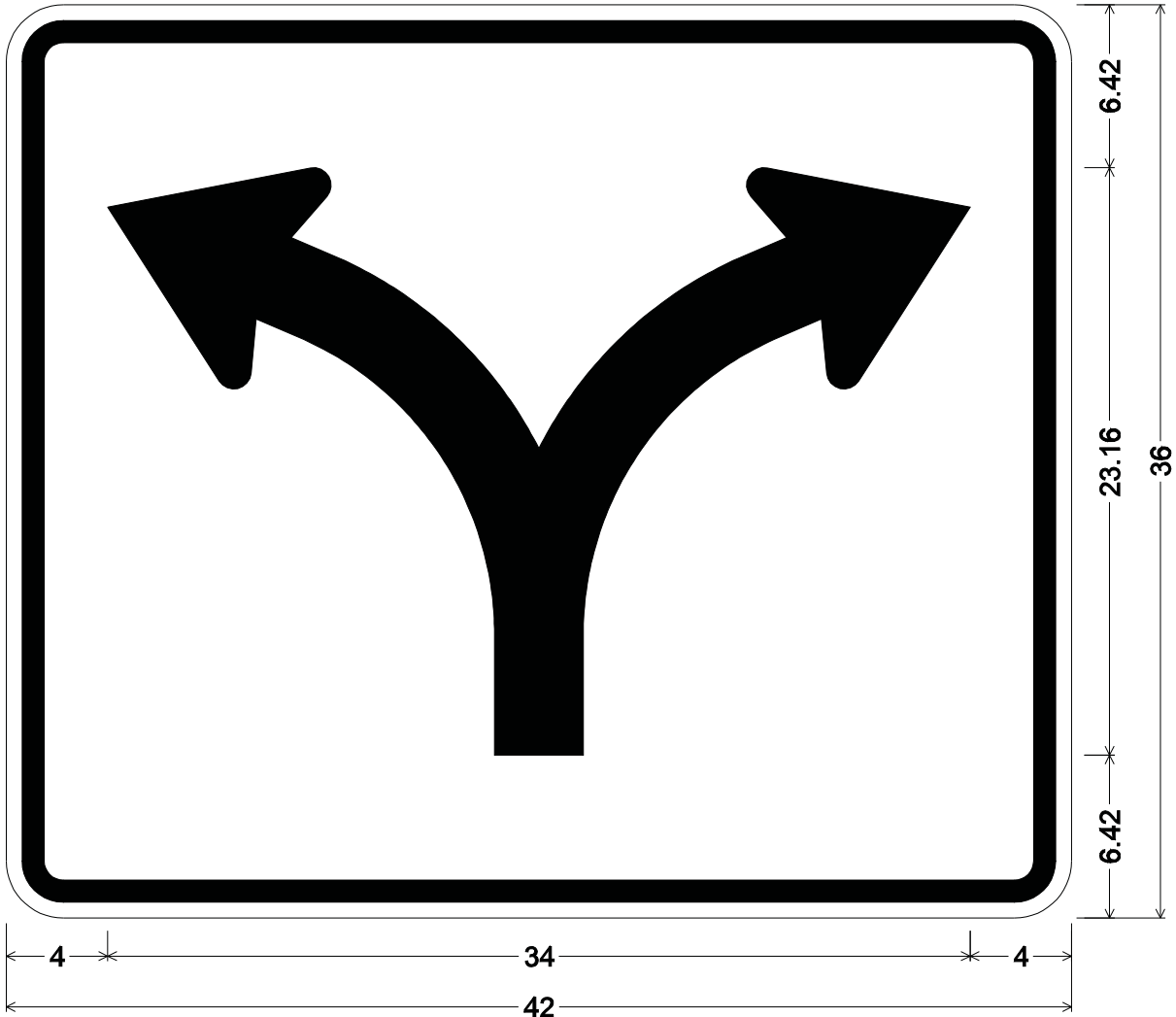
Table of distances between letter and object lefts.

4.00		4.00
------	---	------



# R3-5.5L-30, R3-6.5-42 & R3-6.6-42

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R3-6.6-42; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
COMBINATION ARROW;

Table of distances between letter and object lefts.

4.00		4.00
------	---	------



## Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12

The No Parking Except Sunday signs (R7-3.5-12, R7-3.5L-12 and R7-3.5R-12) may be used to restrict parking at all times except during Sunday church services.

R7-3.6-12 may be used when special circumstances make it undesirable to allow parking adjacent to school grounds.

The No Stopping or Standing signs (R7-4A-12, R7-4AL-12 and R7-4AR-12) may be used in areas where it is essential to prevent any stopping on the roadway.

R7-6.5-12 may be used in areas where the parking space is reserved for loading and unloading during specified hours.

R7-11-12 may be used to prohibit parking from the sign location to the nearest intersection.

R7-25R-12, R7-25L-12, and R7-25-12 may be used to designate bus parking areas.



R7-3.5-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [PARKING] B specified length; [EXCEPT] C;

[SUNDAY] C; Double Headed Arrow Custom - 7.70" O°;

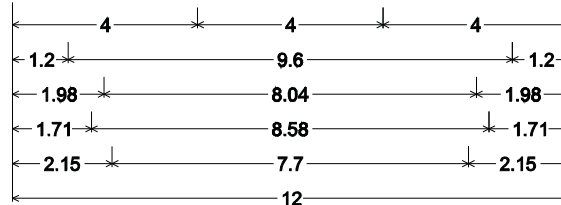
Table of distances between letter and object lefts.

4.00	N	O							
	2.27	1.73	4.00						
1.20	P	A	R	K	I	N	G		
	1.45	1.78	1.50	1.50	0.61	1.49	1.27	1.20	
1.98	E	X	C	E	P	T			
	1.33	1.51	1.43	1.34	1.43	1.00	1.98		
1.71	S	U	N	D	A	Y			
	1.51	1.51	1.52	1.43	1.36	1.25	1.71		
2.15	↔								
	7.70	2.15							



# Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-3.5L-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [PARKING] B specified length; [EXCEPT] C;

[SUNDAY] C;

Standard Arrow Custom 7.70" X 2.00" 180°;

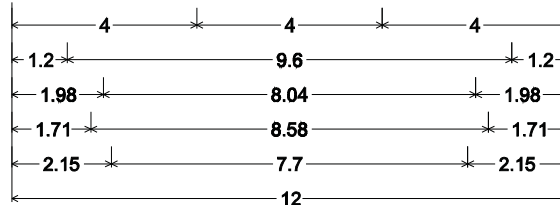
Table of distances between letter and object lefts.

4.00	N	O	4.00						
1.20	P	A	R	K	I	N	G	1.20	
1.98	E	X	C	E	P	T	1.98		
1.71	S	U	N	D	A	Y	1.71		
2.15	←	2.15							



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-3.5R-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [PARKING] B specified length; [EXCEPT] C;

[SUNDAY] C; Standard Arrow Custom 7.70" X 2.00" 0°;

Table of distances between letter and object lefts.

4.00	N	O	4.00						
1.20	P	A	R	K	I	N	G		
1.98	E	X	C	E	P	T			
1.71	S	U	N	D	A	Y			
2.15	→								



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-3.6-12;  
 1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;  
 [NO] C; [PARKING] B specified length; [DURING] C;  
 [SCHOOL] C; [HOURS] C;

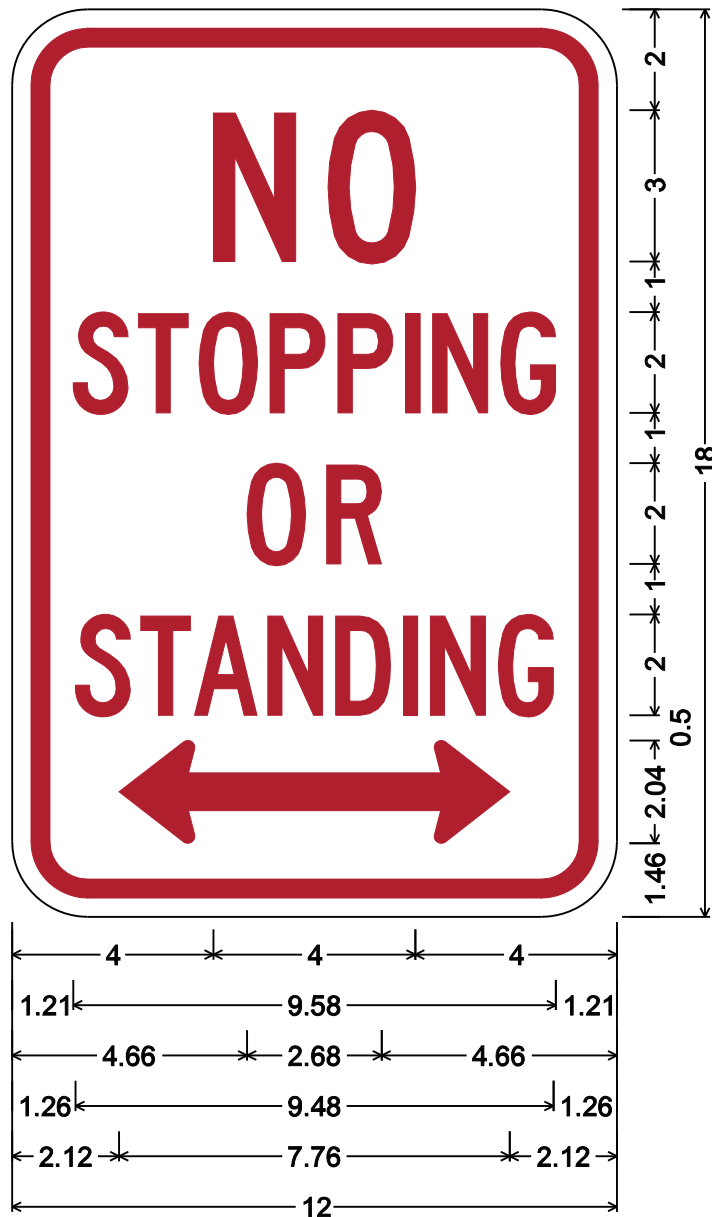
Table of distances between letter and object lefts.

4.00	N	O	4.00					
1.15	P	A	R	K	I	N	G	1.15
2.07	D	U	R	I	N	G	2.07	
1.78	S	C	H	O	O	L	1.78	
2.43	H	O	U	R	S	2.43		



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-4A-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [STOPPING] C 60% spacing;

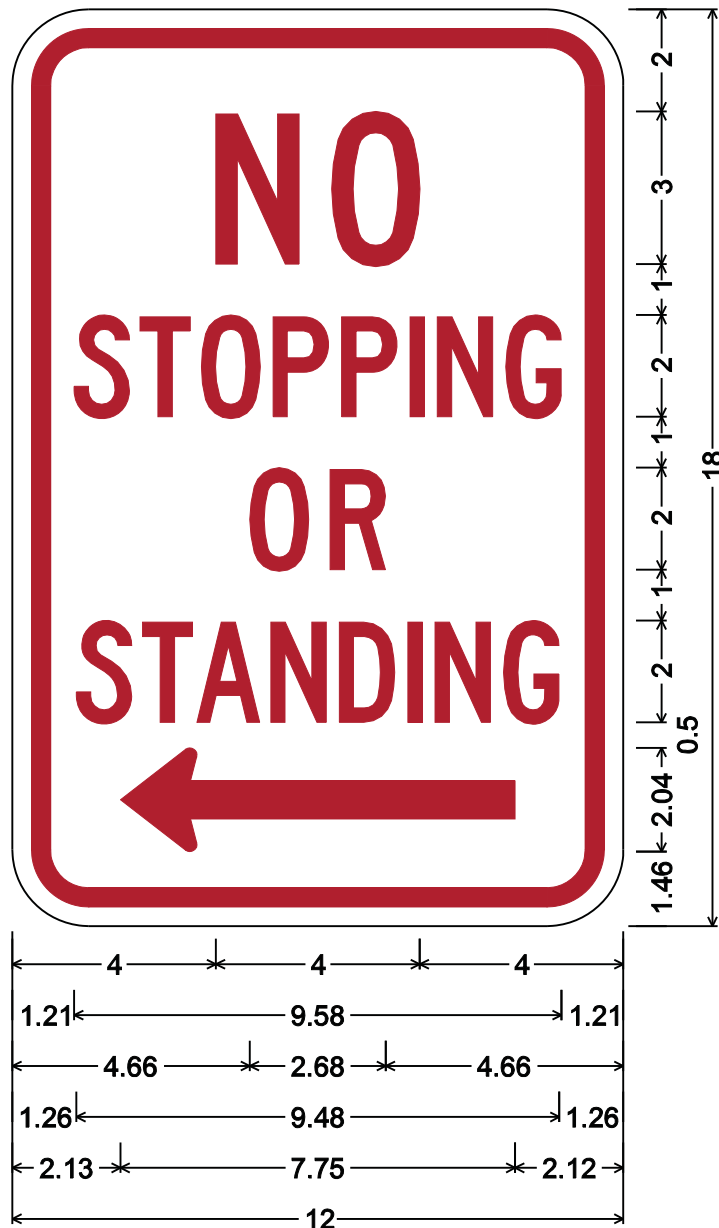
[OR] C; [STANDING] C 60% spacing;

Double Headed Arrow 7.76" X 6.13".



## Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-4AL-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [STOPPING] C 60% spacing;

[OR] C; [STANDING] C 60% spacing;

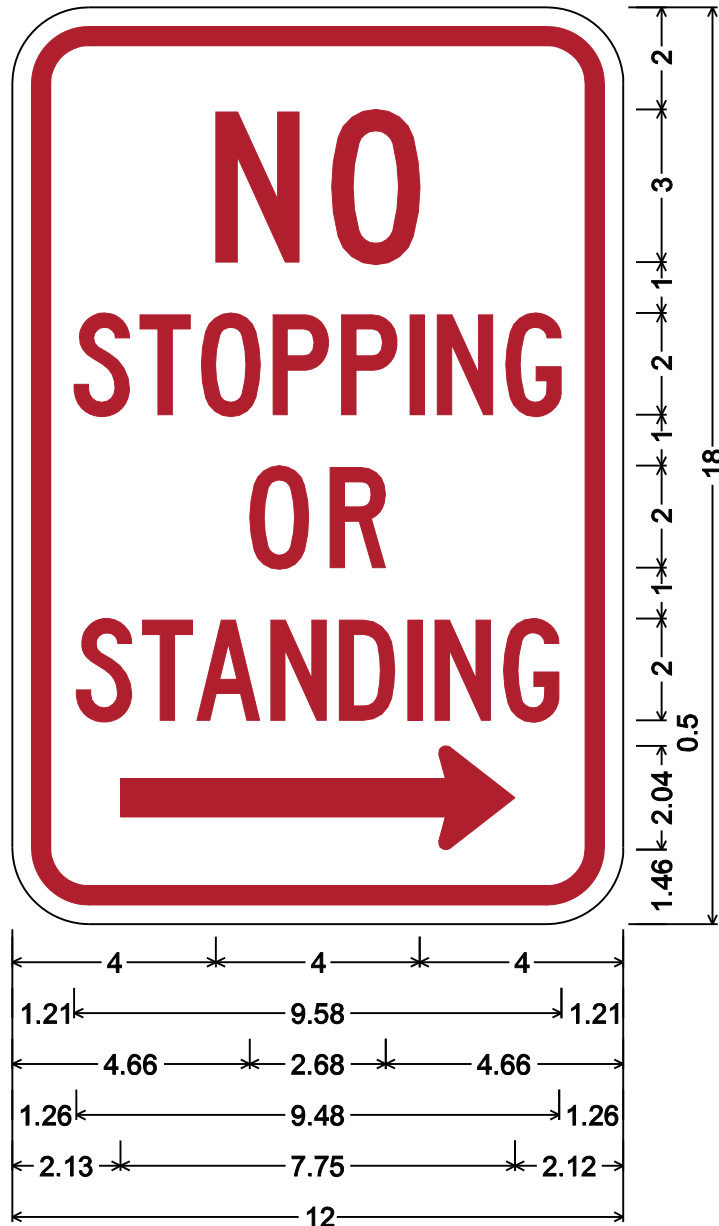
Standard Arrow Custom 7.75" X 6.13" 180°.





## Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-4AR-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [STOPPING] C 60% spacing;

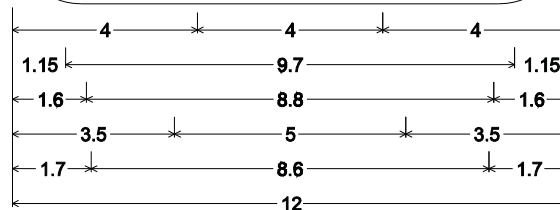
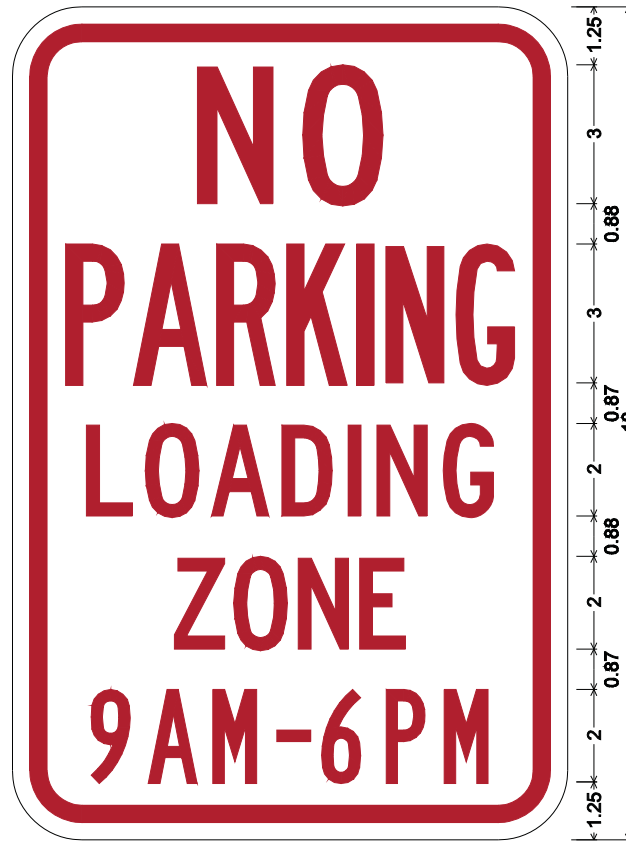
[OR] C; [STANDING] C 60% spacing;

Standard Arrow Custom 7.75" X 6.13" 0°.



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-6.5-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;

[NO] C; [PARKING] B specified length;

[LOADING] C specified length; [ZONE] C specified length;

[9AM-6PM] B specified length;

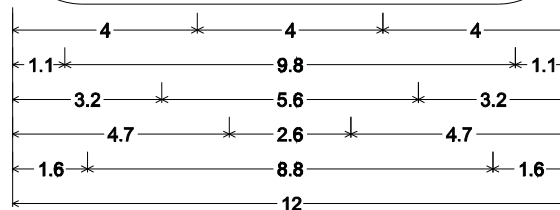
Table of distances between letter and object lefts.

4.00	N	O								
	2.27	1.73	4.00							
1.15	P	A	R	K	I	N	G			
	1.47	1.79	1.52	1.51	0.63	1.51	1.27	1.15		
1.60	L	O	A	D	I	N	G			
	1.27	1.43	1.52	1.43	0.62	1.44	1.09	1.60		
3.50	Z	O	N	E						
	1.28	1.39	1.33	1.00	3.50					
1.70	9	A	M	-	6	P	M			
	1.23	1.40	1.38	0.97	1.39	1.26	0.97	1.70		



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-11-12;

1.5" Radius, 0.4" Border, 0.4" Indent, Red on White;

[NO] C; [PARKING] B 46% spacing;

[HERE] C 115% spacing; [TO] C 140% spacing;

[CORNER] C 115% spacing;

Table of distances between letter and object lefts.

	N	O							
4.0	2.3	1.7	4.0						
	P	A	R	K	I	N	G		
1.1	1.5	1.8	1.5	1.5	0.7	1.5	1.3	1.1	
	H	E	R	E					
3.2	1.6	1.4	1.6	1.0	3.2				
	T	O							
4.7	1.5	1.1	4.7						
	C	O	R	N	E	R			
1.6	1.5	1.6	1.6	1.6	1.4	1.1	1.6		



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-25R-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Green on White;

[BUS] C; [PARKING] B 40% spacing;

Standard Arrow Custom 7.75" X 8.13" 0°;

Table of distances between letter and object lefts.

2.91	B	2.27	U	2.27	S	1.64	2.91								
1.22	P	1.45	A	1.77	R	1.49	K	1.49	I	0.60	N	1.49	G	1.27	1.22
2.13	→	7.74	2.13												



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



R7-25L-12;

1.50" Radius, 0.38" Border, 0.38" Indent, Green on White;

[BUS] C; [PARKING] B 40% spacing;

Standard Arrow Custom 7.75" X 8.13" 180°;

Table of distances between letter and object lefts.

2.91	B	U	S	2.91				
	2.27	2.27	1.64					
1.22	P	A	R	K	I	N	G	1.22
	1.45	1.77	1.49	1.49	0.60	1.49	1.27	
2.13	←	2.13						
	7.74							



Regulatory Signs — Special No Parking Signs

R7-3.5-12, R7-3.5L-12, R7-3.5R-12, R7-3.6-12, R7-4A-12, R7-4AL-12, R7-4AR-12, R7-6.5-12, R7-11-12, R7-25R-12, R7-25L-12 & R7-25-12



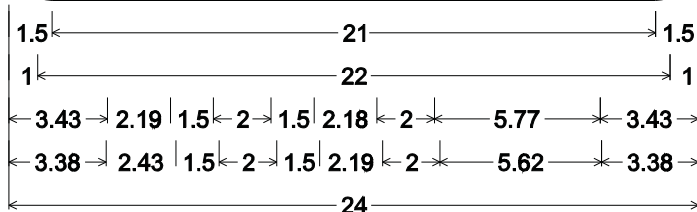
R7-25-12; 1.50" Radius, 0.38" Border, 0.38" Indent, Green on White; [BUS] C; [PARKING] B 40% spacing;

Table of distances between letter and object lefts.

2.91	B	U	S	2.91					
	2.27	2.27	1.64						
1.22	P	A	R	K	I	N	G	1.22	
	1.45	1.77	1.49	1.49	0.60	1.49	1.27		
2.12	←→	7.76	2.12						

R3-1.1-24, R3-1.3-24, R3-2.1-24, R3-2.3-24 & R3-4.1-24

When a turn is restricted on a time basis or movements are restricted for certain vehicles the following signs may be used.



R3-1.1-24;  
 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 NO RIGHT TURN SYM; [7] C; [-] C; [9] C; [AM] C;  
 [4] C; [-] C; [6] C; [PM] C;  
 Table of letter and object lefts.

1.50					
1.00					
7	-	9	A	M	
3.43	7.12	10.62	14.80	17.98	
4	-	6	P	M	
3.38	7.31	10.81	15.00	18.03	

R3-1.1-24, R3-1.3-24, R3-2.1-24, R3-2.3-24 & R3-4.1-24



R3-1.3-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

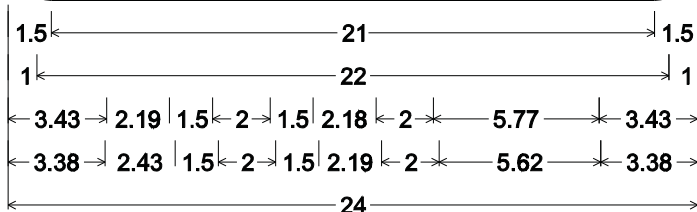
NO RIGHT TURN SYM; [THRU] C; [TRUCKS] C;

Table of letter and object lefts.

1.50					
1.00					
T	H	R	U		
6.54	9.21	12.24	15.27		
T	R	U	C	K	S
3.68	6.35	9.38	12.41	15.27	18.14



R3-1.1-24, R3-1.3-24, R3-2.1-24, R3-2.3-24 & R3-4.1-24



R3-2.1-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 NO LEFT TURN SYM; [7] C; [-] C; [9] C; [AM] C; [4] C;  
 [-] C; [6] C; [PM] C;

Table of letter and object lefts.

1.50				
1.00				
7	-	9	A	M
3.43	7.12	10.62	14.80	17.98
4	-	6	P	M
3.38	7.31	10.81	15.00	18.03

R3-1.1-24, R3-1.3-24, R3-2.1-24, R3-2.3-24 & R3-4.1-24



R3-2.3-24;

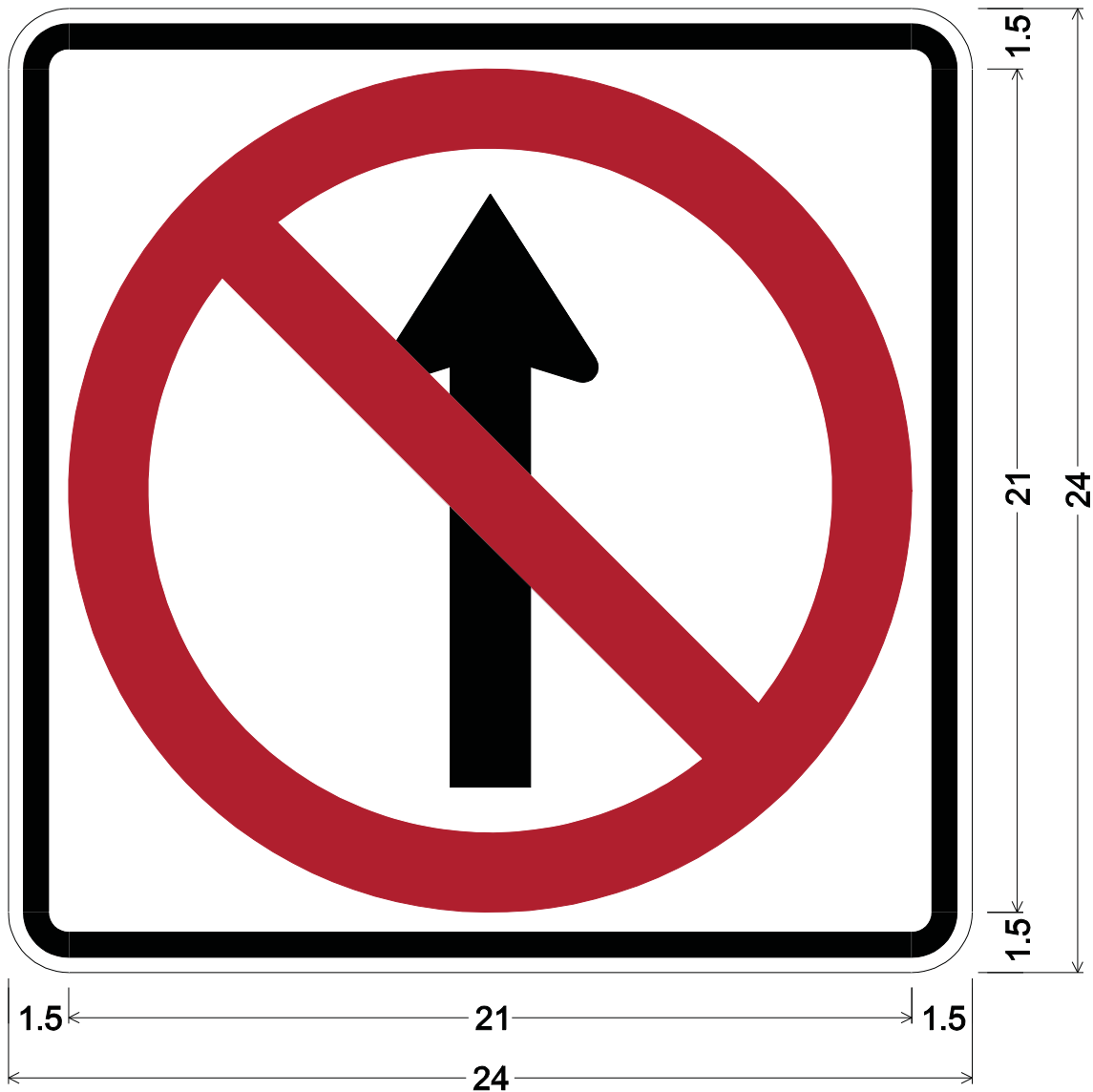
1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

NO LEFT TURN SYM; [THRU] C; [TRUCKS] C;

Table of letter and object lefts.

1.50					
1.00					
T	H	R	U		
6.54	9.21	12.24	15.27		
T	R	U	C	K	S
3.68	6.35	9.38	12.41	15.27	18.14

R3-1.1-24, R3-1.3-24, R3-2.1-24, R3-2.3-24 &amp; R3-4.1-24

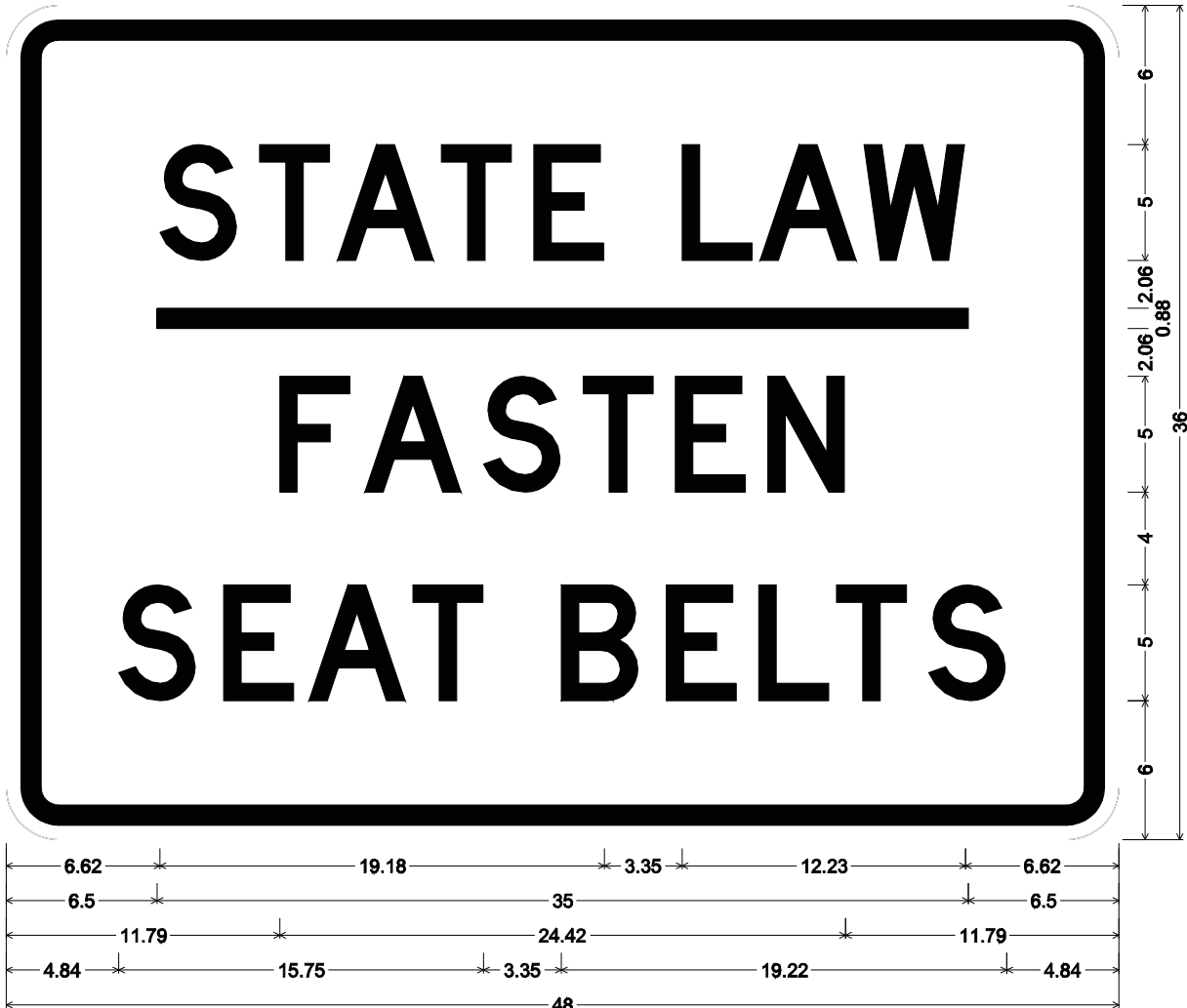
**R3-4.1-24;****1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;****No Straight Movement Symbol;****Table of distances between letter and object lefts.**

		
1.50	21.00	1.50





# R22-1-24 & R22-1-48



R22-1-48; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;

[STATE] D; [LAW] D; [FASTEN] D; [SEAT] D; [BELTS] D;

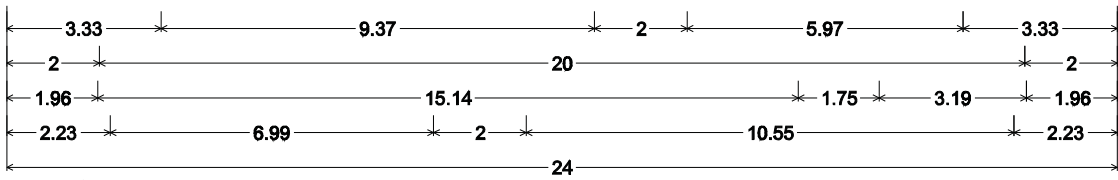
Table of distances between letter and object lefts.

6.62	S	T	A	T	E	L	A	W	6.62	
4.30	3.36	4.49	3.98	6.40	3.36	4.49	4.38	6.62		
6.50	35.00		6.50							
11.79	F	A	S	T	E	N				
3.67	5.12	4.30	3.98	3.99	3.36	11.79				
4.84	S	E	A	T	B	E	L	T	S	4.84
4.54	3.67	4.49	6.40	4.53	3.98	3.36	3.99	3.36	4.84	



# R22-2-24 & R22-2-48

R22-2-24 should be erected at the state line to advise motorists of the law that requires headlights to be on when raining. This sign may also be used at other strategic locations throughout the state. R22-2-48 should be used on the interstate system and other controlled access facilities.

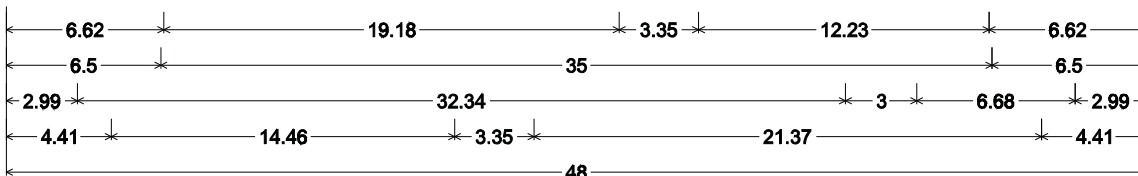


R22-2-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 [STATE] C; [LAW] C; [HEADLIGHTS] B 80% spacing; [ON] B; [WHEN] B; [RAINING] B;  
 Table of distances between letter and object lefts.

3.33	S	T	A	T	E	L	A	W	3.33				
	2.15	1.67	2.05	2.00	3.50	1.67	2.05	2.25					
2.00	20.00		2.00										
1.96	H	E	A	D	L	I	G	H	T	S	O	N	1.96
	1.72	1.36	1.95	1.72	1.48	0.82	1.72	1.62	1.49	3.01	1.92	1.27	
2.23	W	H	E	N	R	A	I	N	I	N	C	2.23	
	2.33	1.82	1.58	3.26	1.72	2.04	0.94	1.82	0.94	1.82	1.27		



# R22-2-24 & R22-2-48



R22-2-48; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [STATE] D; [LAW] D; [HEADLIGHTS] C 90% spacing; [ON] C; [WHEN] C; [RAINING] C;  
 Table of distances between letter and object lefts.

6.62	S	4.30	T	3.36	A	4.49	T	3.98	E	6.40	L	3.36	A	4.49	W	4.38	6.62								
6.50	35.00		6.50																						
2.99	H	3.68	E	3.01	A	3.89	D	3.68	L	3.26	I	1.65	G	3.68	H	3.50	T	3.26	S	5.73	O	3.94	N	2.74	2.99
4.41	W	4.59	H	3.79	E	3.35	N	6.08	R	3.58	A	3.97	I	1.75	N	3.79	I	1.76	N	3.79	G	2.73	4.41		



# R17-5-30 & R17-5A-30

South Carolina law Section 56-5-2770 requires that vehicles stop for a stopped school bus except that “the driver need not stop upon meeting a stopped school bus when traveling in the opposite direction on a multilane highway or multilane private road”. SCDOT has developed sign R17-5-30 for use on two lane roads and R17-5A-30 for use on multilane facilities to provide information to drivers that reflect the current law. These signs should be used on a limited basis, with primary emphasis on paved median multilane routes, since the change in the law only affected non-divided multilane roadways.



R17-5-30

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 [STOP] D 70% spacing; [FOR] D 70% spacing; [STOPPED] D 70% spacing; [SCHOOL] C 70% spacing;  
 [BUS] C 70% spacing; [ANY] C 70% spacing; [DIRECTION] C 70% spacing;

Table of distances between letter and object lefts.

3.27	S	T	O	P	F	O	R	3.27					
	3.22	2.96	3.47	4.69	2.96	3.47	2.69						
4.01	S	T	O	P	P	E	D	4.01					
	3.21	2.96	3.47	3.35	3.34	2.96	2.69						
2.24	S	C	H	O	O	L	B	U	S	2.24			
	2.66	2.66	2.77	2.79	2.90	4.00	2.78	2.78	2.18				
2.80	A	N	Y	D	I	R	E	C	T	I	O	N	2.80
	2.23	2.00	4.87	2.08	0.87	2.08	1.85	1.88	1.86	0.86	2.18	1.64	





# R17-5-30 & R17-5A-30



R17-5a-30

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;  
 [STOP] D 70% spacing; [FOR] D 70% spacing; [STOPPED] D 70% spacing; [SCHOOL] C 70% spacing;  
 [BUS] C 70% spacing; [SAME] C 70% spacing; [DIRECTION] C 70% spacing;  
 Table of distances between letter and object lefts.

3.27	S	T	O	P	F	O	R	3.27						
3.27	3.22	2.96	3.47	4.69	2.96	3.47	2.69	3.27						
4.01	S	T	O	P	P	E	D	4.01						
4.01	3.21	2.96	3.47	3.35	3.34	2.96	2.69	4.01						
2.24	S	C	H	O	O	L	B	U	S	2.24				
2.24	2.66	2.66	2.77	2.79	2.90	4.00	2.78	2.78	2.18	2.24				
2.29	S	A	M	E	D	I	R	E	C	T	I	O	N	2.29
2.29	2.00	2.23	2.39	3.50	2.08	0.86	2.09	1.85	1.88	1.85	0.87	2.17	1.65	2.29

## R5-2D-36, R5-2C-36, R5-5A-24, R5-5B-24 &amp; R5-5D-30

When a mandatory truck route is established R5-2D-36 shall be installed on the prohibited route in a location visible to trucks. If necessary an advance sign, R5-2C-36, may be used to provide advanced warning to the trucks that truck restrictions are in place. When all trucks are prohibited from using a roadway due to bridge load restrictions or roadway conditions R5-5A-24 should be used. Sign number R5-5B-24 may be used in conjunction with a turn restriction sign to totally restrict trucks from using a road due to the above conditions. When through trucks only are restricted from a route as a result of a local ordinance R5-5D-30 should be used.

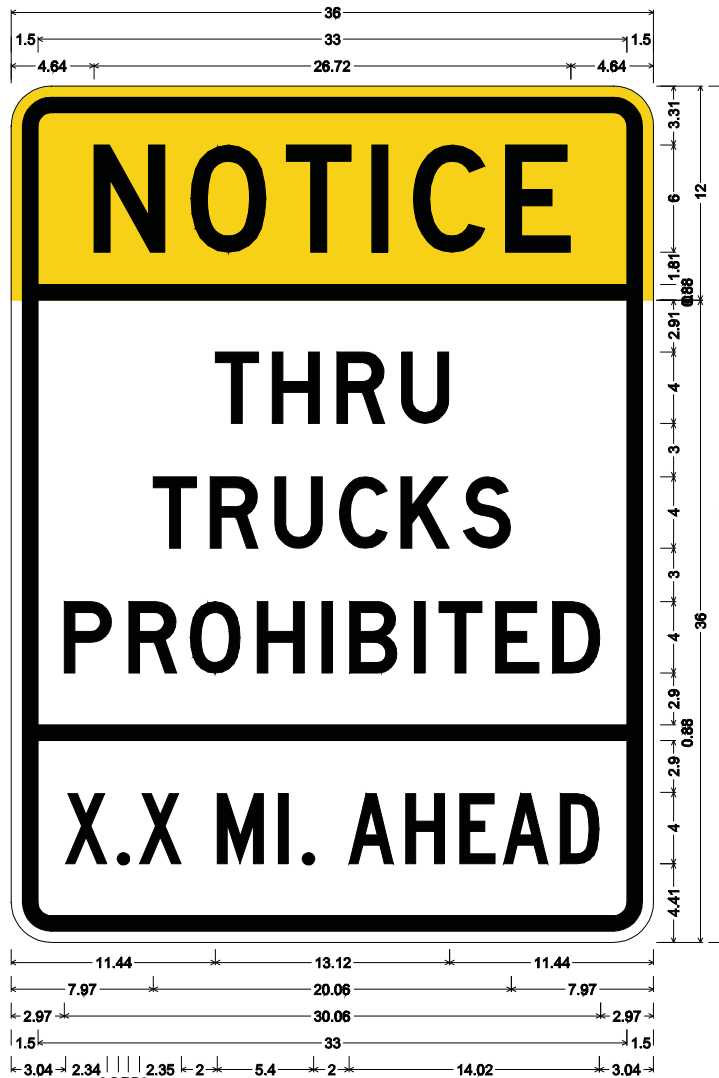


**R5-2d-36;**  
 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;  
**[NOTICE] D;**  
 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
**[THRU] D; [TRUCKS] D; [PROHIBITED] D;**  
 Table of distances between letter and object lefts.

4.64	N	O	T	I	C	E	4.64				
	5.44	5.34	4.78	2.35	5.15	3.66					
1.50	33.00					1.50					
	T	H	R	U							
11.44	3.18	3.63	3.63	2.68	11.44						
	T	R	U	C	K	S					
7.97	3.19	3.62	3.63	3.43	3.50	2.69	7.97				
	P	R	O	H	I	B	I	T	E	D	
2.97	3.62	3.44	3.75	3.63	1.56	3.62	1.38	3.19	3.18	2.69	2.97



R5-2D-36, R5-2C-36, R5-5A-24, R5-5B-24 & R5-5D-30



R5-2c-36; 0.6352

2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;

[NOTICE] D;

2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;

[THRU] D; [TRUCKS] D; [PROHIBITED] D; [X . X] C; [MI.] C; [AHEAD] C;

Table of distances between letter and object lefts.

4.64	N	4.44	O	5.34	T	4.78	I	2.35	C	5.15	E	3.66	4.64								
1.50	33.00	1.50																			
11.44	T	3.18	H	3.63	R	3.63	U	2.68	11.44												
7.97	T	3.19	R	3.62	U	3.63	C	3.43	K	3.50	S	2.69	7.97								
2.97	P	3.62	R	3.44	O	3.75	H	3.63	I	1.56	B	3.62	1.38	3.19	3.18	2.69	2.97				
1.50	33.00	1.50																			
3.04	X	2.97	1.18	X	4.35	M	3.43	I	1.41	2.56	A	3.17	H	3.03	E	2.46	A	3.17	D	2.19	3.04



R5-2D-36, R5-2C-36, R5-5A-24, R5-5B-24 & R5-5D-30



R5-5a-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[NO] D; [TRUCKS] C specified length; [OVER] D; [X] D;

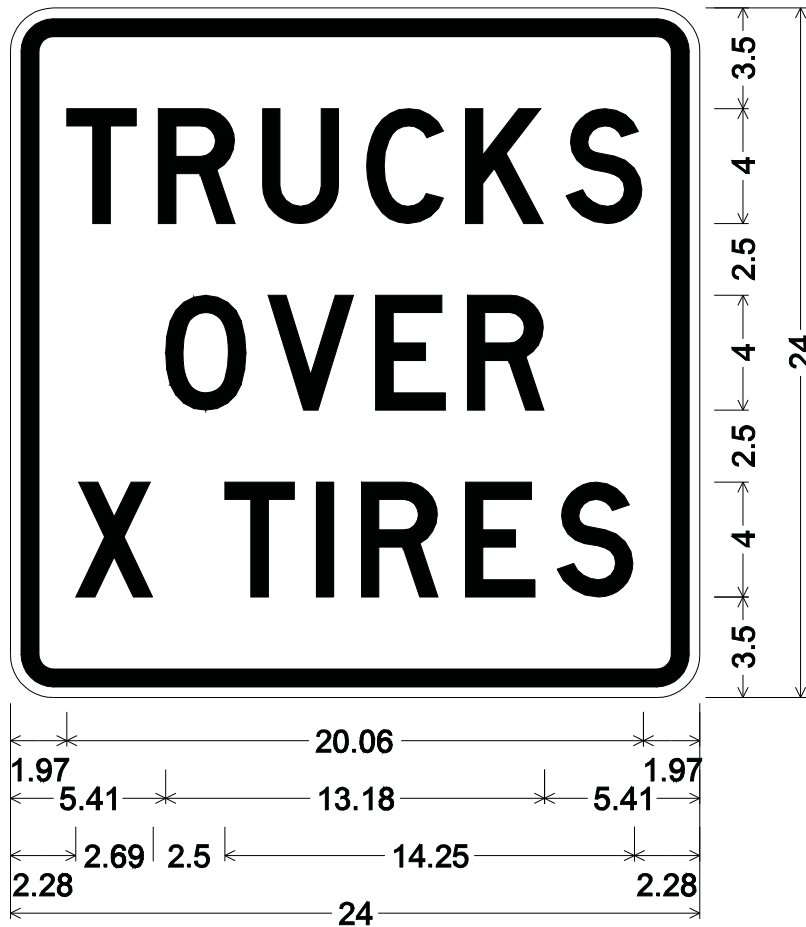
[TIRES] D;

Table of distances between letter and object lefts.

7.17	N	O	7.17				
5.44		4.22					
2.00	T	R	U	C	K	S	2.00
3.20		3.60	3.60	3.43	3.44	2.73	
5.41	O	V	E	R			
3.56		3.75	3.19	2.68	5.41		
2.16	X	T	I	R	E	S	2.16
5.43		3.19	1.56	3.63	3.19	2.68	



R5-2D-36, R5-2C-36, R5-5A-24, R5-5B-24 & R5-5D-30



R5-5B-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

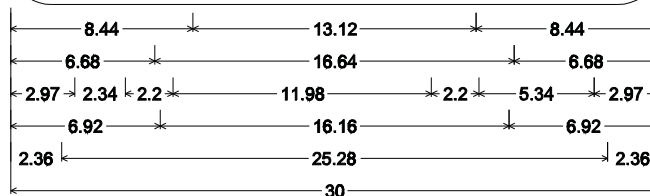
[TRUCKS] D; [OVER] D; [X] D;

[TIRES] D;

Table of letter and object lefts.

T	R	U	C	K	S
1.97	5.16	8.78	12.41	15.84	19.34
O	V	E	R		
5.41	8.97	12.72	15.91		
X	T	I	R	E	S
2.28	7.47	10.66	12.22	15.84	19.03

R5-2D-36, R5-2C-36, R5-5A-24, R5-5B-24 & R5-5D-30



R5-5d-30; 1.88" Radius, 0.75" Border, 0.50" Indent, Black on White; [THRU] D; [TRUCKS] C; [X] C; [TIRES] C; [OR] C; [LARGER] C; [PROHIBITED] C;

Table of distances between letter and object lefts.

8.44	T	H	R	U											
	3.18	3.63	3.63	2.68	8.44										
6.68	T	R	U	C	K	S									
	2.67	3.03	3.03	2.86	2.87	2.18	6.68								
2.97	X	T	I	R	E	S	O	R							
	4.54	2.68	1.40	3.03	2.68	4.39	3.15	2.19	2.97						
6.92	L	A	R	G	E	R									
	2.23	3.17	2.87	3.03	2.67	2.19	6.92								
2.36	P	R	O	H	I	B	I	T	E	D					
	3.03	2.86	3.15	3.03	1.41	3.03	1.24	2.67	2.68	2.18	2.36				



R4-30-132, R4-31-132, R4-33-84, R4-34-84, R4-35-84, R4-32-90

When restricting trucks from using designated lanes on the interstate system, R4-30-132, R4-31-132, R4-33-84, R4-34-84, and R4-35-84 should be used as appropriate.

R4-33-84 is the predominant sign to be used on an interstate with three lanes in each direction. R4-34-84 may be used on a three lane section of interstate when there is an auxiliary lane for a distance of 1/2 mile or more, such as a combination accel/decel lane. R4-35-84 may be used on a four or more lane interstate with an auxiliary lane as described above. R4-32-90 designates the end of the restrictions.



R4-30-132;

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;

[NOTICE] E;

R4-30-132; 3.0" Radius, 1.3" Border, 0.8" Indent, Black on White;

[TRUCK] E; [RESTRICTION] E; [NEXT] E; [XX] E; [MILES] E;

Table of letter and object lefts.

N	O	T	I	C	E
45.2	53.7	61.9	69.4	72.9	80.9

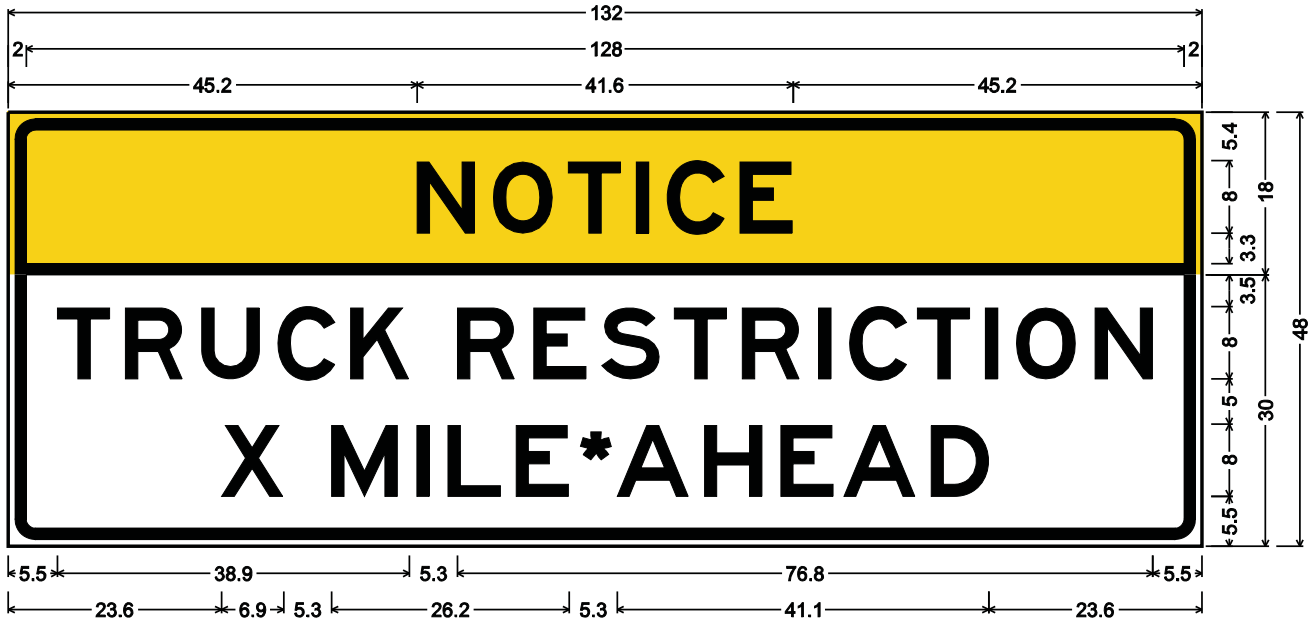
2.0
-----

T	R	U	C	K	R	E	S	T	R	I	C	T	I	O	N
5.5	13.0	21.4	29.8	37.9	49.7	58.1	65.6	73.7	81.2	89.6	93.1	100.5	108.1	111.5	120.2

N	E	X	T	X	X	M	I	L	E	S
20.9	29.4	36.9	44.9	56.1	64.6	76.8	86.2	89.6	97.2	104.7



R4-30-132, R4-31-132, R4-33-84, R4-34-84, R4-35-84, R4-32-90



R4-31-132;

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;

[NOTICE] E;

3.0" Radius, 1.3" Border, 0.8" Indent, Black on White;

[TRUCK] E; [RESTRICTION] E; [X] E; [MILE] E; [AHEAD] E;

Table of letter and object lefts.

N	O	T	I	C	E
45.2	53.7	61.9	69.4	72.9	80.9

—
2.0

T	R	U	C	K	R	E	S	T	R	I	C	T	I	O	N
5.5	13.0	21.4	29.8	37.9	49.7	58.1	65.6	73.7	81.2	89.6	93.1	100.5	108.1	111.5	120.2

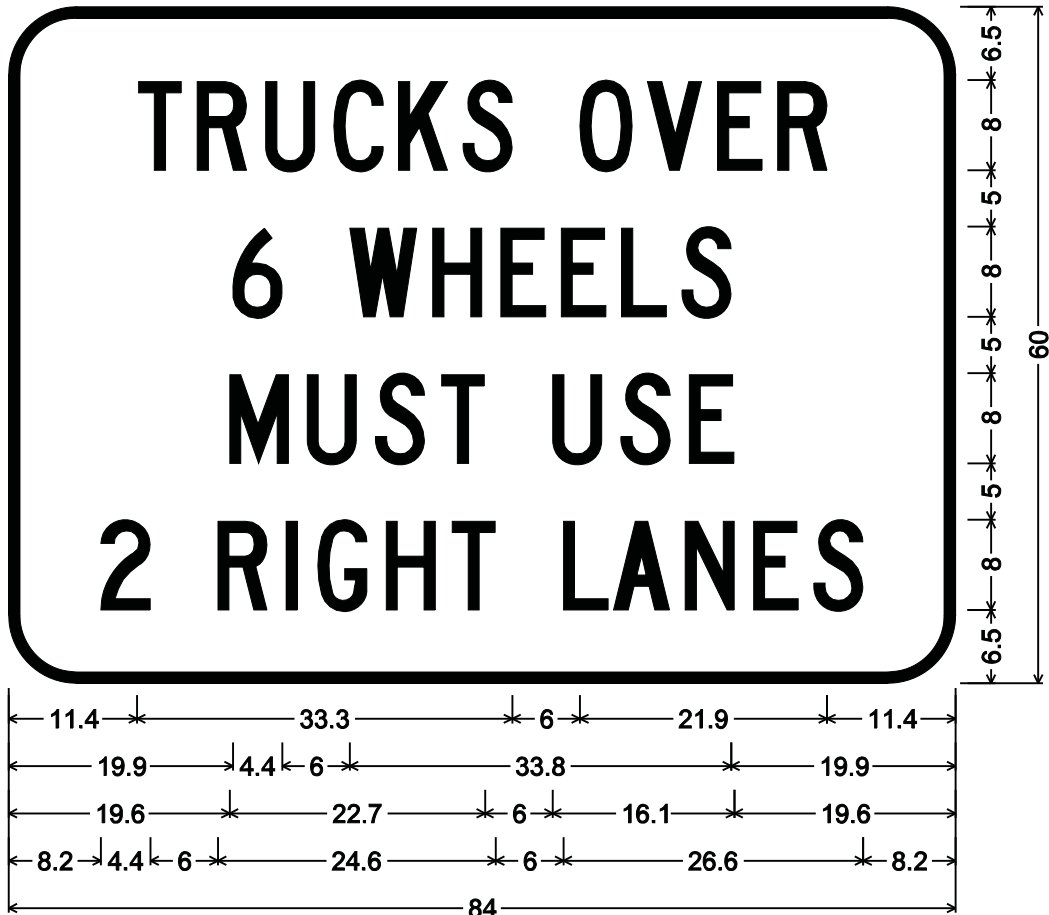
X	M	I	L	E	A	H	E	A	D
23.6	35.8	45.2	48.6	56.2	67.3	77.0	85.4	92.4	102.0

\* ADD "S" IF DISTANCE IS GREATER THAN 1





R4-30-132, R4-31-132, R4-33-84, R4-34-84, R4-35-84, R4-32-90



R4-33-84; 6.0" Radius, 1.0" Border, Black on White;

[TRUCKS] C; [OVER] C; [6] C; [WHEELS] C; [MUST] C; [USE] C; [2] C; [RIGHT] C; [LANES] C;

Table of letter and object lefts.

T	R	U	C	K	S	O	V	E	R
11.4	16.7	22.8	28.9	34.6	40.3	50.7	56.7	62.9	68.2

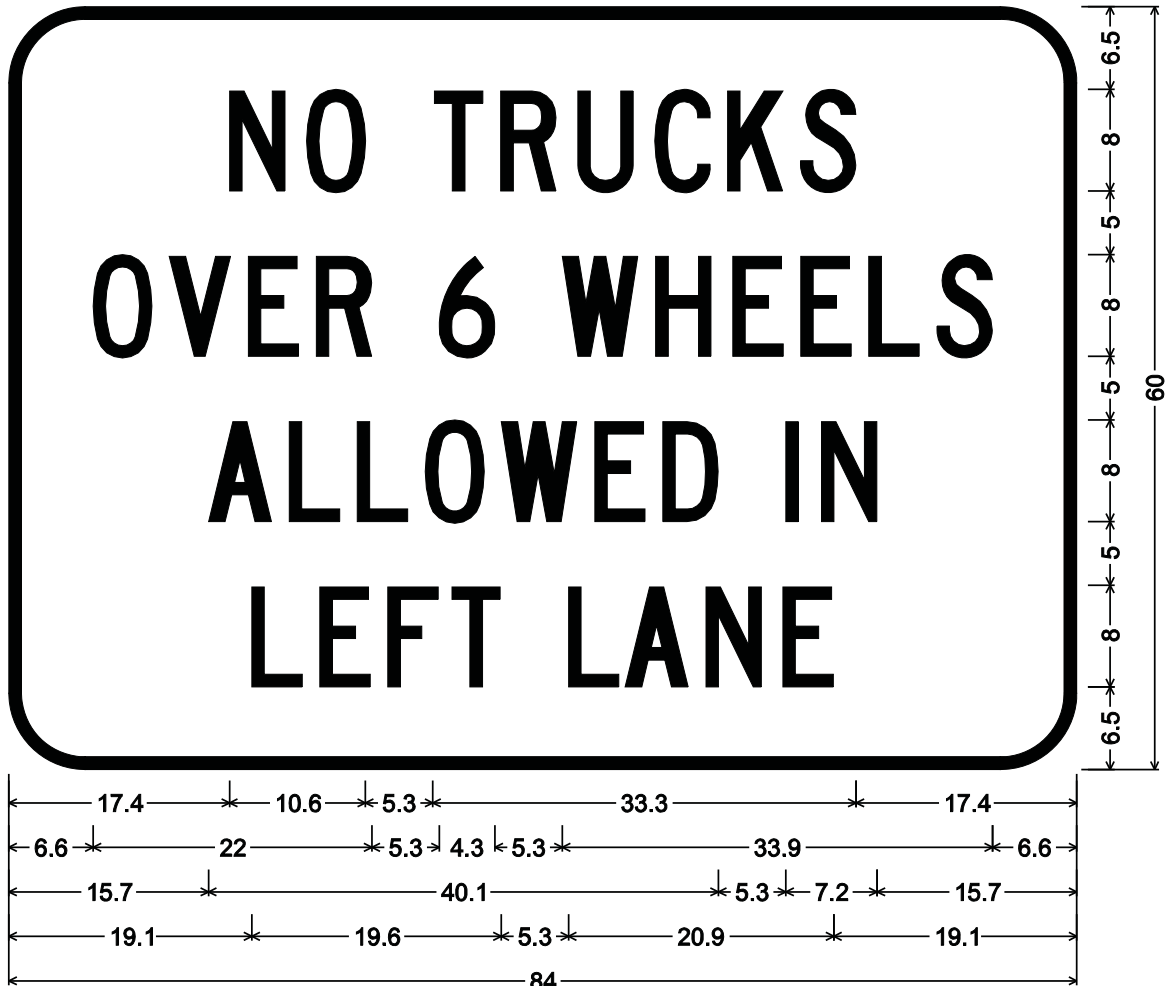
6	W	H	E	E	L	S
19.9	30.3	37.6	43.7	49.0	54.4	59.7

M	U	S	T	U	S	E
19.6	26.5	32.5	38.3	48.3	54.3	60.4

2	R	I	G	H	T	L	A	N	E	S
8.2	18.6	24.6	27.4	33.5	39.2	49.2	53.7	60.0	66.1	71.4



R4-30-132, R4-31-132, R4-33-84, R4-34-84, R4-35-84, R4-32-90



R4-34-84; 6.0" Radius, 1.0" Border, Black on White;

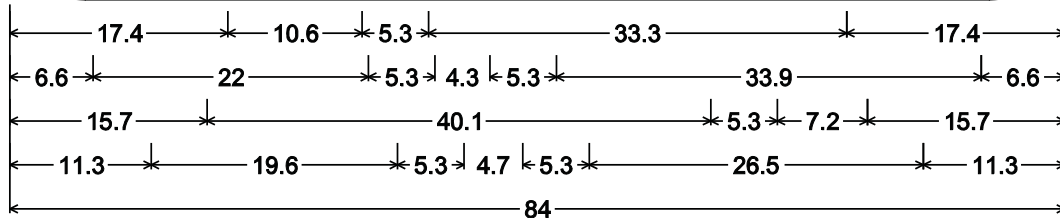
[NO] C; [TRUCKS] C; [OVER] C; [6] C; [WHEELS] C; [ALLOWED] C; [IN] C;  
[LEFT] C; [LANE] C;

Table of distances between letter and object lefts.

17.4	N	O	T	R	U	C	K	S	17.4			
6.6	O	V	E	R	6	W	H	E	E	L	S	6.6
15.7	A	L	L	O	W	E	D	I	N	15.7		
19.1	L	E	F	T	L	A	N	E	19.1			



R4-30-132, R4-31-132, R4-33-84, R4-34-84, R4-35-84, R4-32-90



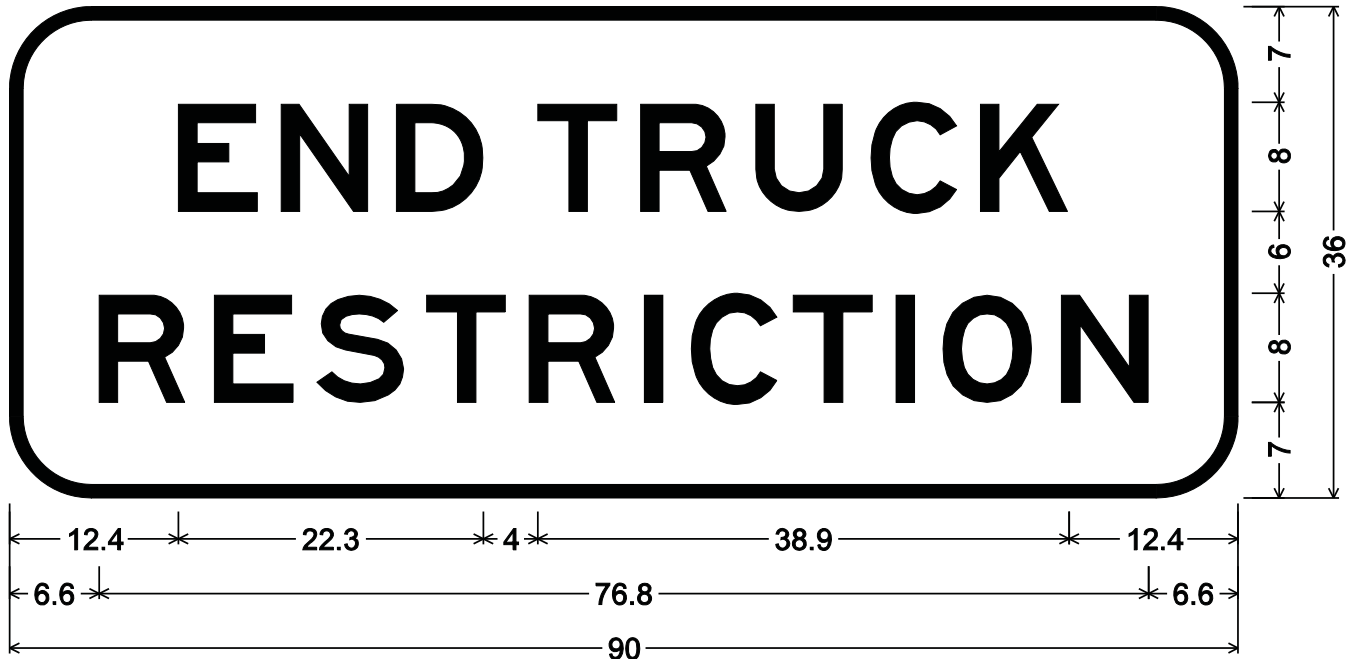
R4-35-84; 6.0" Radius, 1.0" Border, Black on White;  
 [NO] C; [TRUCKS] C; [OVER] C; [6] C; [WHEELS] C; [ALLOWED] C; [IN] C;  
 [LEFT] C; [X] C; [LANES] C;

Table of distances between letter and object lefts.

17.4	N	O	T	R	U	C	K	S	17.4			
6.6	6.0	9.9	5.4	6.1	6.0	5.7	5.8	4.3	6.6			
6.6	O	V	E	R	6	W	H	E	E	L	S	6.6
	6.0	6.2	5.4	9.7	9.6	7.4	6.0	5.4	5.3	5.4	4.4	
15.7	A	L	L	O	W	E	D	I	N	15.7		
	6.4	5.3	5.4	5.9	7.4	5.3	9.7	2.8	4.4			
11.3	L	E	F	T	X	L	A	N	E	S	11.3	
	5.3	5.4	4.9	9.3	10.0	4.4	6.4	6.0	5.4	4.3		



R4-30-132, R4-31-132, R4-33-84, R4-34-84, R4-35-84, R4-32-90



R4-32-90; 6.0" Radius, 1.0" Border, Black on White;

[END] E; [TRUCK] E; [RESTRICTION] E;

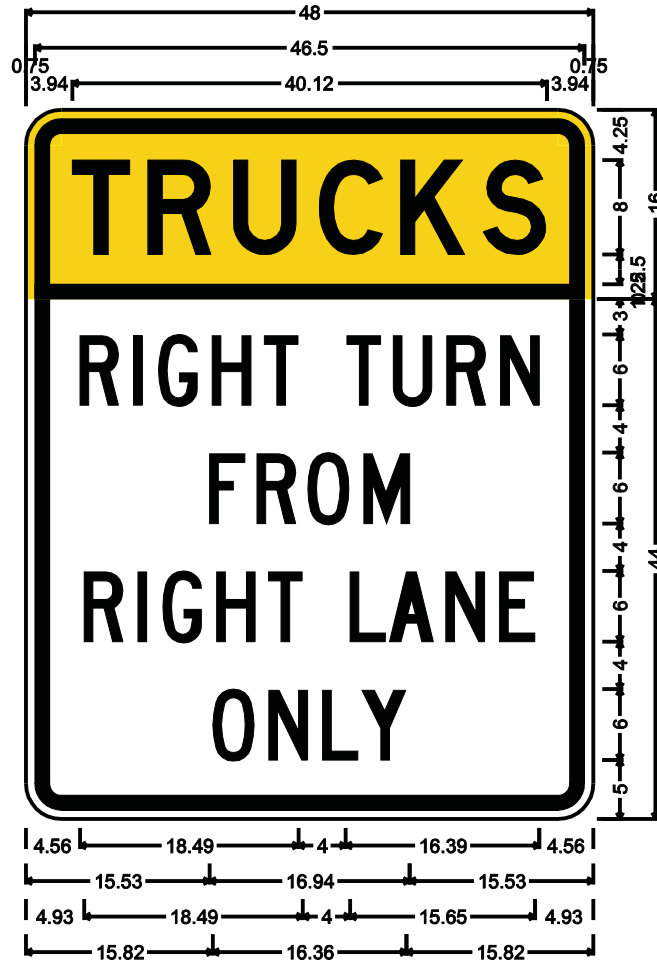
Table of letter and object lefts.

<b>E</b>	<b>N</b>	<b>D</b>	<b>T</b>	<b>R</b>	<b>U</b>	<b>C</b>	<b>K</b>			
12.4	19.9	28.3	38.7	46.2	54.7	63.1	71.1			
<b>R</b>	<b>E</b>	<b>S</b>	<b>T</b>	<b>R</b>	<b>I</b>	<b>C</b>	<b>T</b>	<b>I</b>	<b>O</b>	<b>N</b>
6.6	15.0	22.5	30.5	38.1	46.5	49.9	57.4	64.9	68.4	77.1



# R4-5C-48

R4-5C-48 was designed for use for double right turn lanes where geometrics do not allow two trucks to turn simultaneously, and the preferred lane is the right lane.



R4-5C-48;

3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;

[TRUCKS] D;

3.00" Radius, 1.25" Border, 0.75" Indent, Black on White;

[RIGHT] C; [TURN] C; [FROM] C; [RIGHT] C; [LANE] C;

[ONLY] C;

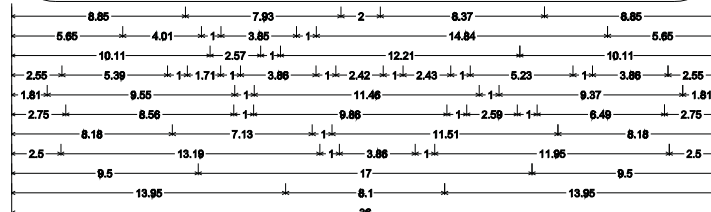
Table of distances between letter and object lefts.

	T	R	U	C	K	S				
3.94	6.37	7.25	7.25	6.88	7.00	5.37	3.94			
0.75	46.50		0.75							
4.56	R	I	G	H	T	T	U	R	N	4.56
	4.55	2.10	4.55	4.29	7.00	4.02	4.54	4.55	3.28	
15.53	F	R	O	M						
	4.02	4.29	4.73	3.90	15.53					
4.93	R	I	G	H	T	L	A	N	E	4.93
	4.55	2.10	4.55	4.29	7.00	3.34	4.76	4.55	3.00	
15.82	O	N	L	Y						
	4.73	4.54	3.34	3.75	15.82					





# R7-10-36 & R7-10.1-36



R7-10.1-36; 2.25" Radius, 0.86" Border, 0.63" Indent, Black on White;  
[REST] C; [AREA] C; [FOR] C; [THE] C; [CONVENIENCE] C; [OF] C; [MOTORISTS] C; [AREA] C 80% spacing;  
[IS] C 80% spacing; [NOT] C 80% spacing; [TO] C 80% spacing; [BE] C 80% spacing; [USED] C 80% spacing;  
[FOR] C 80% spacing; [CAMPING,] C 80% spacing; [OVERNIGHT] C 80% spacing; [PARKING,] C 80% spacing;  
[SPORTS,] C 80% spacing; [MEETINGS] C 80% spacing; [OR] C 80% spacing; [OTHER] C 80% spacing; [GROUP] C;  
[ACTIVITIES] C; [COMMERCIAL,] C 80% spacing; [USE] C 80% spacing; [PROHIBITED] C 80% spacing; scdot;

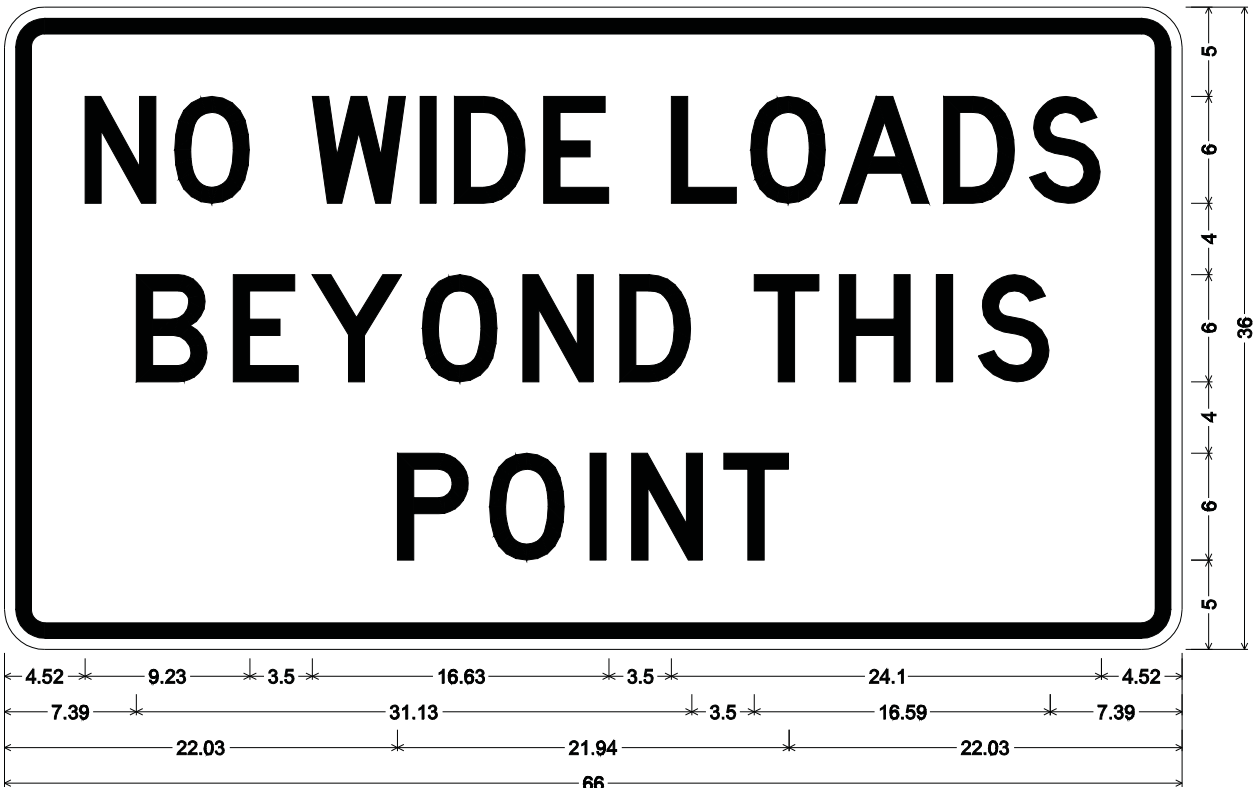
Table of distances between letter and object lefts.

R	E	S	T	A	R	E	A	8.85																
8.85	2.27	2.01	2.15	3.50	2.38	2.27	1.84	1.88	8.85															
5.65	1.34	1.58	2.09	1.34	1.51	2.00	1.43	1.58	1.43	1.58	1.34	1.51	0.70	1.34	1.52	1.43	1.00	5.65						
10.11	1.57	2.00	1.72	1.50	1.33	1.58	1.52	0.70	1.43	1.34	1.09	10.11												
2.55	1.52	1.44	1.18	2.25	0.81	2.10	1.43	1.43	2.00	1.27	2.15	1.43	2.00	1.43	1.43	1.27	2.10	1.27	1.49	1.10	2.55			
1.81	1.27	1.52	1.64	1.43	0.82	1.43	1.38	1.28	1.43	1.49	1.27	1.43	1.43	0.82	1.43	1.38								
2.00	1.38	1.52	1.44	1.38	0.82	1.43	1.38	0.28	1.81															
2.75	1.43	1.36	1.49	1.37	1.27	1.36	1.28	1.94	1.27	1.18	1.27	0.82	1.43	1.36	2.00	1.50	2.09	1.43	1.27	1.43	1.27	1.09	2.75	
8.18	1.51	1.43	1.58	1.52	2.09	1.59	1.32	1.34	0.82	1.55	0.82	1.34	0.70	1.34	1.09	8.18								
2.50	1.38	1.49	1.64	1.83	1.27	1.36	1.37	0.55	1.52	2.00	1.43	1.43	2.00	1.43	1.37	1.49	1.43	0.82	1.43	0.55	1.27	1.27	1.09	2.50
9.50	17.00	9.50																						
13.95	8.10	13.95																						



# R12-8A-66

When there are cases that the lane widths are constricted by the placement of barrier walls or other channelizing devices or in cases where a permanent restriction exists, the No Wide Loads Beyond This Point, (R12-8A-66) should be used to restrict oversized vehicles. The sign should be placed to allow the vehicles to exit the roadway prior to entering the restricted area.



R12-8a-66; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [NO] D 70% spacing; [WIDE] D 70% spacing; [LOADS] D 70% spacing; [BEYOND] D; [THIS] D; [POINT] D;  
 Table of distances between letter and object lefts.

4.52	N	O	W	I	D	E	L	O	A	D	S	4.52
	5.01	7.72	6.04	1.92	5.02	7.15	4.45	5.00	5.80	4.82	4.03	
7.39	B	E	Y	O	N	D	T	H	I	S	7.39	
	5.44	4.40	6.19	5.63	5.43	7.54	4.78	5.43	2.35	4.03		
22.03	P	O	I	N	T	22.03						
	5.16	5.62	2.35	5.15	3.66							



# Chapter Two

## MUTCD Warning Signs

### Section 2C.08 Advisory Speed Plaque (W13-1P)

South Carolina court rulings have held that a black and yellow advisory speed plaque constitutes the legal speed limit through the section of roadway covered by the advisory speed posted. For this reason, engineering judgment must be used to establish the need for the speed reduction and the advisory speed established. Care should be taken to not post an unreasonably low advisory speed. Advisory speeds should be checked periodically to determine whether conditions have changed since the advisory speed was posted and the speed should be adjusted if necessary. [Traffic Engineering Guideline TG-6](#) provides guidance in using the ball-bank indicator to set advisory speeds.

When advisory speed plaques are used to supplement signs with a florescent yellow-green background, the advisory speed plaque shall be florescent yellow-green.

### Section 2C.11 Combination Horizontal Alignment/Intersection Signs (W1-10 Series)

Figure 2C-1 shows six combination signs with a curve and an intersection. If a particular location requires a different configuration, Traffic Engineering can provide a layout which better depicts actual field conditions.

### Section 2C.27 Low Clearance Signs (W12-2, W12-2a)

The use of these signs should be in accordance with the MUTCD. SCDOT has modified the layout of the W12-2a sign to facilitate the installation of the sign on concrete beam bridges. Refer to W12-2P-78 in the [SCDOT Special Warning Signs](#) for the layout.

### Section 2C.32 Surface Condition Signs (W8-5, W8-7, W8-8, W8-11, W8-13, and W8-14)

[Engineering Directive 43](#) details the Department's policy concerning the installation of W8-13, based upon historical weather patterns and the likelihood of a bridge freezing.

### Section 2C.38 Reduced Speed Limit Ahead Signs (W3-5 and W3-5a)

The MUTCD allows either of the two signs for warning of a reduction in the speed limit. SCDOT has adopted W3-5 for this purpose, when engineering judgment indicates the need for advance notice to comply with the reduced speed.

### **Section 2C.48 Traffic Signal Signs (W25-1, W25-2)**

SCDOT signal design standards do not allow an extended green for opposing traffic on a normal basis. In certain railroad pre-emption applications the extended green may be necessary to provide adequate track clearance. In these cases, the W25-2 sign may be used to warn motorists of the special signal phasing.

### **Section 2C.49 Vehicular Traffic Warning Signs (W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-12P, W11-14, W11-15, and W11-15a)**

Figure 2C-10 of the MUTCD lists several signs to warn of vehicular traffic that may enter or cross the roadway and depending on sight distance or other factors may require advance warning for the through roadway traffic. SCDOT has adopted a word message sign (W11-13-30, W11-13-36, or W11-13-48) for warning for trucks entering the highway. We have also adopted a word message for warning for a golf cart crossing (W11-15-30), and the word message Emergency Vehicles Entering (W11-21-36) instead of the Fire Truck Symbol sign (W11-8). When a special traffic signal is located at a fire station or other emergency vehicle facility the Emergency Signal Ahead Plaque (W11-12P) shall be mounted under the Emergency Vehicles Entering Sign. Layouts for the above special signs can be found in the [SCDOT Special Warning Signs section](#).

### **Section 2C.58 Advance Street Name Plaque (W16-8P and W16-8aP)**

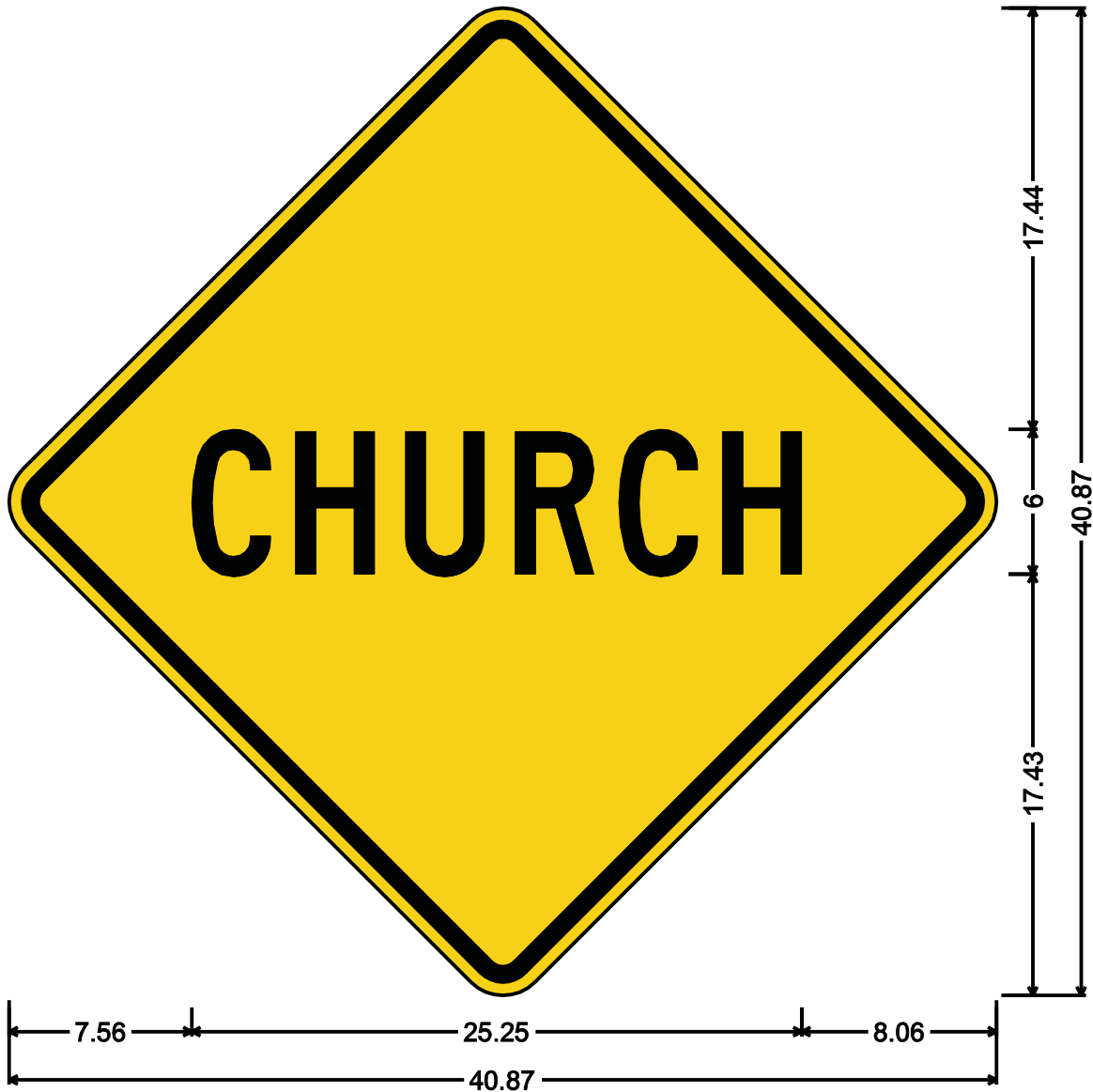
The MUTCD allows the use of an Advance Street Name Plaque under any Intersection Warning sign or Advance Traffic Control sign. SCDOT has developed [Traffic Engineering Guideline TG-11](#) for the use of this sign and the D3-2 series of advance street name signs.

### **Section 2C.60 Share the Road Plaque (W16-1P)**

SCDOT has developed sign number R9-25-24 to remind motorists of the need to share the road with bicyclists. The layout for this sign can be found in the [SCDOT Special Regulatory Sign section](#) and in [Traffic Engineering Guideline TG-8](#). The MUTCD allows the use of the share the road plaque to supplement other signs such as golf carts, horse-drawn vehicles or farm machinery. Any use of this plaque for this purpose should be approved by the Director of Traffic Engineering.

# W11-17-30

W11-17-30 may be used to warn motorists of a church entrance where the view to the entrance is restricted for motorists on the through highway.



W11-17-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

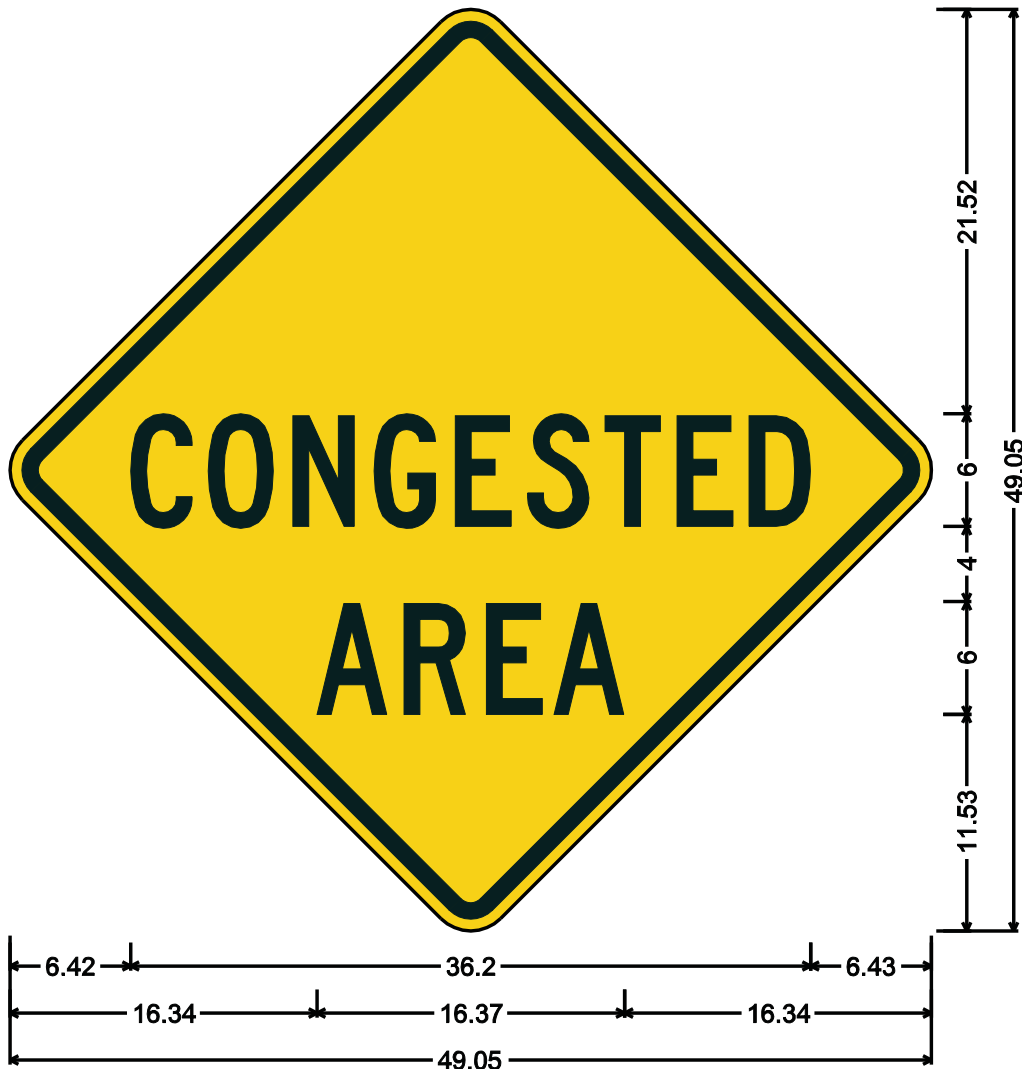
[CHURCH] C;

Table of distances between letter and object lefts.

7.56	C	H	U	R	C	H	8.06
	4.29	4.55	4.54	4.30	4.29	3.28	

# W3-20-36 & W3-20-48

Congested area signs may be used in areas where congestion is generally unexpected by the motoring public. Some examples of this type congestion are large flea markets open primarily on weekends and special events. In the case of a special event such as football games, county fairs, etc., the sign should be temporarily mounted and removed after the event. W3-20-36 should be used on minor roadways and W3-20-48 should be used on multilane routes.



W3-20-36;

36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;

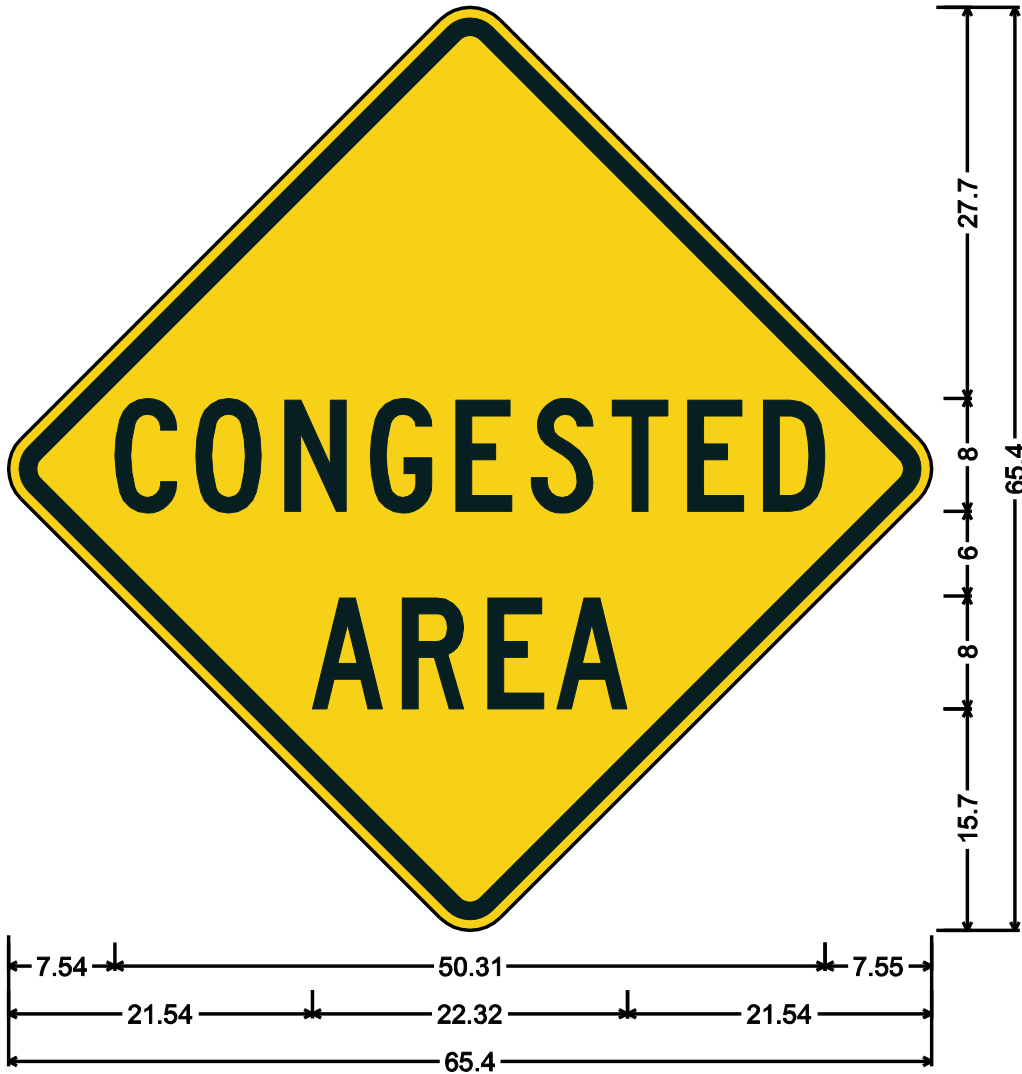
[CONGESTED] C specified length; [AREA] C specified length;

Table of distances between letter and object lefts.

	C	O	N	G	E	S	T	E	D	
6.42	4.12	4.52	4.32	4.33	3.84	4.12	3.83	3.84	3.28	6.43
16.34	A	R	E	A						
	4.64	4.38	3.60	3.75	16.34					



# W3-20-36 & W3-20-48



W3-20-48;

48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;

[CONGESTED] C; [AREA] C;

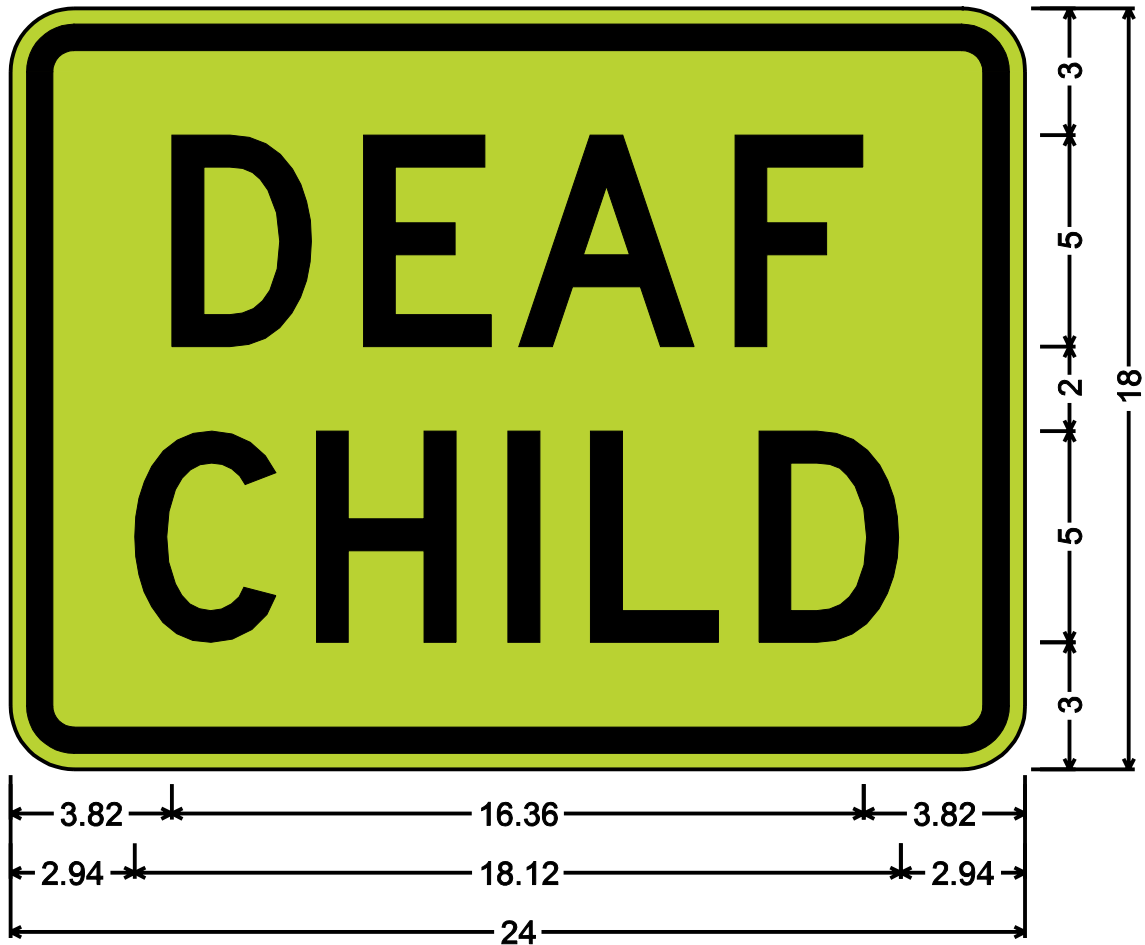
Table of distances between letter and object lefts.

7.54	C	O	N	G	E	S	T	E	D	7.55
	5.73	6.31	6.06	6.06	5.35	5.73	5.35	5.35	4.37	
21.54	A	R	E	A						
	6.35	6.06	4.91	5.00	21.54					



# W11-2.1P-24 & W11-2.2P-24

Where the Department receives notice that a deaf child or blind child lives in a neighborhood, the deaf child warning plaque (W11-2.1P-24) or blind child warning plaque (W11-2.2P-24) may be used in conjunction with a pedestrian crossing sign. [Traffic Engineering Guideline TG-15](#) provides specific requirements that must be met prior to installing these supplemental plaques.



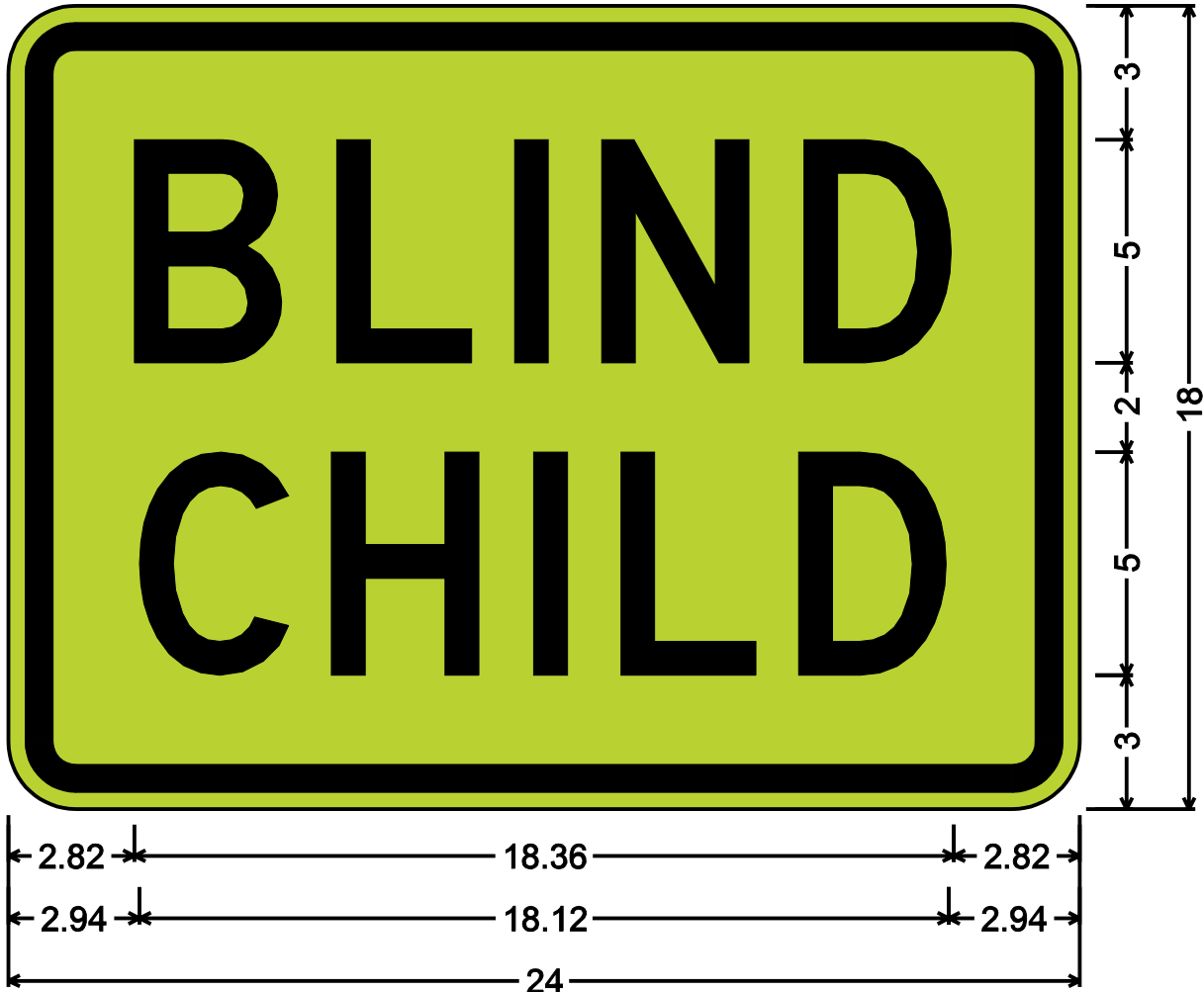
W11-2.1P-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Bright yellow green;

[DEAF] D; [CHILD] D;

Table of distances between letter and object lefts.

3.82	D	E	A	F	3.82	
	4.53	3.67	5.12	3.04		
2.94	C	H	I	L	D	2.94
	4.29	4.54	1.95	3.98	3.36	



W11-2.2P-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Bright yellow green;

[BLIND] D; [CHILD] D;

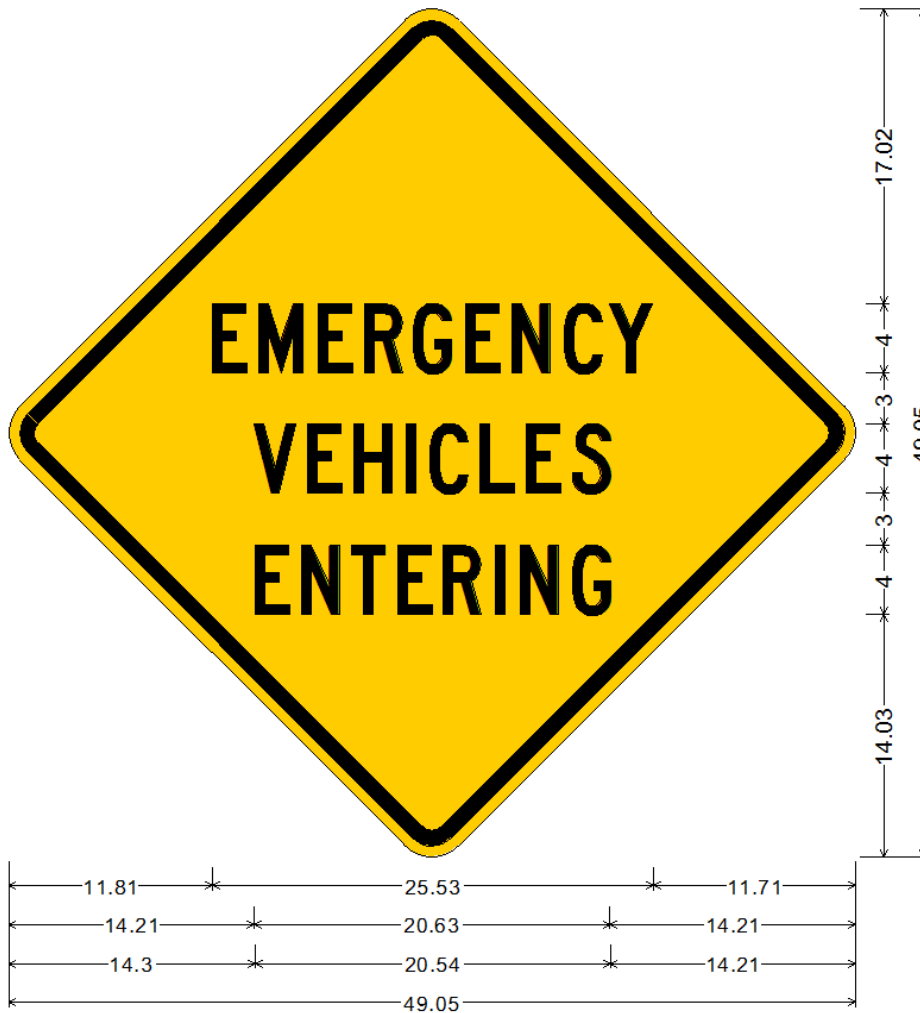
Table of distances between letter and object lefts.

2.82	B	L	I	N	D	2.82
	4.53	3.99	1.95	4.53	3.36	
2.94	C	H	I	L	D	2.94
	4.29	4.54	1.95	3.98	3.36	



# W11-33-36

W11-33-36 may be used to warn motorists in advance of fire stations, police stations, or emergency medical services facilities, where emergency vehicles may enter the roadway.



W11-33-36;  
 36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on, Yellow;  
 "EMERGENCY", C; "VEHICLES", C; "ENTERING", C;

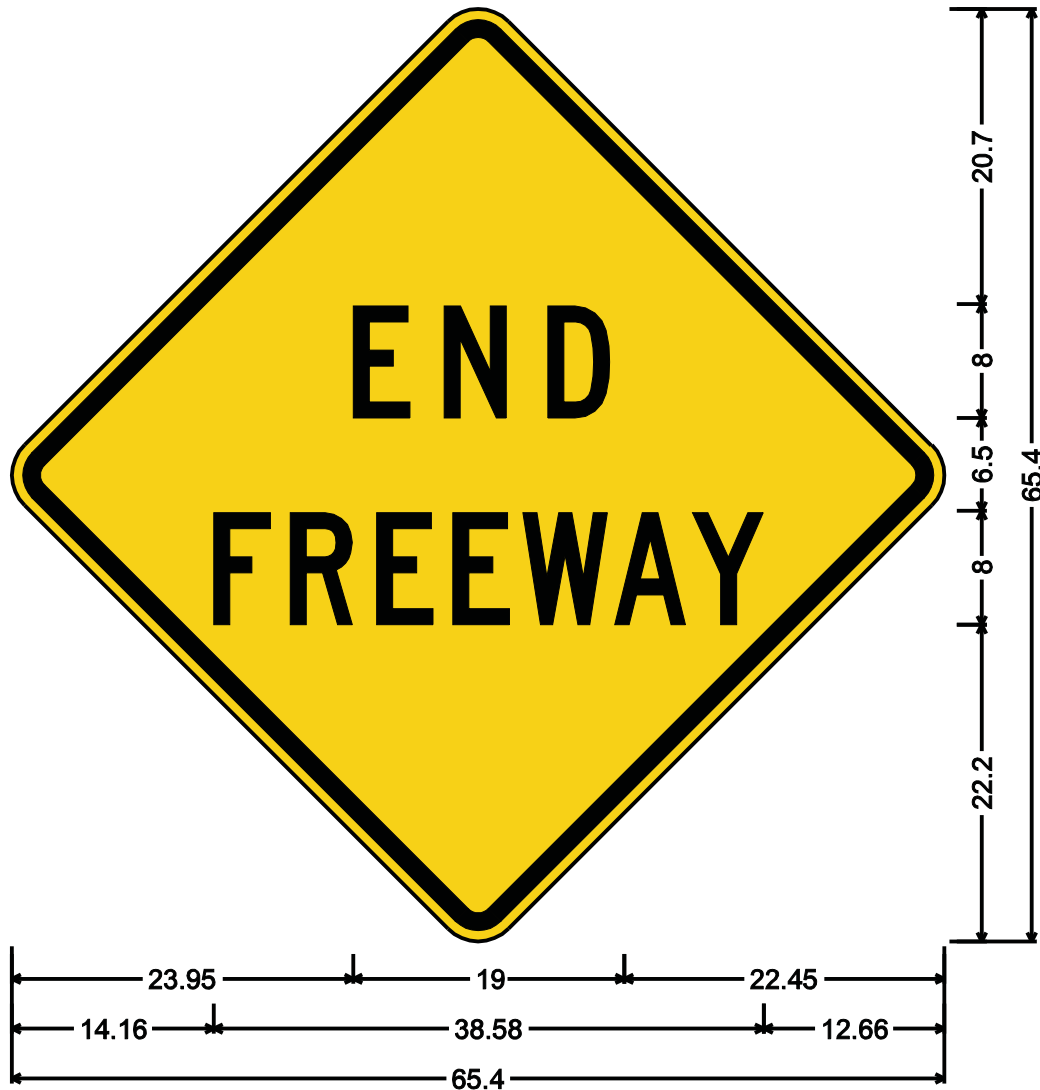
Table of distances between letter and object lefts

11.81	<b>E</b>	<b>M</b>	<b>E</b>	<b>R</b>	<b>G</b>	<b>E</b>	<b>N</b>	<b>C</b>	<b>Y</b>	11.71
	2.68	3.43	2.68	2.86	3.03	2.68	3.03	2.64	2.50	
14.21	<b>V</b>	<b>E</b>	<b>H</b>	<b>I</b>	<b>C</b>	<b>L</b>	<b>E</b>	<b>S</b>	14.21	
	3.11	2.68	3.03	1.40	2.87	2.67	2.68	2.19		
14.30	<b>E</b>	<b>N</b>	<b>T</b>	<b>E</b>	<b>R</b>	<b>I</b>	<b>N</b>	<b>G</b>	14.21	
	2.68	2.86	2.68	2.67	3.03	1.41	3.03	2.18		



# W6-9-48

The End Freeway sign (W6-9-48) is intended for use on a controlled access highway in advance of the location where that facility changes to a lower grade highway.



W6-9-48;

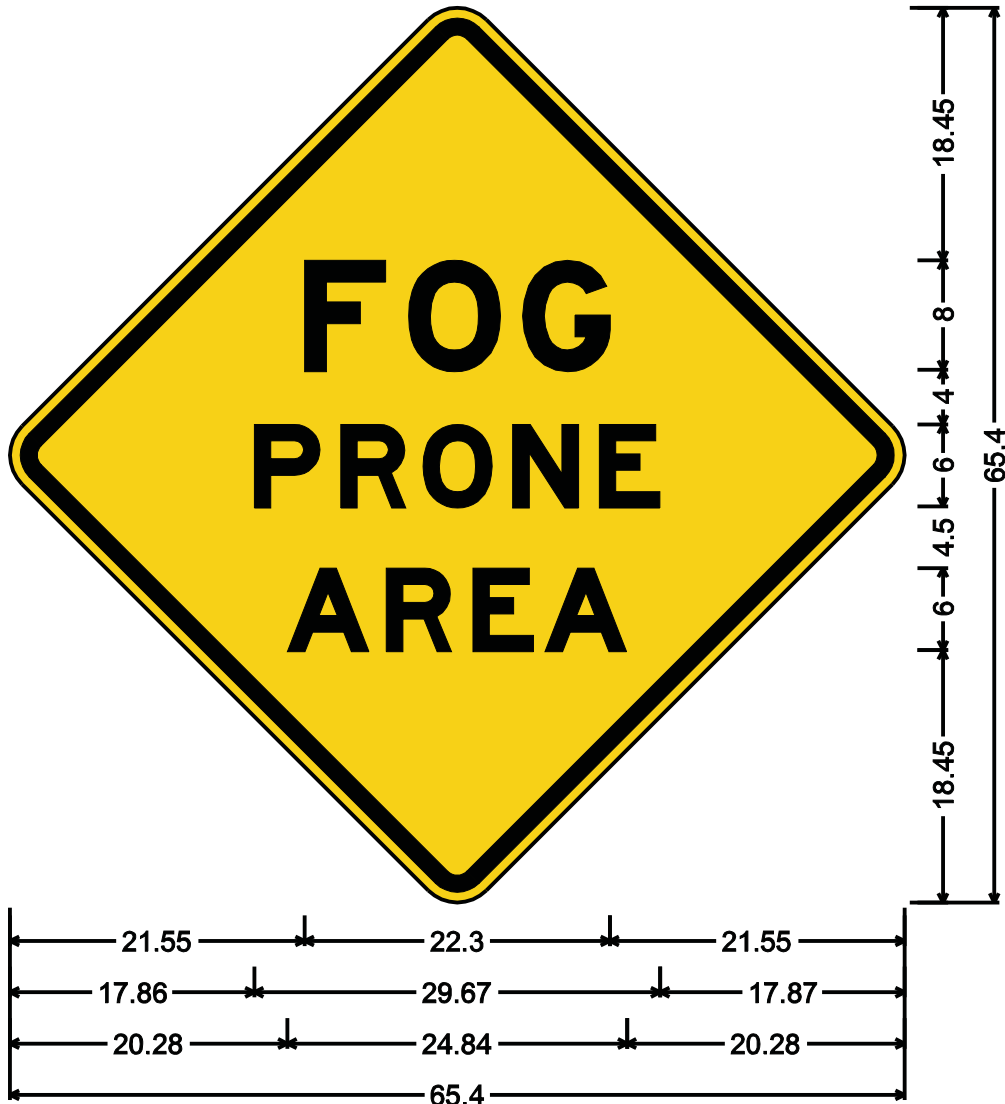
48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;  
 [END] D; [FREEWAY] C;

Table of letter and object lefts.

E	N	D				
23.95	30.32	37.57				
F	R	E	E	W	A	Y
14.16	19.51	25.57	30.92	35.83	42.28	47.74

# W8-17-48

W8-17-48 may be used where experience shows that fog may develop on a regular basis reducing visibility on a specific section of roadway.



W8-17-48;

48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;

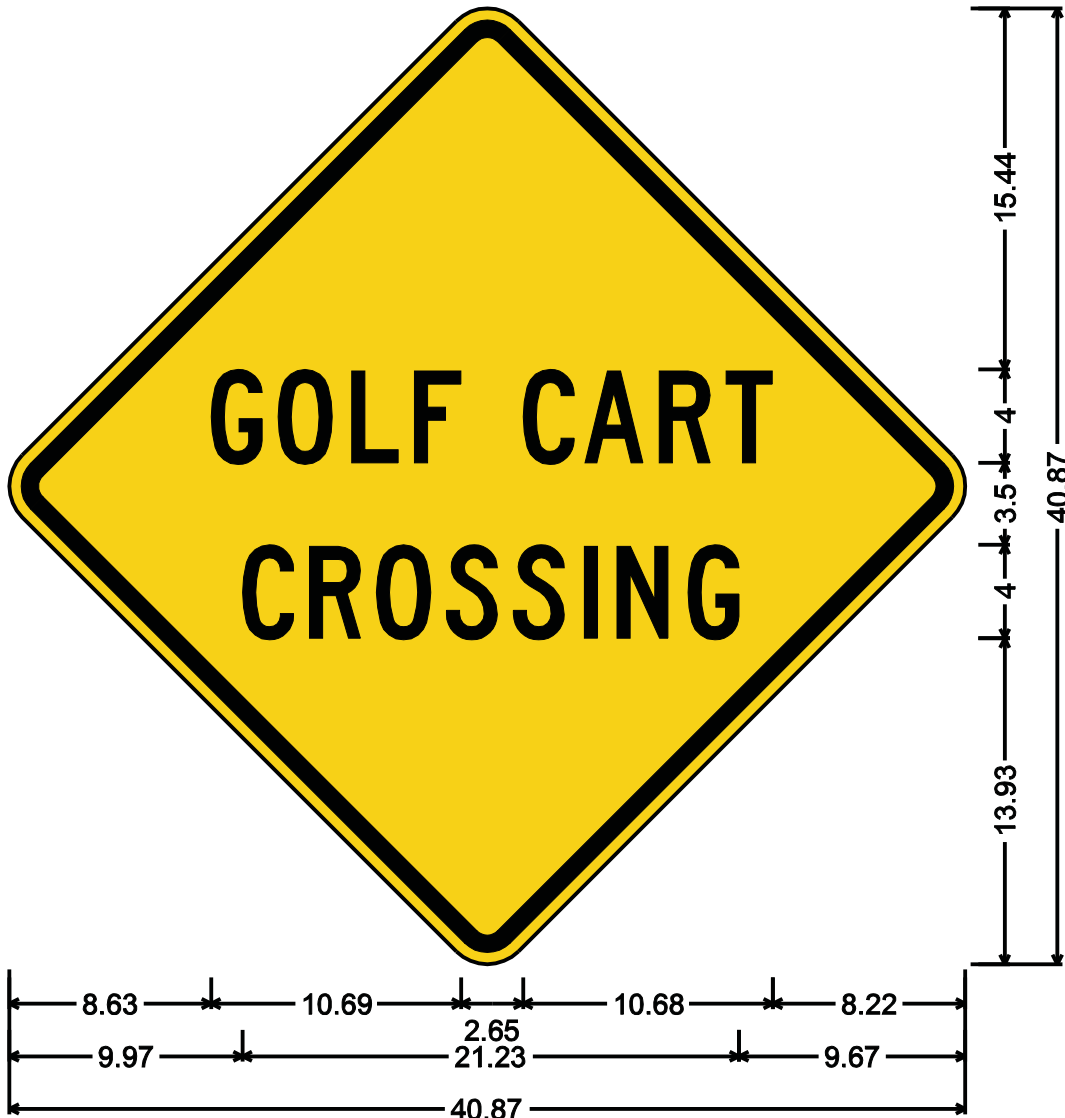
[FOG] E Mod; [PRONE] E Mod; [AREA] E Mod;

Table of distances between letter and object lefts.

21.55	<b>F</b>	<b>O</b>	<b>G</b>	21.55	
7.59	8.34	6.37			
<b>P</b>	<b>R</b>	<b>O</b>	<b>N</b>	<b>E</b>	17.87
17.86	6.32	6.02	6.56	6.32	4.45
<b>A</b>	<b>R</b>	<b>E</b>	<b>A</b>	20.28	
20.28	7.24	6.32	5.28	6.00	

# W11-15-30

W11-15-30 may be used to warn motorists in advance of a location where golf carts frequently cross the roadway.



W11-15-30;

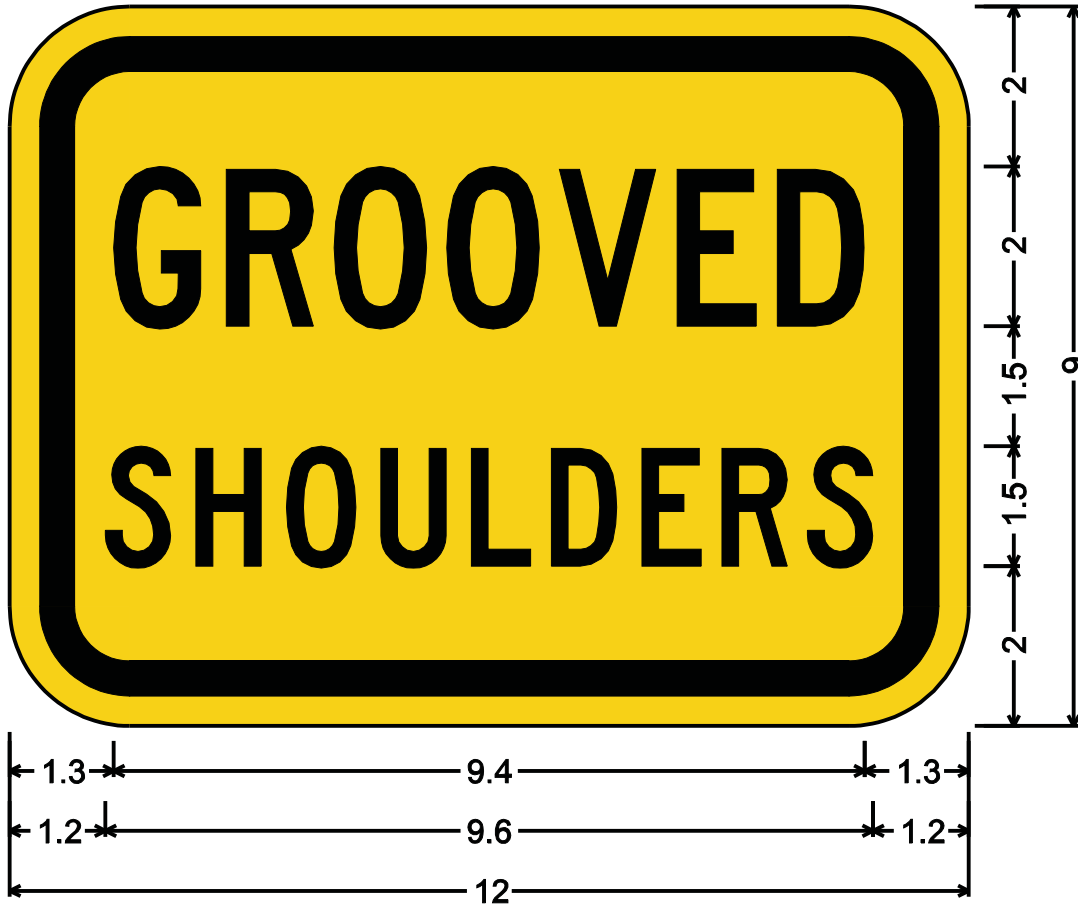
30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
 [GOLF] C; [CART] C; [CROSSING] C;

Table of distances between letter and object lefts.

8.63	G	O	L	F	C	A	R	T	8.22
	2.86	3.15	2.68	4.65	2.64	3.17	2.87	2.00	
9.97	C	R	O	S	S	I	N	G	9.67
	2.87	2.86	2.99	2.86	3.03	1.40	3.03	2.19	

# W8-20P-12 & W8-20P-24

Where milled in rumble strips are used on a non-interstate or non-controlled access roadway and bicyclists can be expected, the grooved shoulders sign (W8-20P-12 or W8-20P-24) should be used under a W8-10 sign. The size will depend upon the type roadway.



W8-20P-12;

1.50" Radius, 0.44" Border, 0.38" Indent, Black on Yellow;

[GROOVED] C 75% spacing;

[SHOULDERS] C 99% spacing;

Table of distances between letter and object lefts.

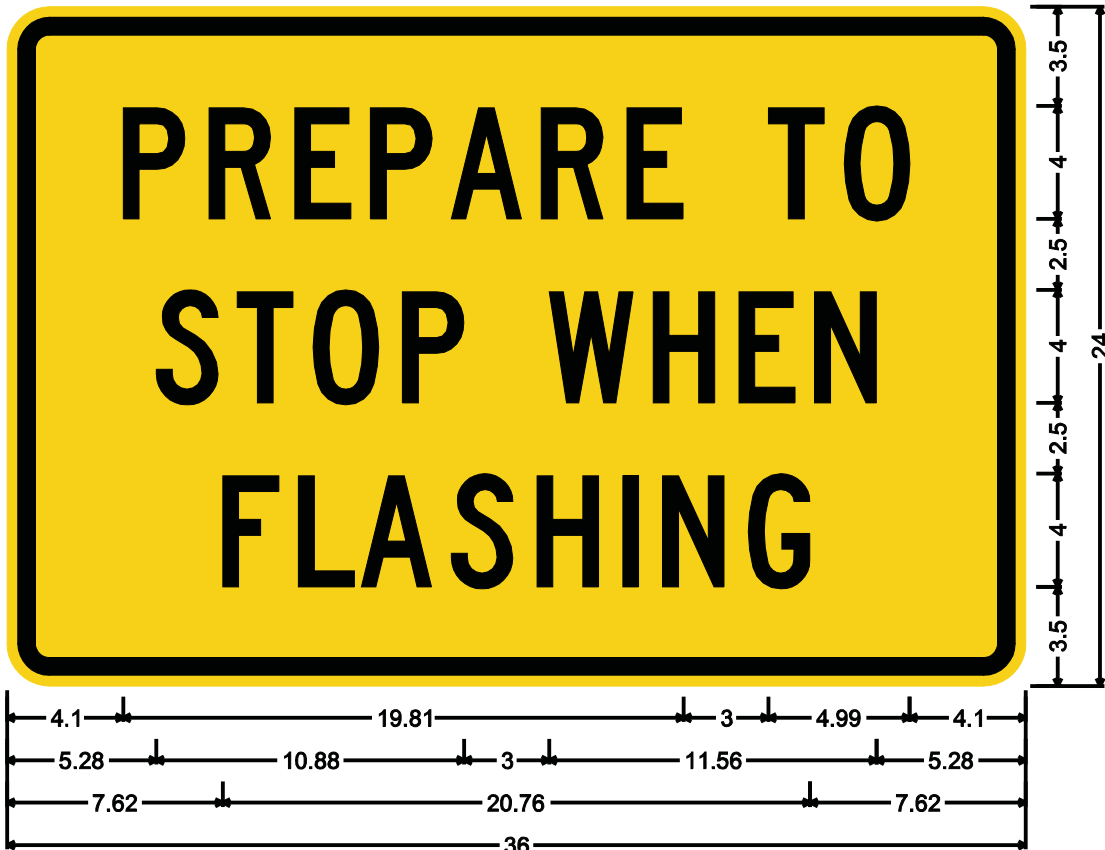
1.30	G	R	O	O	V	E	D	1.30		
	1.41	1.35	1.41	1.41	1.47	1.25	1.10			
1.20	S	H	O	U	L	D	E	R	S	1.20
	1.13	1.13	1.18	1.14	1.00	1.13	1.00	1.07	0.82	





# W16-21-36

W16-21-36 is used only in special circumstances where it is necessary to advise motorists of an unexpected stop condition such as limited visibility approaching a railroad crossing. The Director of Traffic Engineering must approve its use.



W16-21-36; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;

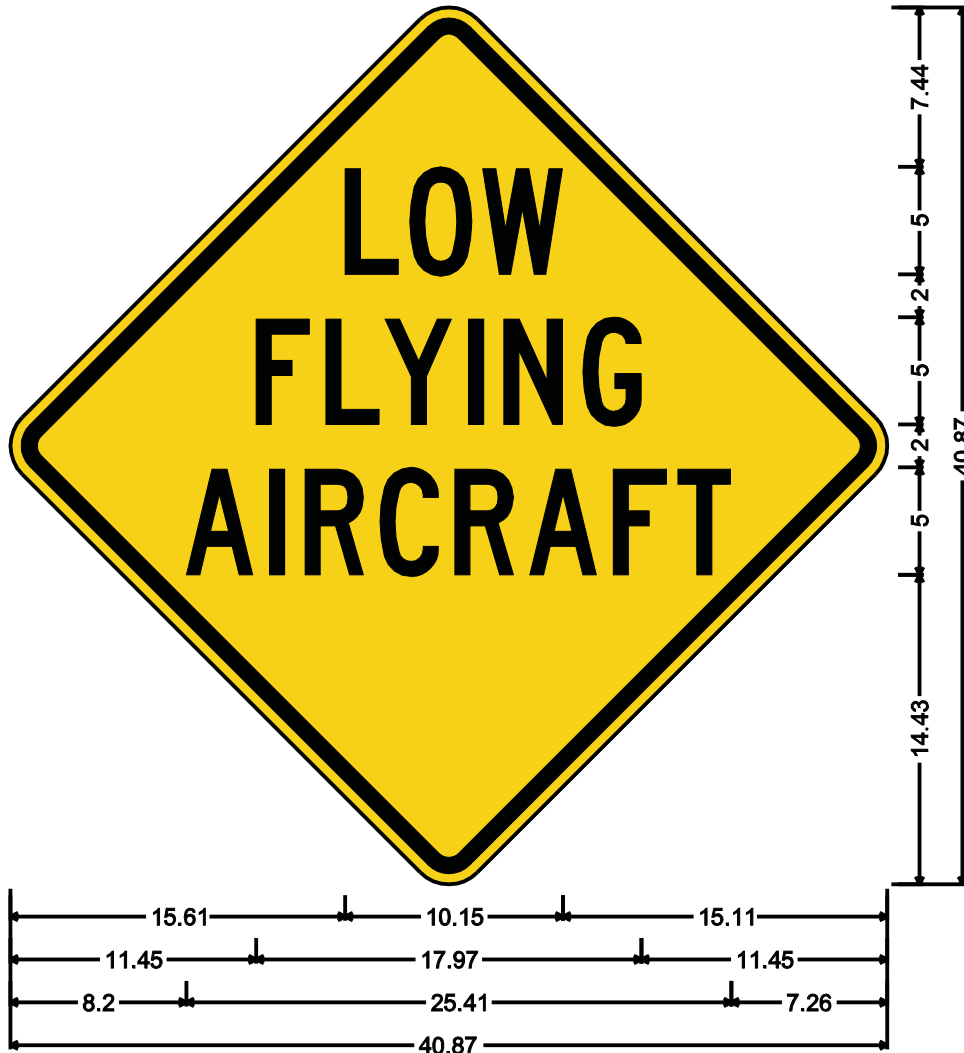
[PREPARE] C; [TO] C; [STOP] C; [WHEN] C; [FLASHING] C;

Table of distances between letter and object lefts.

4.10	P	R	E	P	A	R	E	T	O	4.10
	3.03	3.03	2.68	2.86	3.18	3.03	5.00	2.67	2.32	
5.28	S	T	O	P	W	H	E	N	5.28	
	2.86	2.67	3.16	5.19	3.67	3.03	2.68	2.18		
7.62	F	L	A	S	H	I	N	G	7.62	
	2.68	2.22	3.18	3.03	3.03	1.40	3.03	2.19		

# W11-20-30

Where planes cross a highway on a regular basis at an altitude low enough to startle or distract a driver, the Low Flying Aircraft sign (W11-20-30) may be used in advance of the crossing path.



W11-20-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[LOW] C 60% spacing; [FLYING] C 90% spacing;

[AIRCRAFT] C 90% spacing;

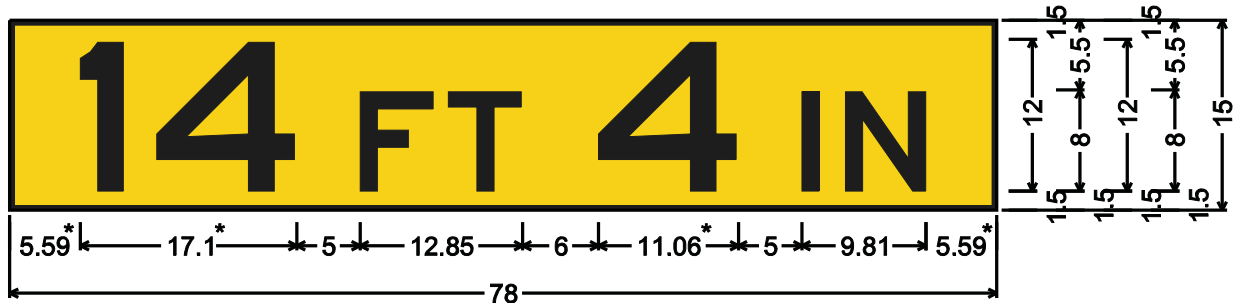
Table of distances between letter and object lefts.

15.61	L	O	W	15.11					
	3.00	3.40	3.75						
11.45	F	L	Y	I	N	G	11.45		
	3.26	2.76	3.88	1.65	3.68	2.74			
8.20	A	I	R	C	R	A	F	T	7.26
	3.88	1.65	3.50	3.49	3.49	3.89	3.01	2.50	



# W12-2P-78

W12-2P-78 should be used to mark the vertical clearance for all bridge crossings on the interstate system and other bridges where required by the MUTCD. This sign has been modified from the standard sign in the MUTCD to allow room to place the sign on concrete bridge beams. The clearance sign is to be centered over the centerline of the roadway.



W12-2P-78; 2.00" Radius, 0.38" Border, Black on Yellow;

[14] E; [FT] E; [4] E; [IN] E;

Table of distances between letter and object lefts.

	<b>1</b>	<b>4</b>	<b>F</b>	<b>T</b>	<b>4</b>	<b>I</b>	<b>N</b>	
5.59	6.04	16.06	6.97	11.88	16.06	3.44	6.37	5.59

\* THIS SPACING WILL VARY BASED ON NUMBERS USED

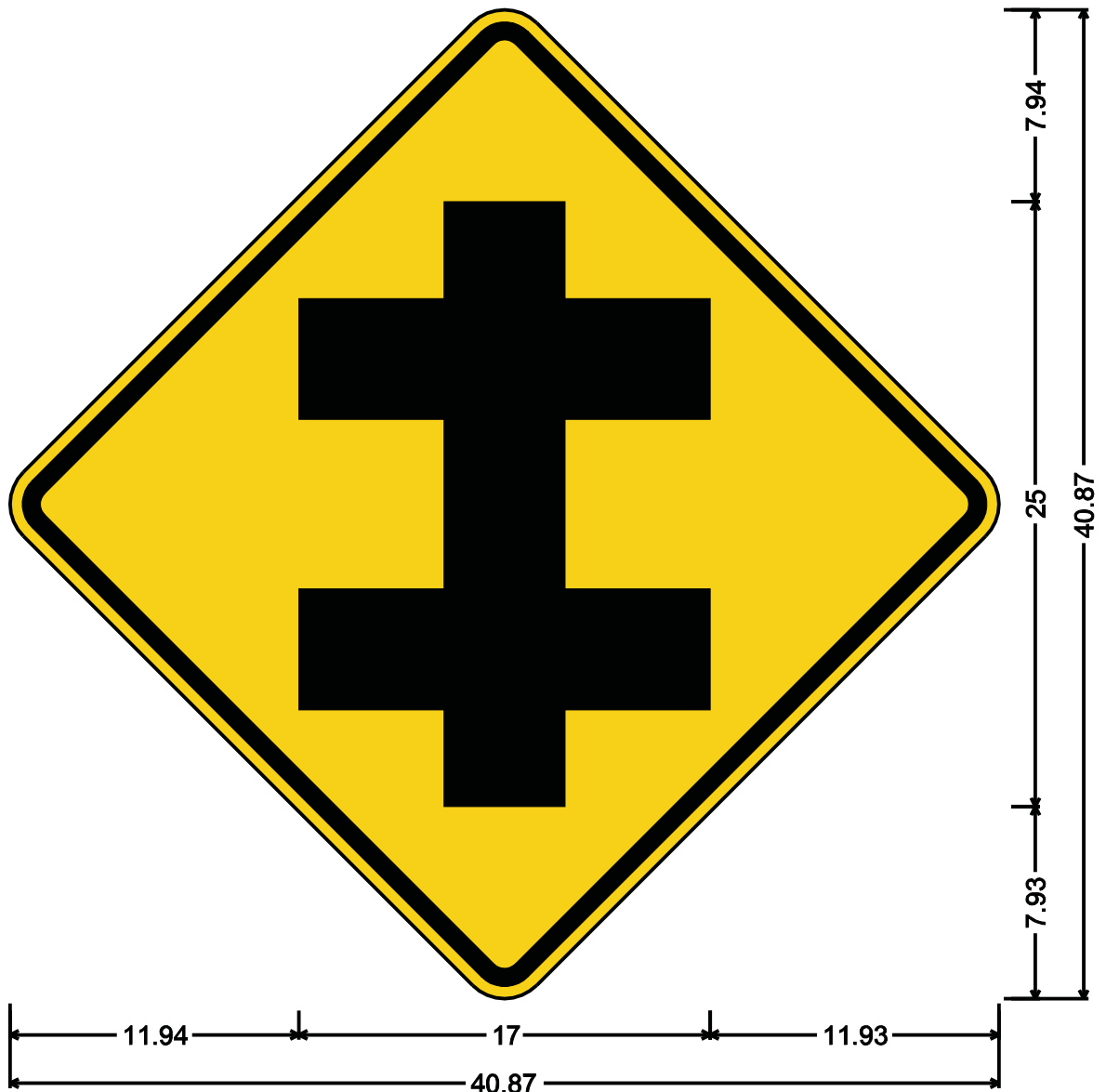




## Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30


W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30,  
W2-2.7R-30, W2-2.8L-30, and W2-2.8R-30 are all modified crossroad signs designed to  
reflect the actual geometry of multiple intersecting roads in close proximity.



W2-1.5-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Double Cross Road (Sym);

Table of distances between letter and object lefts.

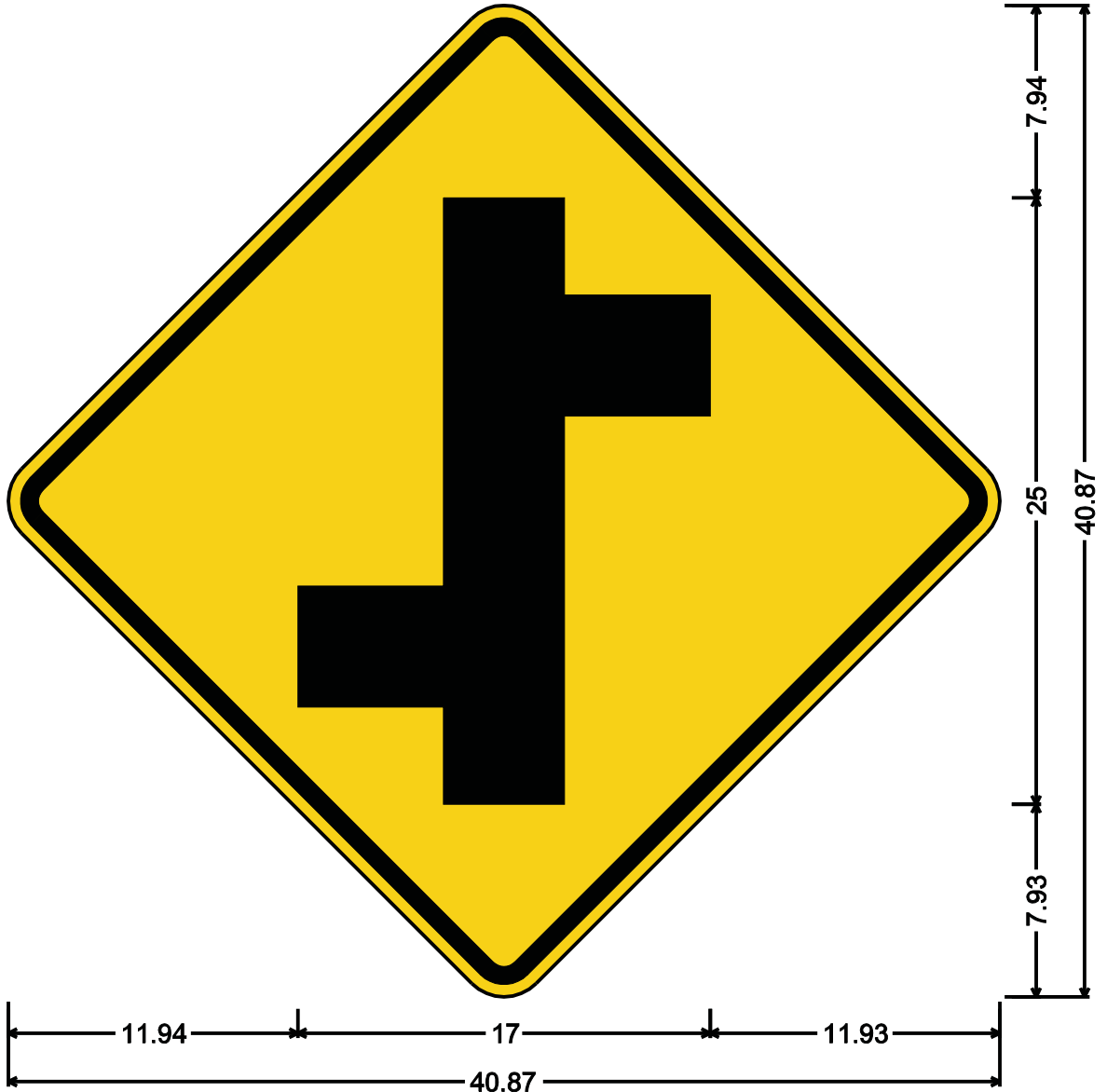
11.94		11.93
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Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30


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W2-2.5L-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Double Offset Side Road (Sym);

Table of distances between letter and object lefts.

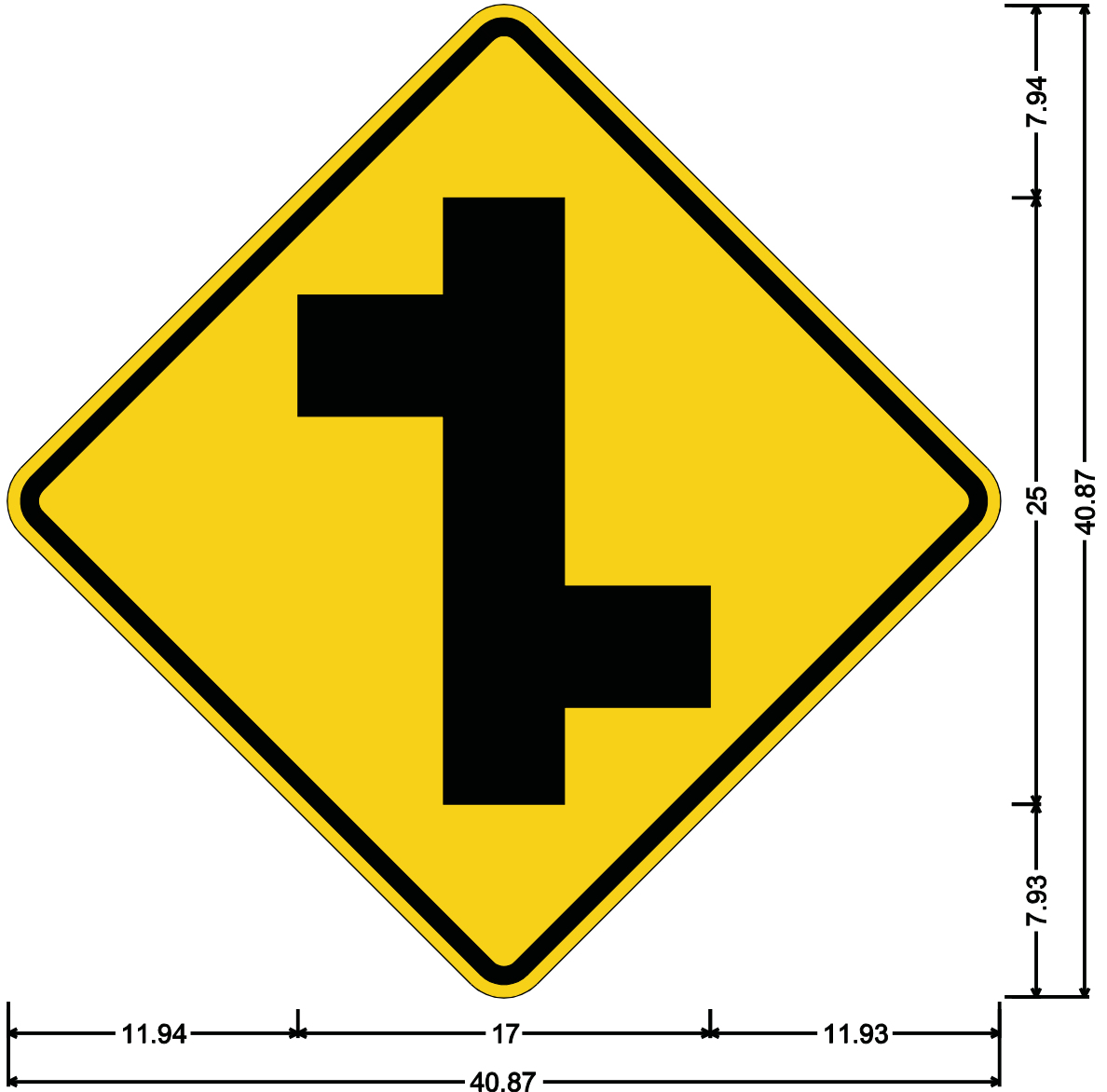
11.94		17.00	11.93
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Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30


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W2-2.5R-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Double Offset Side Road (Sym);

Table of distances between letter and object lefts.

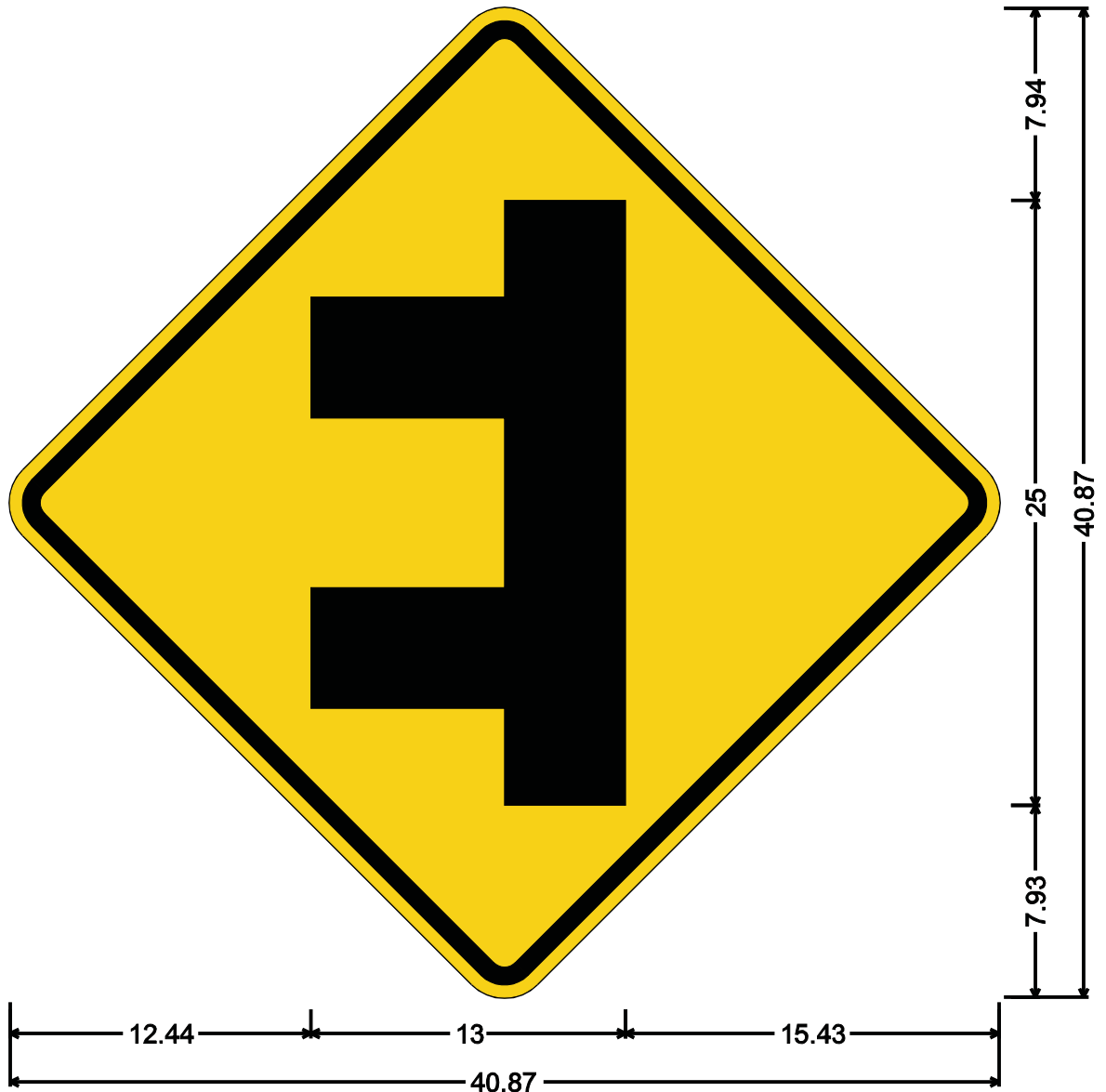
11.94		17.00	11.93
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## Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30

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W2-2.6L-30;

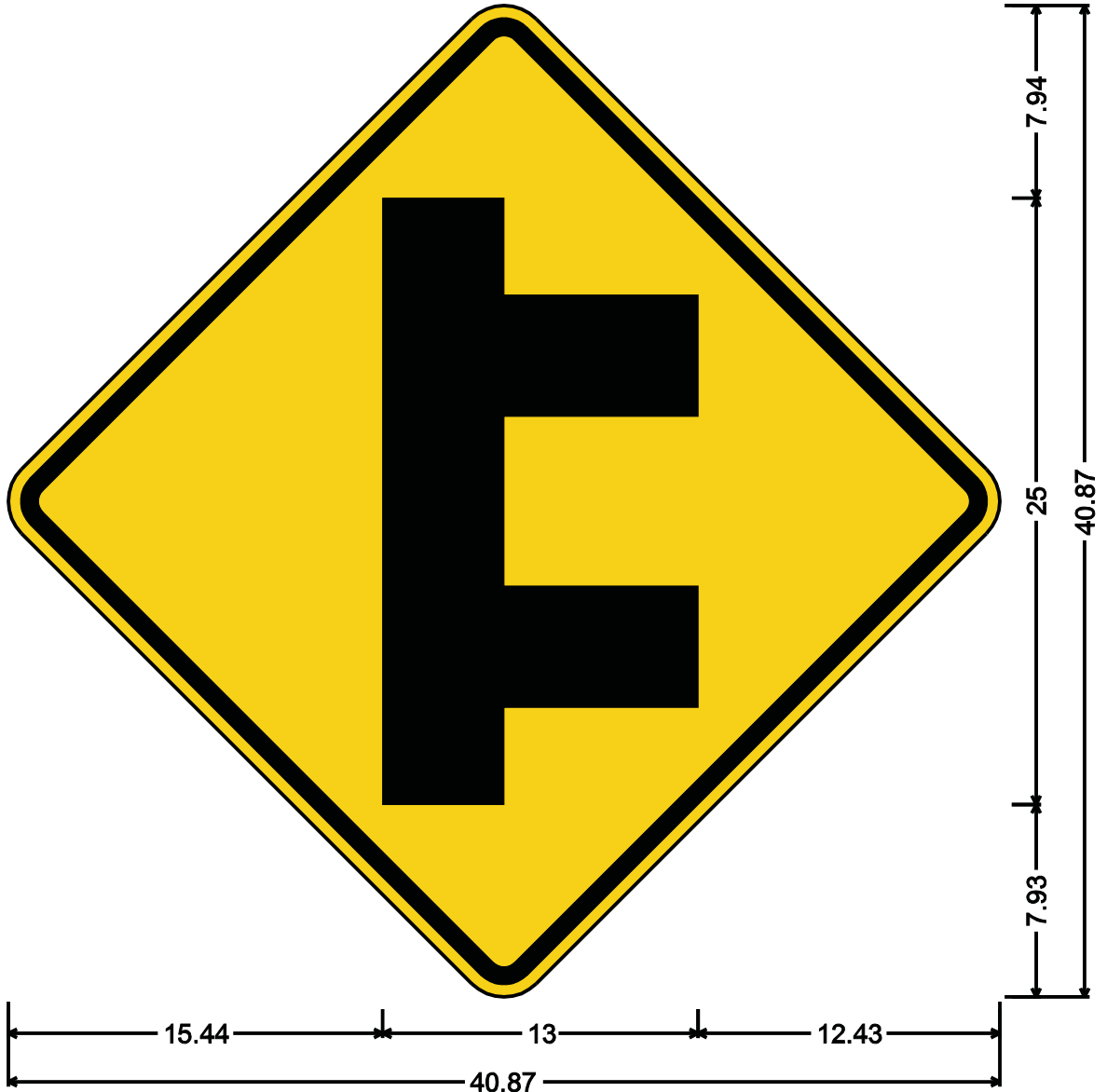
30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Double Side Road (Sym);

Table of distances between letter and object lefts.

12.44	13.00	15.43
-------	-------	-------

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30

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W2-2.6R-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Double Side Road (Sym);

Table of distances between letter and object lefts.

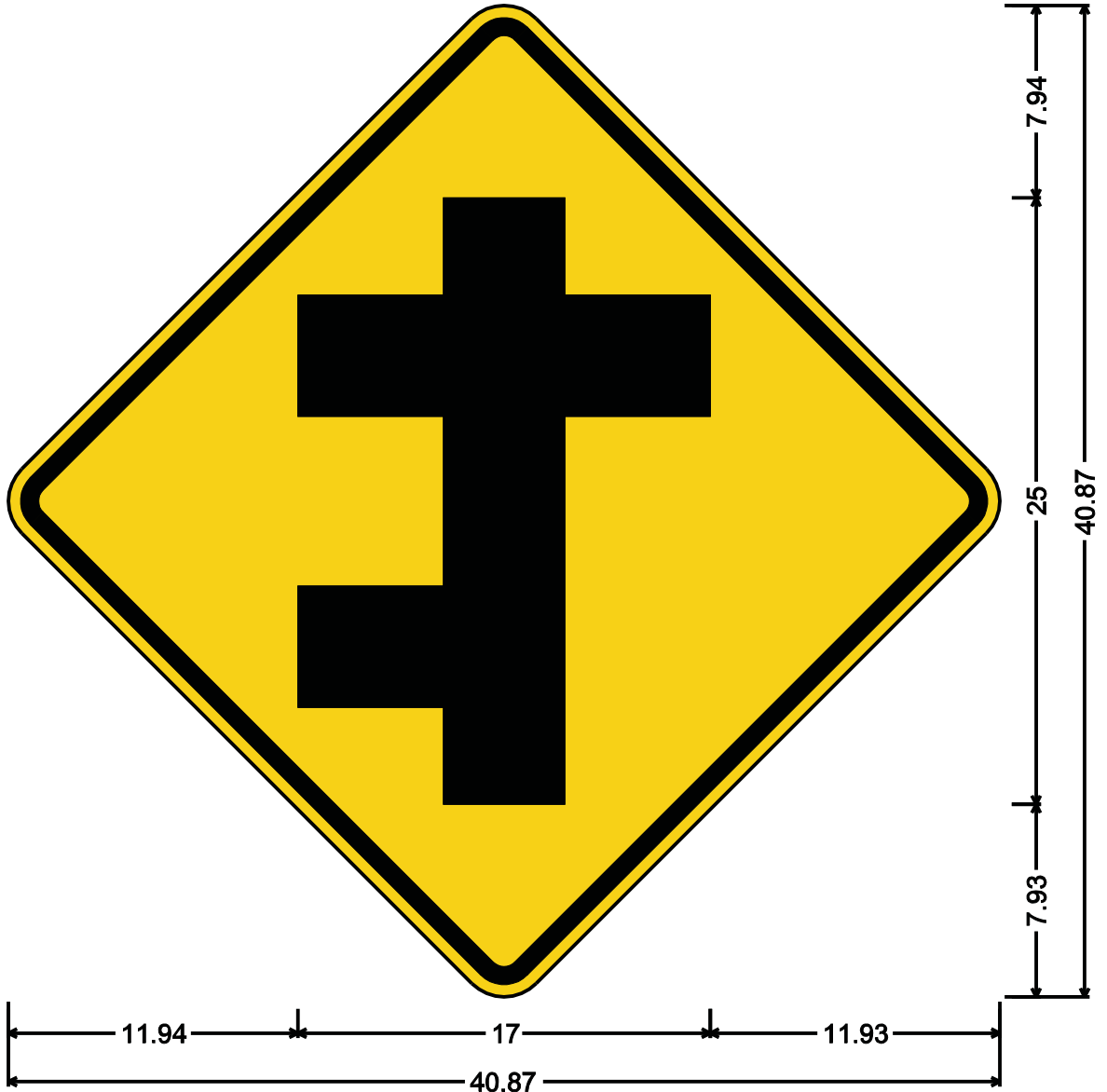
15.44	<b>E</b>	12.43
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Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30


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W2-2.7L-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Combination Cross Road/Side Road (Sym);

Table of distances between letter and object lefts.

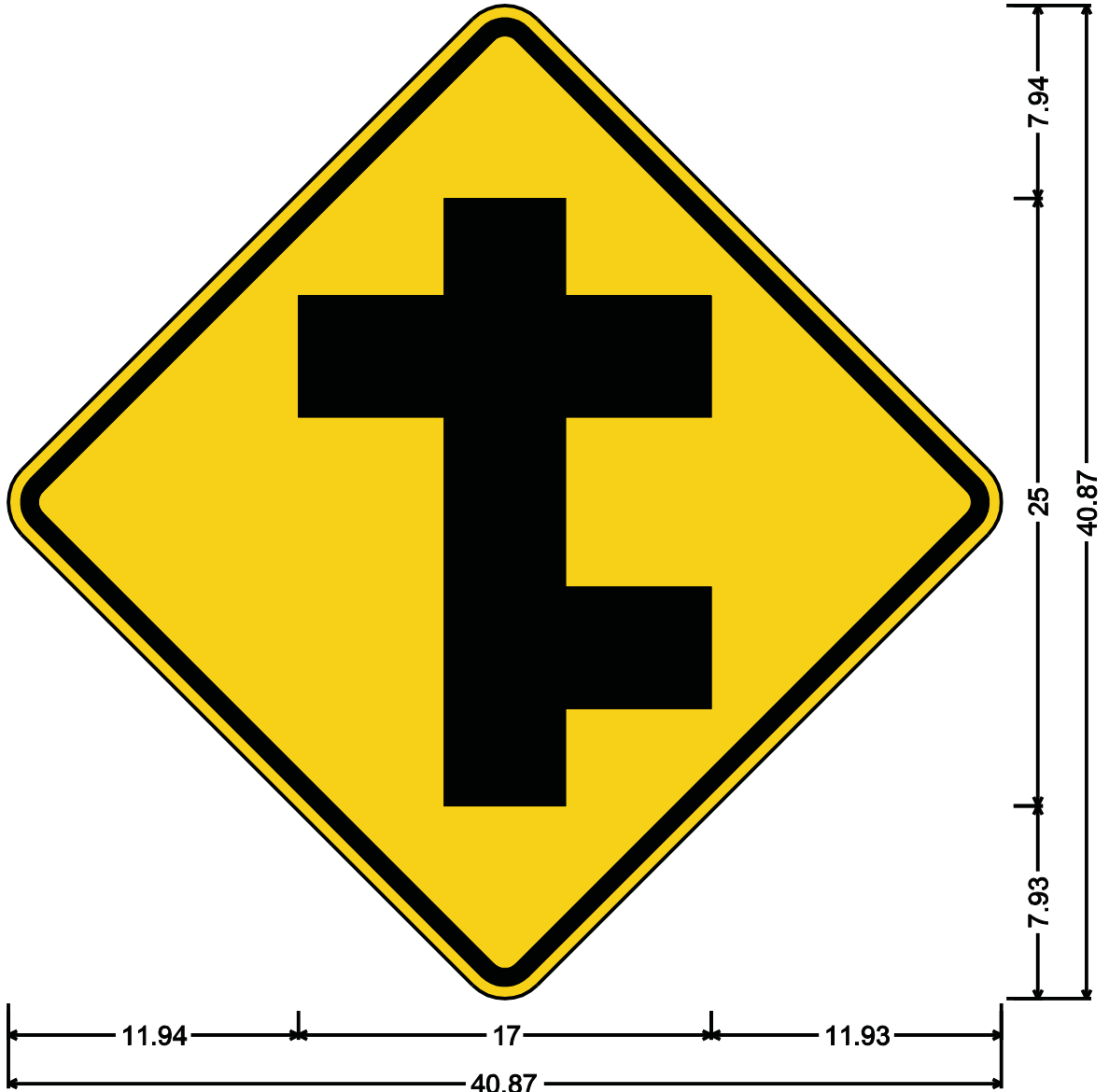
11.94		11.93
11.94	17.00	11.93



Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30


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W2-2.7R-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Combination Cross Road/Side Road (Sym);

Table of distances between letter and object lefts.

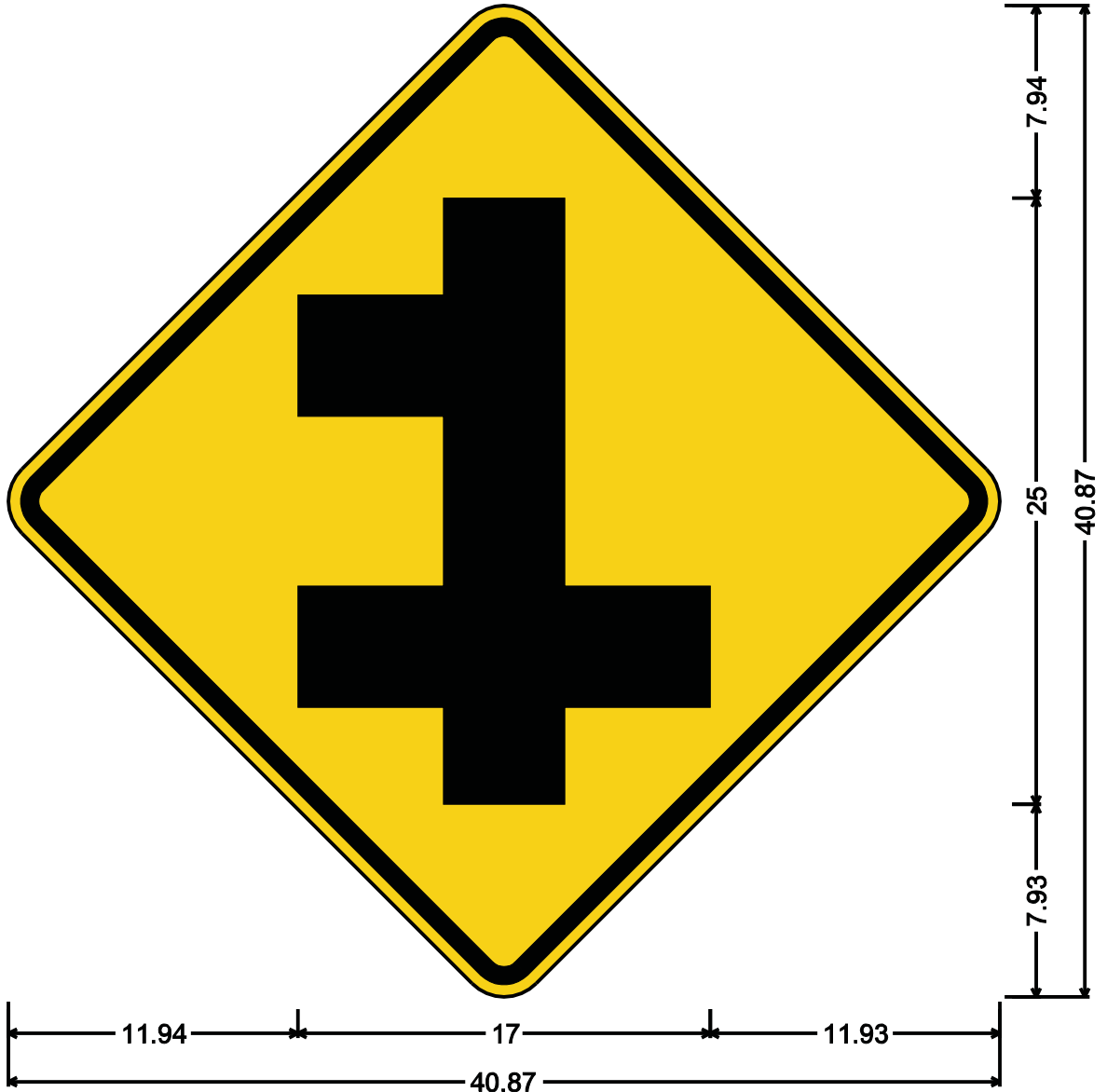
11.94		11.93
11.94	17.00	11.93



Warning Signs — Modified Crossroads Signs

W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30


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W2-2.8L-30;

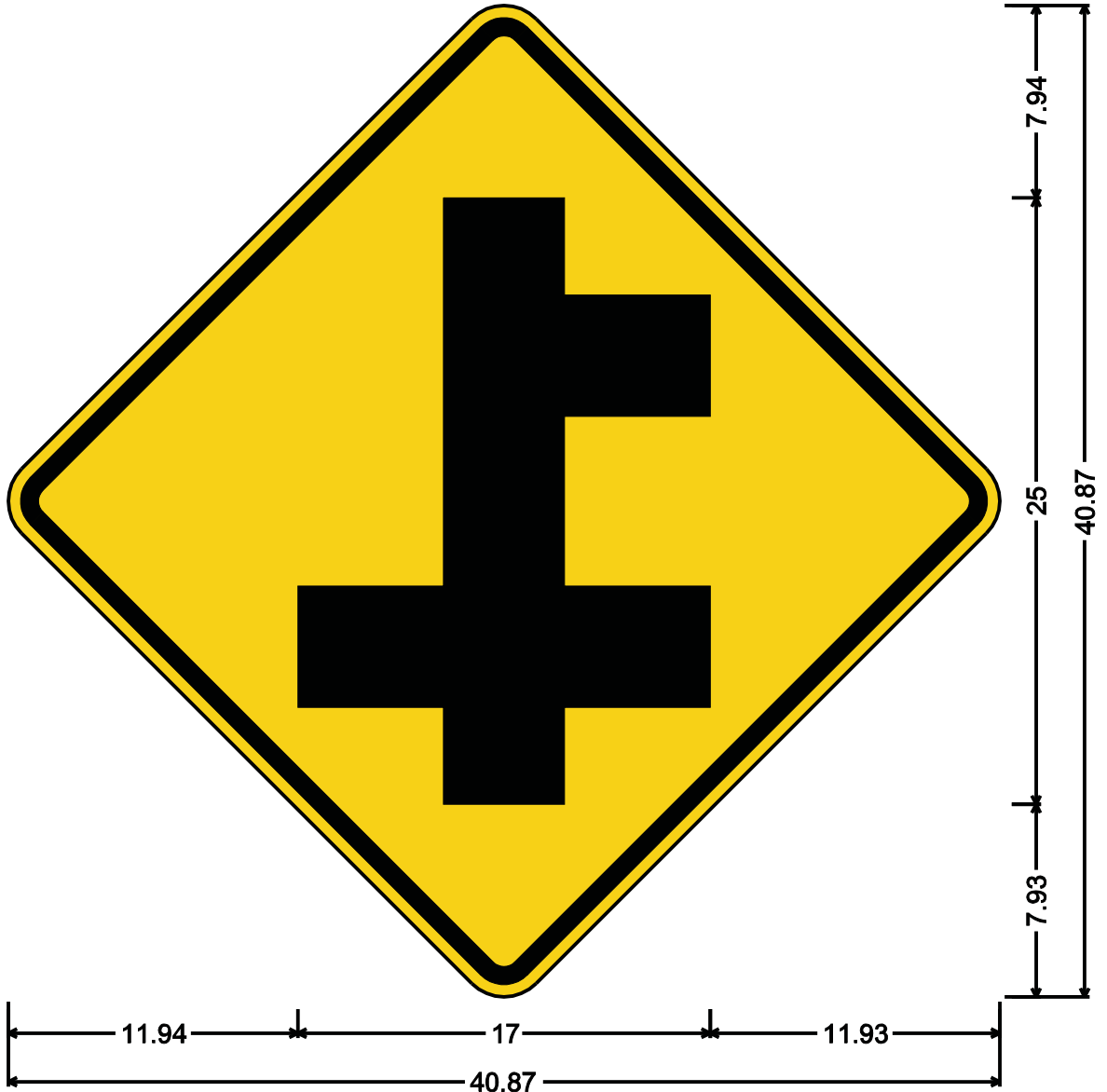
30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
Combination Cross Road/Side Road (Sym);

Table of distances between letter and object lefts.

11.94		17.00	11.93
-------	---	-------	-------



W2-1.5-30, W2-2.5L-30, W2-2.5R-30, W2-2.6L-30, W2-2.6R-30, W2-2.7L-30  
 W2-2.7R-30, W2-2.8L-30, & W2-2.8R-30



W2-2.8R-30;

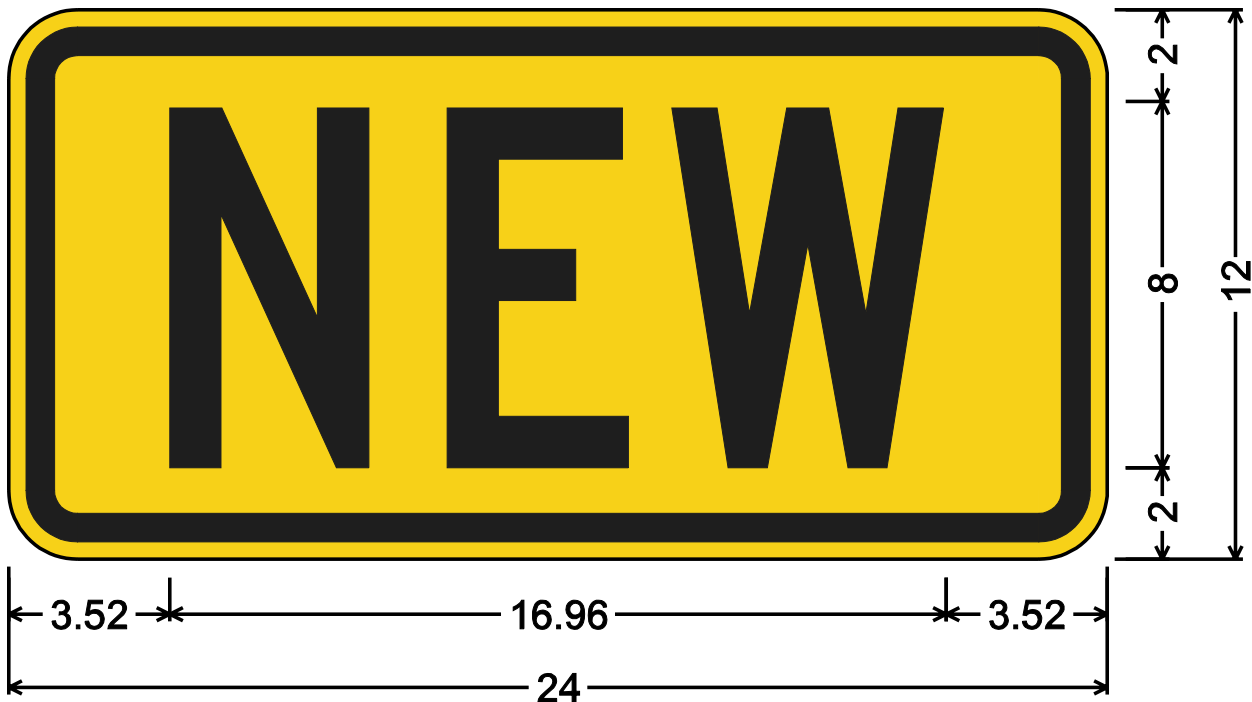
30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
 Combination Cross Road/Side Road (Sym);

Table of distances between letter and object lefts.

11.94		11.93
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# W16-20-24

W16-20-24 should be used in accordance with [Engineering Directive Memorandum 11](#) to advise of new or revised weight limits on bridges. This sign should also be used with a signal ahead sign when a new signal is installed in accordance with the Department's [Traffic Signal Design Guidelines, Chapter 3](#), and when converting a two-way stop intersection to a 4-way stop in accordance with [Engineering Directive Memorandum 6](#).



W16-20-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;  
[NEW] C;

Table of distances between letter and object lefts.

	N	E	W	
3.52	6.06	4.90	6.00	3.52

# W3-2C-24 & W3-2C-36

The no accel lane sign should be used at ramp terminals where there is no acceleration lane to enter the crossing route. The sign is to be installed under the Yield Ahead sign. W3-2C-24 is used under the W3-2-36 and W3-2C-36 is used under W3-2-48.



W3-2C-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;

[NO] B; [ACCEL] B; [LANE] B;

Table of distances between letter and object lefts.

3.22	N	O	A	C	C	E	L	2.93
	2.44	4.51	2.72	2.29	2.29	2.10	1.50	
7.82	L	A	N	E				
	1.70	2.73	2.43	1.50	7.82			



# W3-2C-24 & W3-2C-36



W3-2C-36;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;

[NO] C 75% spacing; [ACCEL] C 75% spacing; [LANE] C;

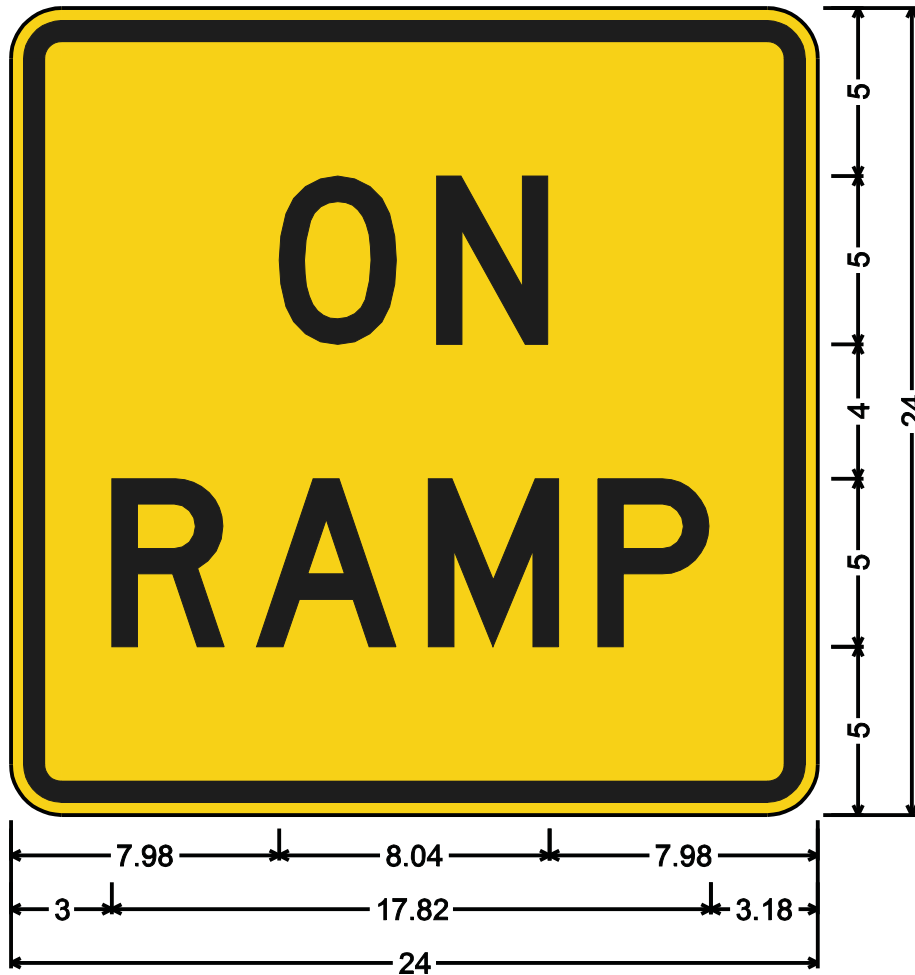
Table of distances between letter and object lefts.

3.12	N	O	A	C	C	E	L	2.83
4.23	4.23	6.47	4.51	4.04	4.04	3.76	3.00	

10.18	L	A	N	E	10.18
	3.34	4.76	4.54	3.00	

# W13-4-24

W13-4-24 may be used to warn of a traffic condition on a ramp where there is not sufficient space on the ramp to place a warning sign.



W13-4-24;  
 1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;  
 [ON] D; [RAMP] D;

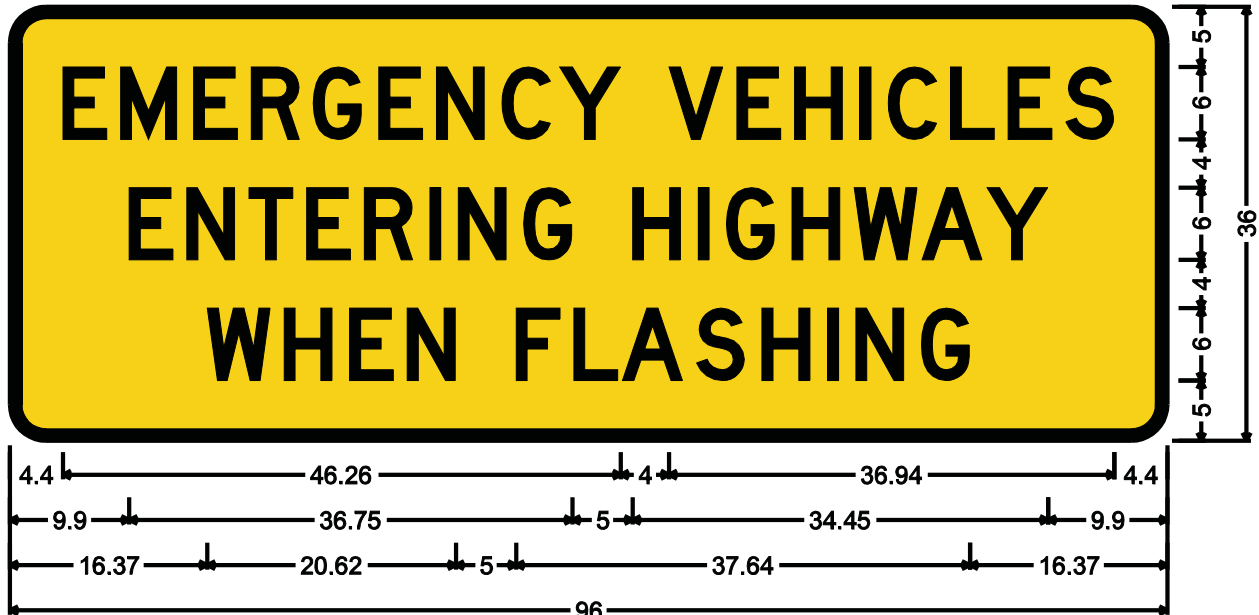
Table of distances between letter and object lefts.

	<b>O</b>	<b>N</b>				
7.98	4.68	3.36	7.98			
	<b>R</b>	<b>A</b>	<b>M</b>	<b>P</b>		
3.00	4.30	5.12	5.04	3.36	3.18	



# OHW11-21A-96

OHW11-21A-96 may be used in advance of a fire station or other emergency vehicle driveway to warn of emergency vehicles entering the roadway. The sign is supplemented by amber flashing beacons, which are activated by the fire station or emergency vehicle operator.



OHW11-21A-96; 3.00" Radius, 1.00" Border, Black on Yellow;  
 [EMERGENCY] D; [VEHICLES] D; [ENTERING] D; [HIGHWAY] D; [WHEN] D;  
 [FLASHING] D;

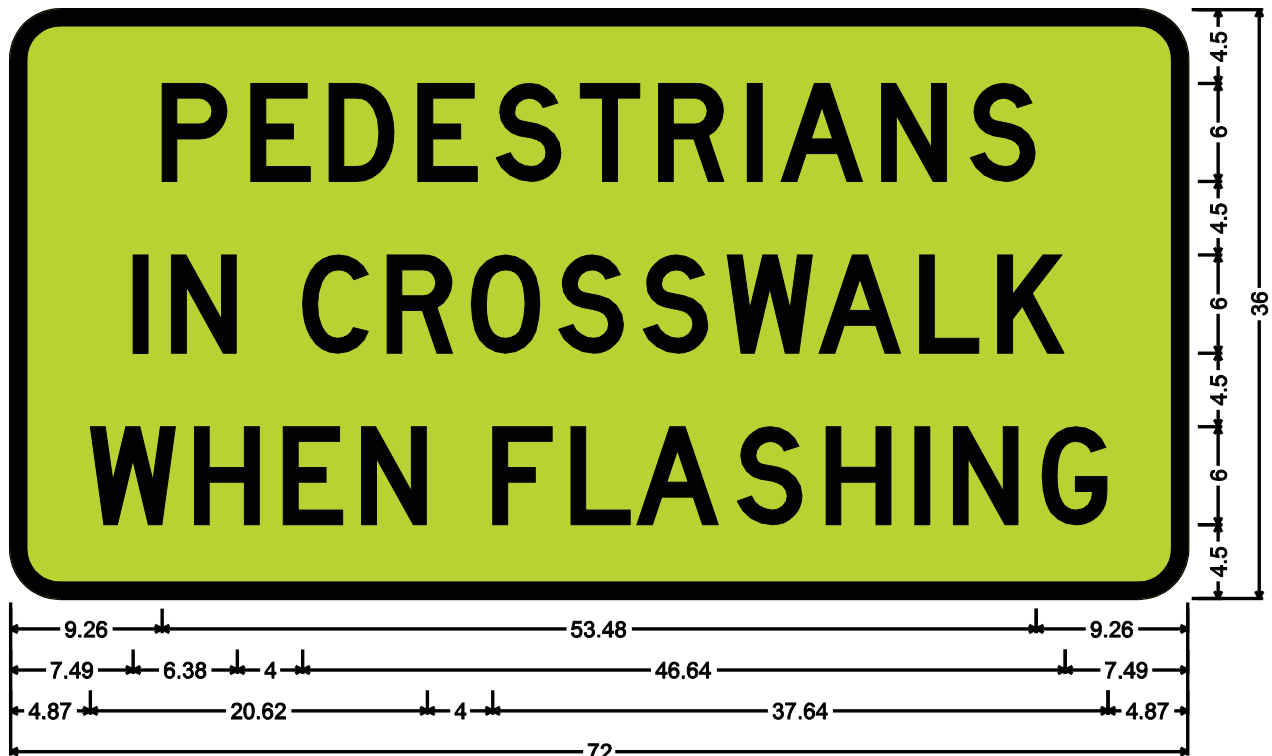
Table of distances between letter and object lefts.

4.40	E	M	E	R	G	E	N	C	Y							
4.40	4.78	6.05	4.78	5.15	5.44	4.78	5.44	4.78								
	9.06	V	E	H	I	C	L	E	S	4.40						
		5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03							
9.90	E	N	T	E	R	I	N	G	H	I	G	H	W	A	Y	9.90
	4.78	5.15	4.79	4.78	5.44	2.34	5.44	9.03	5.44	2.34	5.44	5.15	5.63	5.39	5.06	
16.37	W	H	E	N	F	L	A	S	H	I	N	G				
	6.37	5.44	4.78	9.03	4.78	4.03	6.14	5.44	5.44	2.34	5.44	4.03	16.37			



# OHW11-2.5-72

OHW11-2.5-72 may be used with flashers on the approach to a midblock crosswalk to warn of the presence of a pedestrian crossing. This sign is used when a push button is used to activate the flashers.



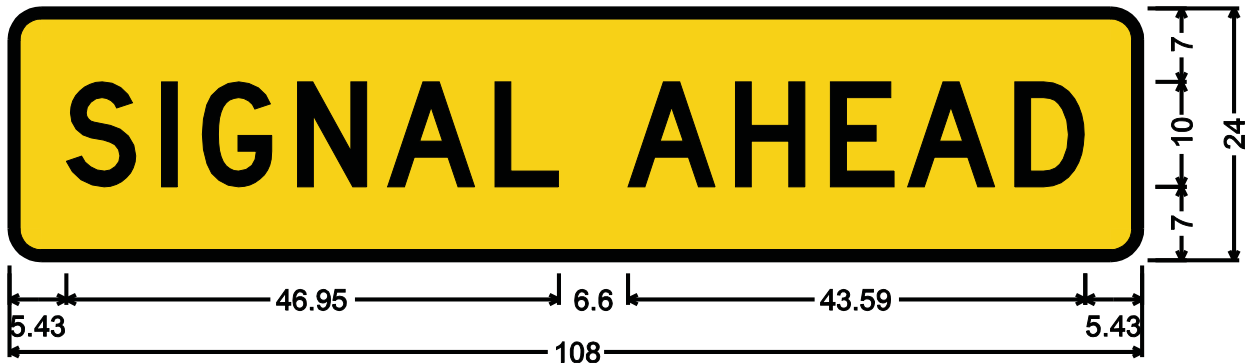
OHW11-2.5-72; 3.00" Radius, 1.00" Border, Black on Bright yellow green; [PEDESTRIANS] D; [IN] D; [CROSSWALK] D; [WHEN] D; [FLASHING] D; Table of distances between letter and object lefts.

9.26	P	E	D	E	S	T	R	I	A	N	S	9.26	
5.43	5.43	4.79	5.43	4.79	5.15	4.78	5.44	2.06	6.14	5.44	4.03	9.26	
7.49	I	N	C	R	O	S	S	W	A	L	K	7.49	
2.35	2.35	8.03	5.15	5.16	5.34	5.16	5.16	5.62	6.14	4.78	4.13	7.49	
4.87	W	H	E	N	F	L	A	S	H	I	N	G	4.87
6.37	6.37	5.44	4.78	8.03	4.78	4.03	6.14	5.44	5.44	2.34	5.44	4.03	4.87



# OHW3-3A-108

OHW3-3A-108 may be with continuously operating flashers to advise motorists approaching a traffic signal to use caution as they approach the signal.



OHW3-3A-108; 3.00" Radius, 1.00" Border, Black on Yellow;

[SIGNAL] D; [AHEAD] D;

Table of distances between letter and object lefts.

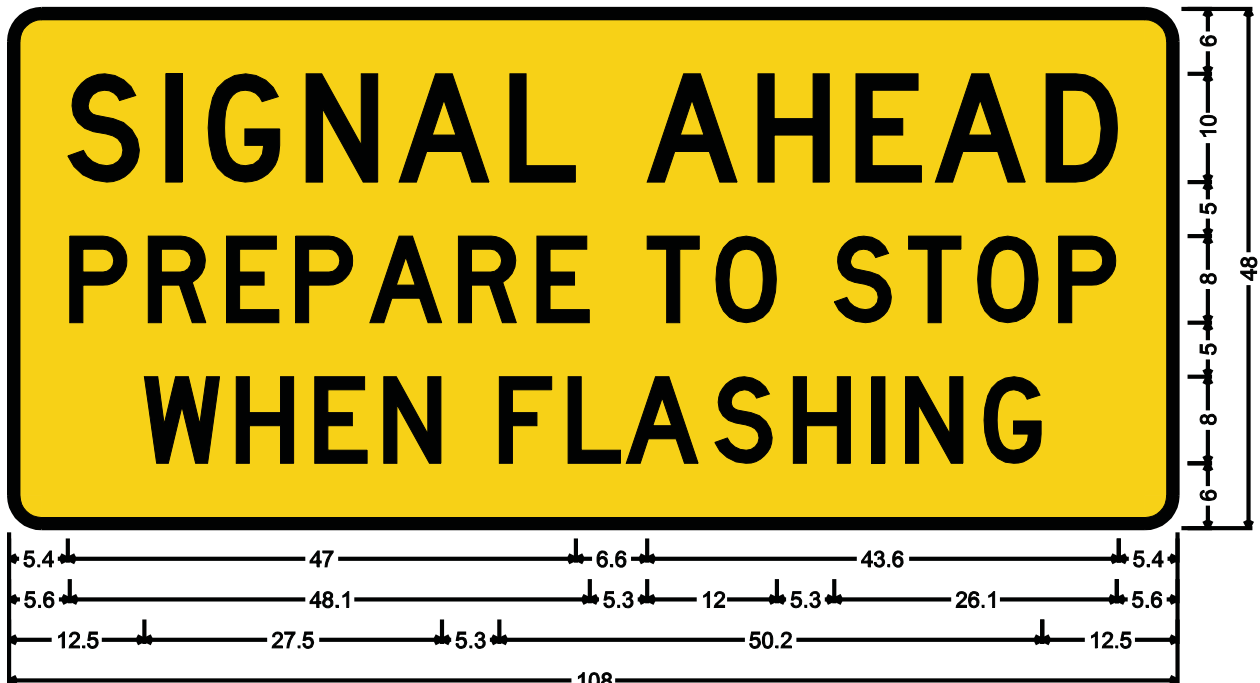
5.43	S	I	G	N	A	L	A	H	E	A	D	5.43
5.43	9.06	3.91	9.06	8.59	10.24	12.69	10.23	9.07	7.34	10.24	6.71	5.43





# OHW3-3A.5-108

OHW3-3A.5-108 may be used in advance of a traffic signal on a high speed roadway or where there is limited sight distance approaching the signal to advise motorists that the signal is changing to or in a stop condition. The flashers are activated by the traffic signal controller near the end of the main street green phase. The timings for the beginning of the flashing mode are based upon the approach speeds of the motorists.



OHW3-3A.5-108; 3.0" Radius, 1.0" Border, Black on Yellow;

[SIGNAL] D; [AHEAD] D; [PREPARE] D; [TO] D; [STOP] D; [WHEN] D; [FLASHING] D;

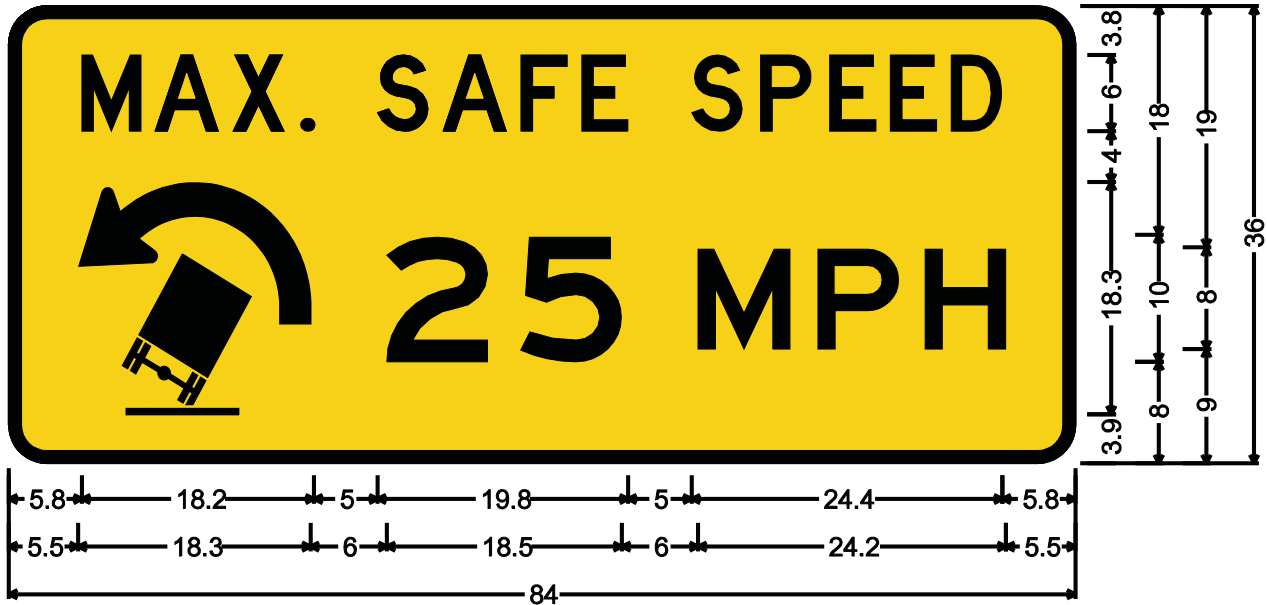
Table of distances between letter and object lefts.

	S	I	G	N	A	L	A	H	E	A	D			
5.4	9.1	3.9	9.1	8.6	10.2	12.7	10.2	9.1	7.3	10.3	6.7	5.4		
	P	R	E	P	A	R	E	T	O	S	T	O	P	
5.6	7.3	7.2	6.4	6.9	8.1	7.3	10.2	6.3	11.0	6.8	6.4	7.5	5.4	5.6
	W	H	E	N	F	L	A	S	H	I	N	G		
12.5	8.5	7.3	6.3	10.7	6.4	5.4	8.1	7.3	7.2	3.2	7.2	5.4	12.5	



# OHW1-2AL-84 & OHW1-2AR-84

OHW1-2AL-84 or OHW1-2AR-84 may be used to warn truck drivers of the maximum safe speed to prevent overturning on a ramp. This sign is typically mounted on a bridge approaching the ramp, or on an overhead sign structure.



OHW1-2AL-84

3.0" Radius, 1.0" Border, Black on Yellow;

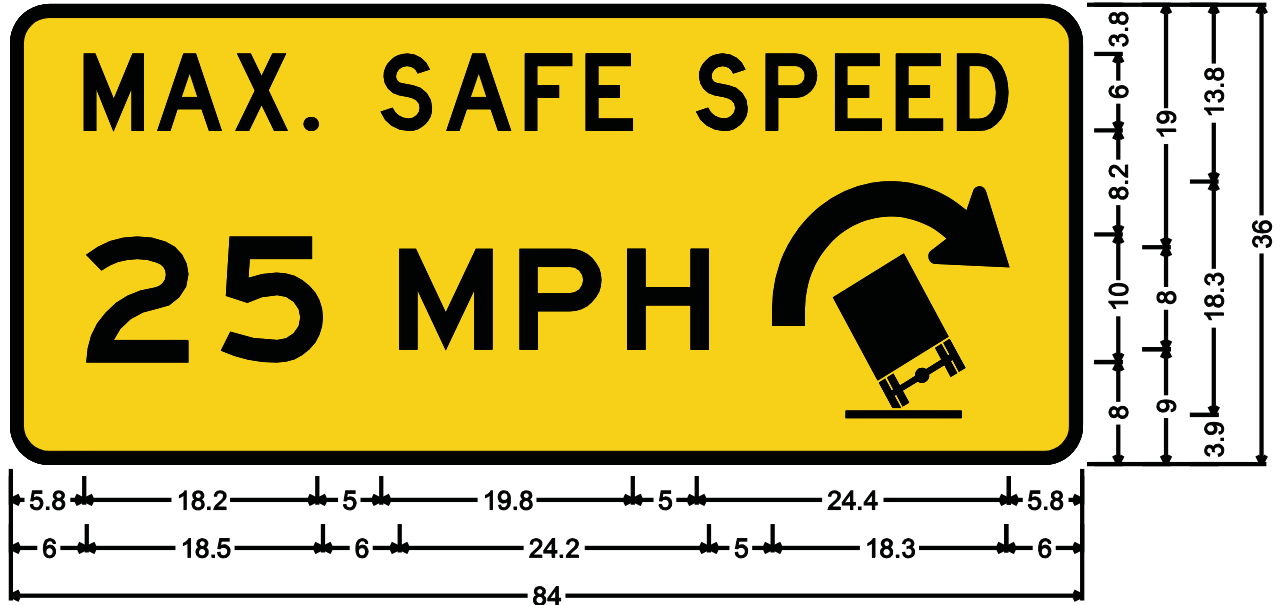
[MAX.] D; [SAFE] D; [SPEED] D; Rectangle White; [25] E; [MPH] E;

Table of distances between letter and object lefts.

	M	A	X	.	S	A	F	E	S	P	E	E	D	
5.8	5.7	6.2	5.4	5.9	5.2	6.1	4.8	8.7	5.4	5.4	4.8	4.8	4.0	5.8
5.5	■	2	5	M	P	H								
	24.3	10.5	14.0	9.4	8.5	6.3	5.5							



# OHW1-2AL-84 & OHW1-2AR-84



OHW1-2AR-84

3.0" Radius, 1.0" Border, Black on Yellow;

[MAX.] D; [SAFE] D; [SPEED] D; [25] E; [MPH] E; Rectangle White;

Table of distances between letter and object lefts.

	M	A	X	.	S	A	F	E	S	P	E	E	D	
5.8	5.7	6.2	5.4	5.9	5.2	6.1	4.8	8.7	5.4	5.4	4.8	4.8	4.0	5.8
6.0	2	5	M	P	H	■								
	10.5	14.0	9.4	8.5	11.3	18.3	6.0							

# W11-16-30

W11-16-30 may be used where the view of a plant entrance is restricted to motorists on the through highway.



W11-16-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
 [PLANT] C; [ENTRANCE] C;

Table of distances between letter and object lefts.

12.38	P	L	A	N	T	11.87				
	3.78	2.79	3.97	3.58	2.50					
6.60	E	N	T	R	A	N	C	E	6.59	
	3.34	3.58	3.34	3.58	3.97	3.79	3.58	2.50		



# W9-7A-108

The Right Lane Exit Only sign may be used when a combination acceleration/ deceleration exists between two closely spaced interchanges and the lane ends at the exit ramp.



W9-7A-108; 2.25" Radius, 1.00" Border, Black on Yellow;

[RIGHT] E; [LANE] E; [EXIT] E; [ONLY] E;

Table of distances between letter and object lefts.

8.63	R	I	G	H	T	L	A	N	E	8.63
	E	X	I	T	O	N	L	Y		
13.69	10.54	4.30	10.55	10.03	17.34	8.03	12.06	10.55	7.34	13.69
	9.40	10.66	3.78	17.34	10.86	10.55	8.03	10.00		

# W14-1.5-30

W14-1.5-30 should be used in advance of a permanent road closure as shown on the following typical.



W14-1.5-30;

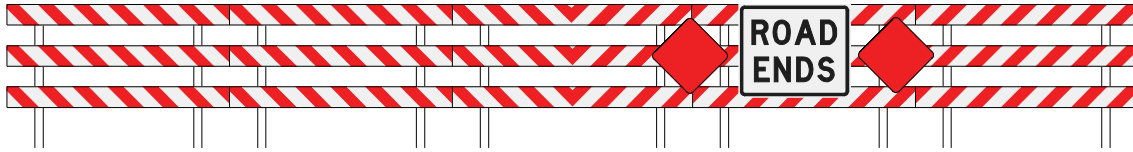
30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
 [ROAD] D; [ENDS] D;

Table of letter and object lefts.

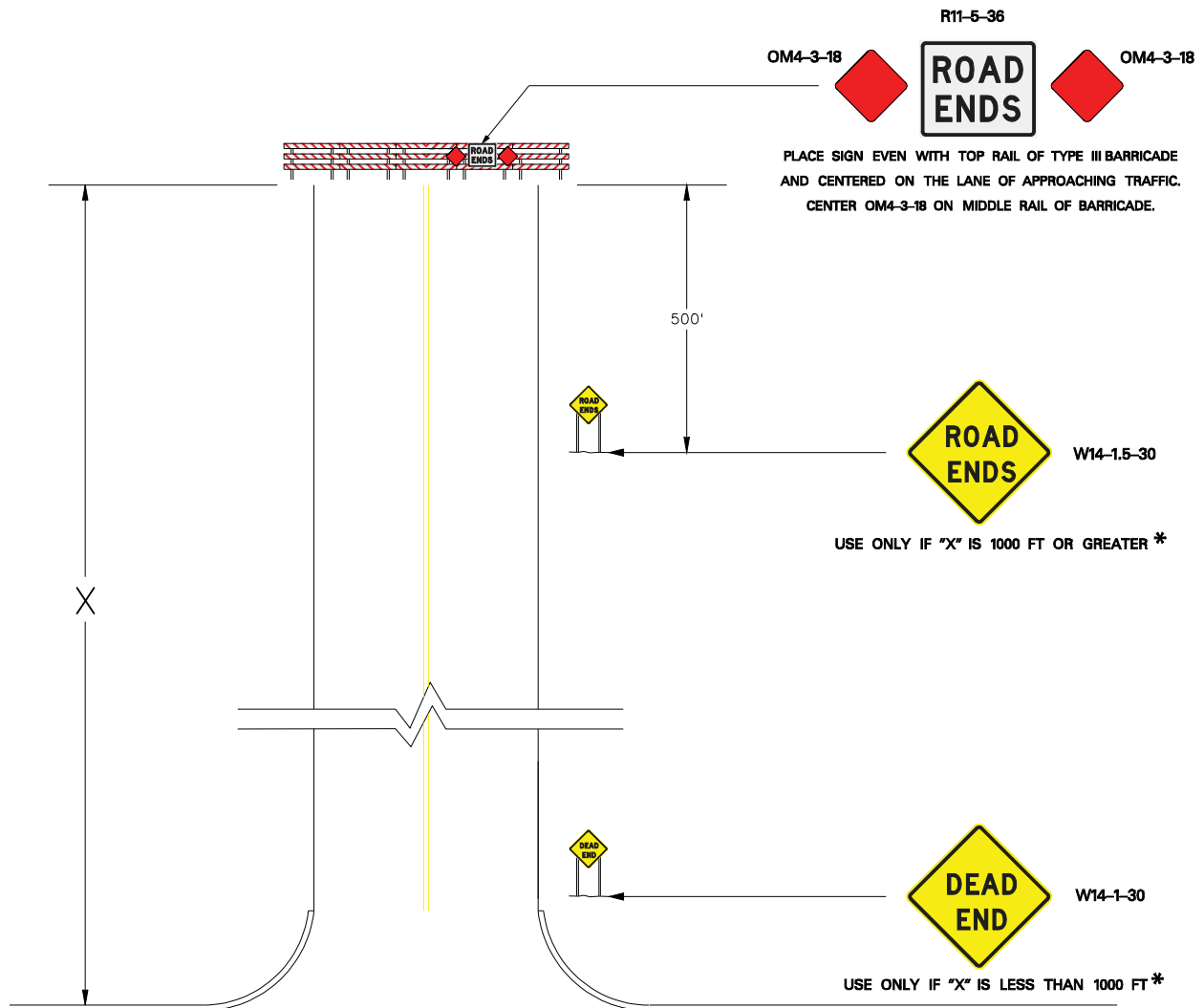
R	O	A	D
10.40	15.56	20.90	27.04
E	N	D	S
10.93	15.71	21.15	26.31

# W14-1.5-30

## SIGNS FOR PERMANENT ROAD CLOSURE



**\*\* TYPE III BARRICADE**



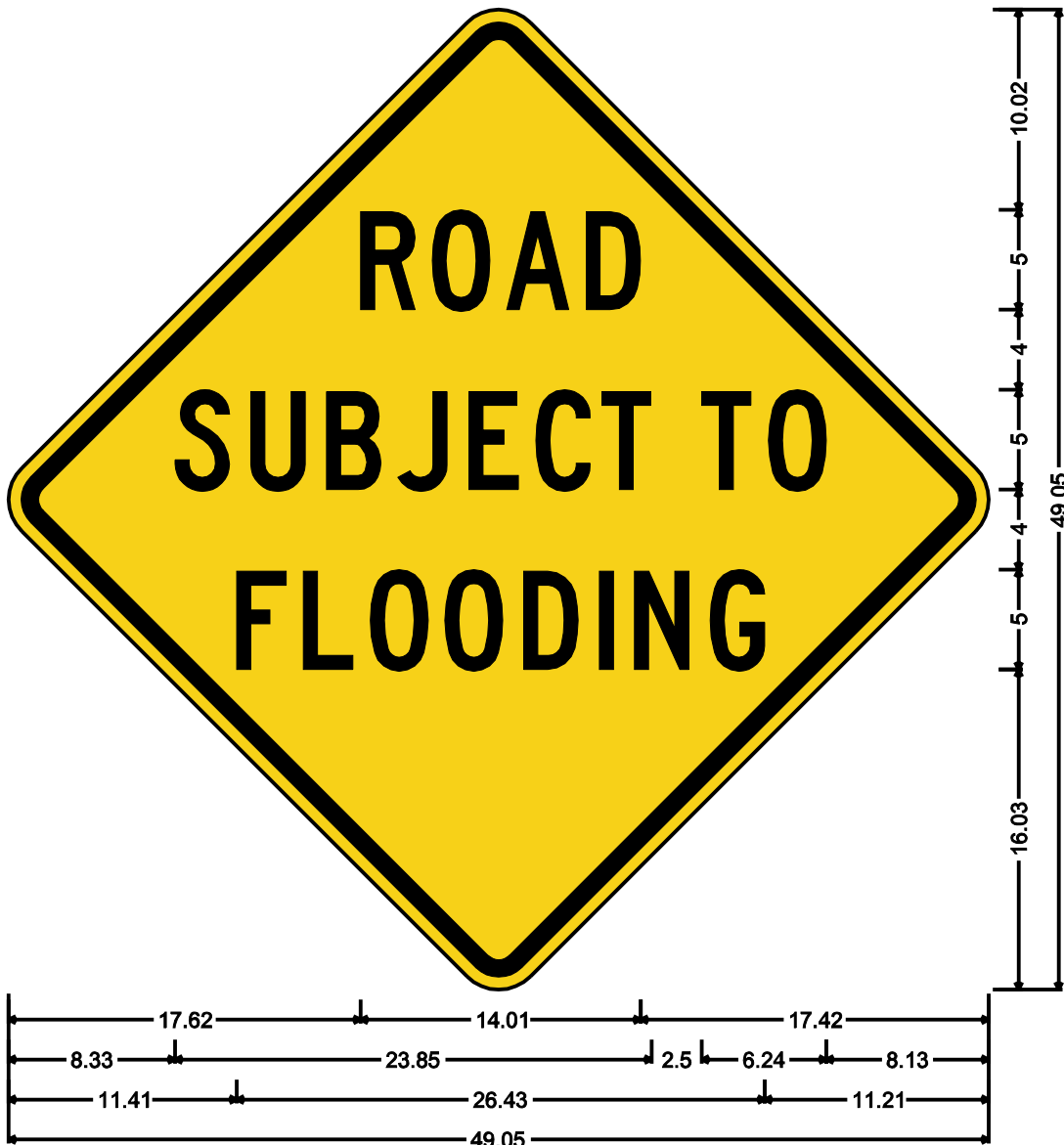
\* ONLY ONE SIGN TO BE USED BASED ON LENGTH OF ROAD

\*\* BARRICADES NOT REQUIRED WHEN 'X' IS LESS THAN 500'



# W8-19-36

In accordance with [Traffic Engineering Guideline TG-3](#), the Road Subject to Flooding sign (W8-19-36) may be used where there is a documented area of flooding during heavy rains, usually at an underpass or a low area on the roadway. All economical attempts to correct the flooding problem should be studied before using the sign.



W8-19-36; 36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow; [ROAD] C; [SUBJECT] C; [TO] C; [FLOODING] C;

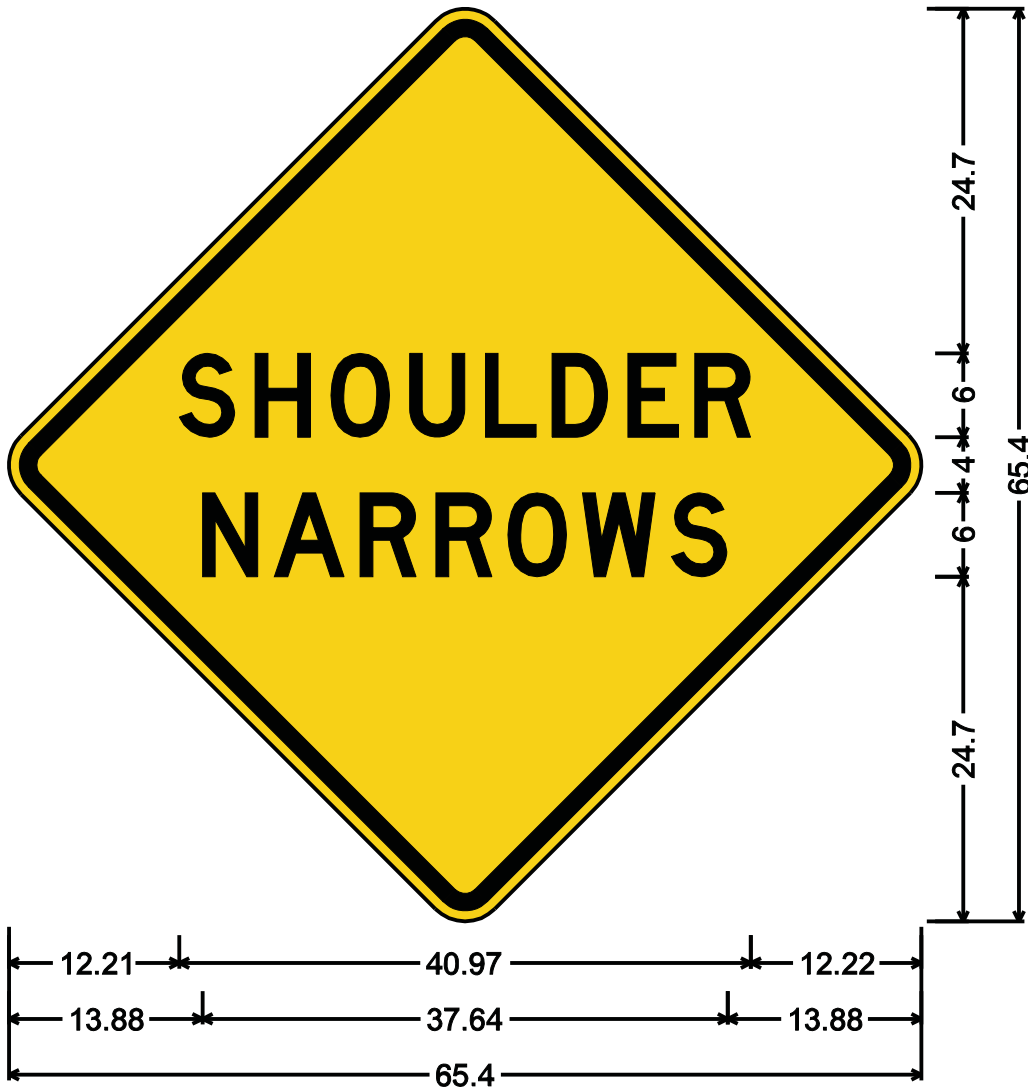
Table of distances between letter and object lefts.

17.62	R	O	A	D	17.42					
8.33	S	U	B	J	E	C	T	T	O	8.13
11.41	F	L	O	O	D	I	N	G	11.21	



# W8-41-48

A Shoulder Narrows sign may be used on the approach to a bridge when the bridge has a narrower shoulder than the prevailing roadway shoulder. The primary use of this sign is on the interstate system with paved shoulders.



W8-41-48;

48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;  
 [SHOULDER] D; [NARROWS] D;

Table of distances between letter and object lefts.

12.21	S	H	O	U	L	D	E	R	12.22
5.44	5.44	5.62	5.44	4.78	5.44	4.78	4.03		
13.88	N	A	R	R	O	W	S	13.88	
5.15	6.14	5.44	5.16	5.34	6.38	4.03			

# W8-14-30

In accordance with [Traffic Engineering Guideline TG-2](#), the Smoke Sign (W8-14-30) is intended for temporary use to warn motorists in advance of an area where reduced visibility may result from the presence of smoke from nearby forest fires, controlled burn offs or other circumstances. When used it should be erected upon notification of the potential for reduced visibility and removed when the hazardous situation has cleared.



W8-14-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[SMOKE] C;

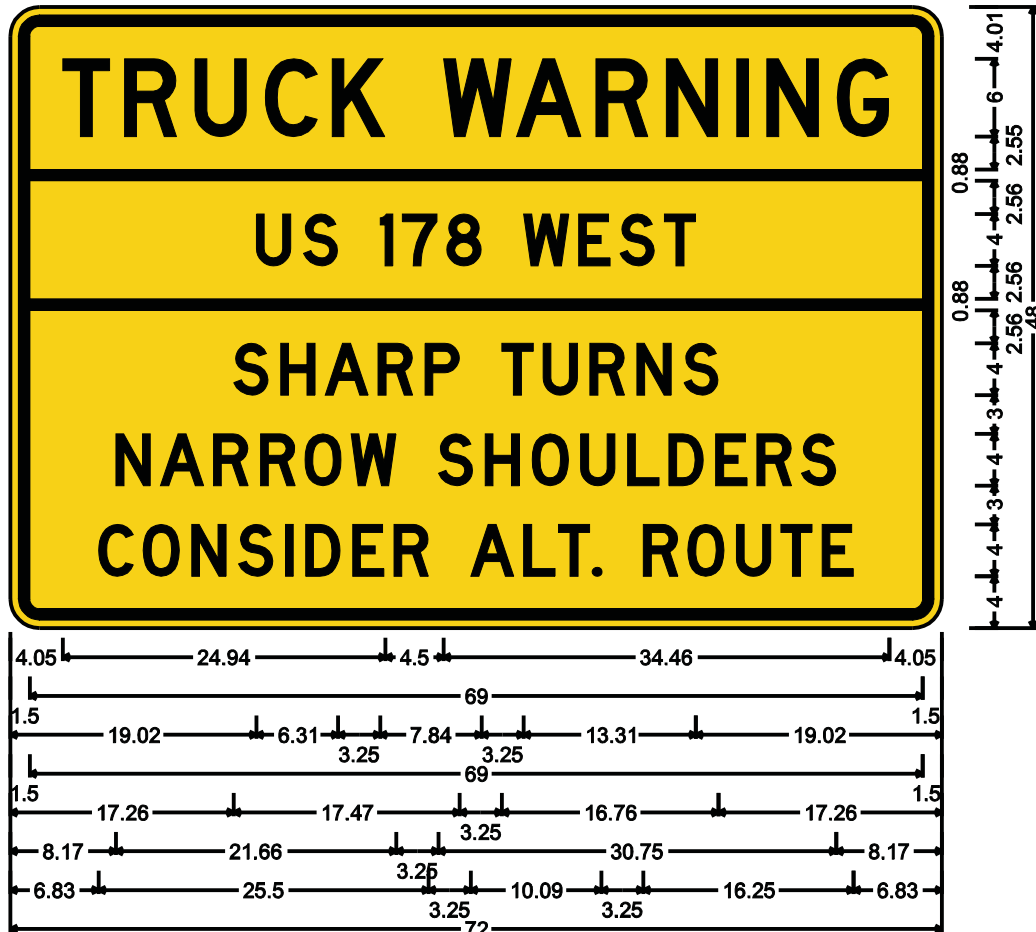
Table of distances between letter and object lefts.

5.95	S	M	O	K	E	5.95
	6.06	6.87	6.31	5.73	4.00	



# W8-40-72 & W8-40.1-72

These signs were designed for a specific route to warn truckers of special roadway conditions on US 178. If similar conditions exist on other roadways the Director of Traffic Engineering should be contacted for the wording and layouts for this type sign.

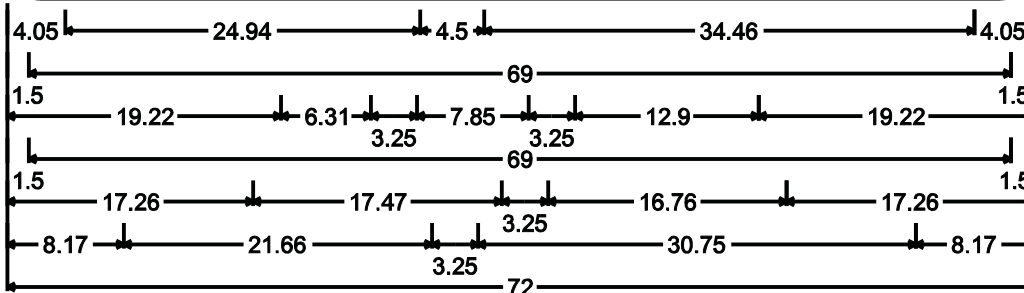
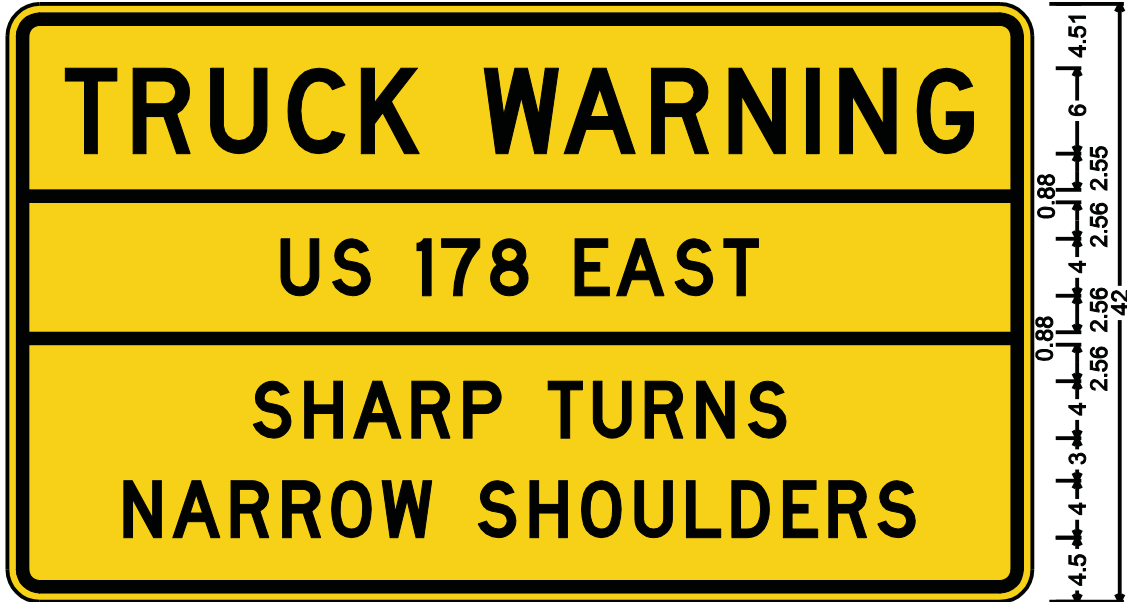


W8-40-72; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;  
 [TRUCK] D; [WARNING] D; [US] D; [178] D; [WEST] D; [SHARP] D; [TURNS] D;  
 [NARROW] D; [SHOULDERS] D; [CONSIDER] D; [ALT.] D; [ROUTE] D;  
 Table of distances between letter and object lefts.

4.05	T	R	U	C	K	W	A	R	N	I	N	G	4.05			
4.78	5.44	5.44	5.16	8.62	5.63	6.14	5.44	5.43	2.35	5.44	4.03	4.05				
1.50	69.00											1.50				
19.02	U	S	I	7	8	W	E	S	T	19.02						
3.62	5.94	1.72	3.43	5.94	4.25	3.19	3.44	2.43	19.02							
1.50	69.00											1.50				
17.26	S	H	A	R	P	T	U	R	N	S	17.26					
3.63	3.44	4.09	3.63	5.93	3.19	3.63	3.62	3.63	2.69	17.26						
8.17	N	A	R	R	O	W	S	H	O	U	L	D	E	R	S	8.17
3.44	4.09	3.63	3.44	3.56	6.75	3.62	3.63	3.75	3.62	3.19	3.63	3.18	3.44	2.69	8.17	
6.83	C	O	N	S	I	D	E	R	A	L	T	6.83				
3.43	3.76	3.62	3.63	1.56	3.62	3.19	5.94	4.09	2.69	2.69						
3.87	R	O	U	T	E	6.83										
3.44	3.75	3.44	3.19	2.43												



# W8-40-72 & W8-40.1-72



W8-40.1-72; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;  
 [TRUCK] D; [WARNING] D; [US] D; [178] D; [EAST] D; [SHARP] D; [TURNS] D;  
 [NARROW] D; [SHOULDERS] D;

Table of distances between letter and object lefts.

4.05	T	R	U	C	K	W	A	R	N	I	N	G	4.05			
	4.78	5.44	5.44	5.16	8.62	5.63	6.14	5.44	5.43	2.35	5.44	4.03				
1.50	69.00		1.50													
19.22	U	S	I	7	8	E	A	S	T							
	3.62	5.94	1.72	3.44	5.94	2.93	4.10	3.43	2.44	19.22						
1.50	69.00		1.50													
17.26	S	H	A	R	P	T	U	R	N	S						
	3.63	3.44	4.09	3.63	5.93	3.19	3.63	3.62	3.63	2.69	17.26					
8.17	N	A	R	R	O	W	S	H	O	U	L	D	E	R	S	8.17
	3.44	4.09	3.63	3.44	3.56	6.75	3.62	3.63	3.75	3.62	3.19	3.63	3.18	3.44	2.69	



# W8-18-30, W8-18-36 & W8-18-48

The Strong Winds Possible sign (W8-18-30, W8-18-36, or W8-18-48) may be used on the approaches to high-rise bridges to warn trucks, buses, and campers that high winds on the bridges could exist and could cause overturning of high profile vehicles. The size will depend on the type and speed of the roadway.



W8-18-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow; [STRONG] C; [WINDS] C; [POSSIBLE] C;

Table of distances between letter and object lefts.

12.05	S	2.86	T	2.68	R	2.86	O	3.16	N	3.03	G	2.18	12.05				
10.57	W	5.51	I	2.11	N	4.54	D	4.30	S	3.28	10.56						
10.01	P	2.86	O	2.99	S	2.86	S	3.03	I	1.41	B	3.03	L	2.67	E	2.00	10.01



# W8-18-30, W8-18-36 & W8-18-48



W8-18-36;

36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;  
[STRONG] C; [WINDS] C; [POSSIBLE] C;

Table of distances between letter and object lefts.

14.04	S	T	R	O	N	G	14.04		
	3.58	3.34	3.58	3.95	3.78	2.74			
13.01	W	I	N	D	S	13.01			
	6.43	2.46	5.30	5.01	3.83				
11.49	P	O	S	S	I	B	L	E	11.49
	3.58	3.73	3.58	3.79	1.76	3.78	3.35	2.50	



# W8-18-30, W8-18-36 & W8-18-48



W8-18-48;

48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;

[STRONG] C; [WINDS] C; [POSSIBLE] C;

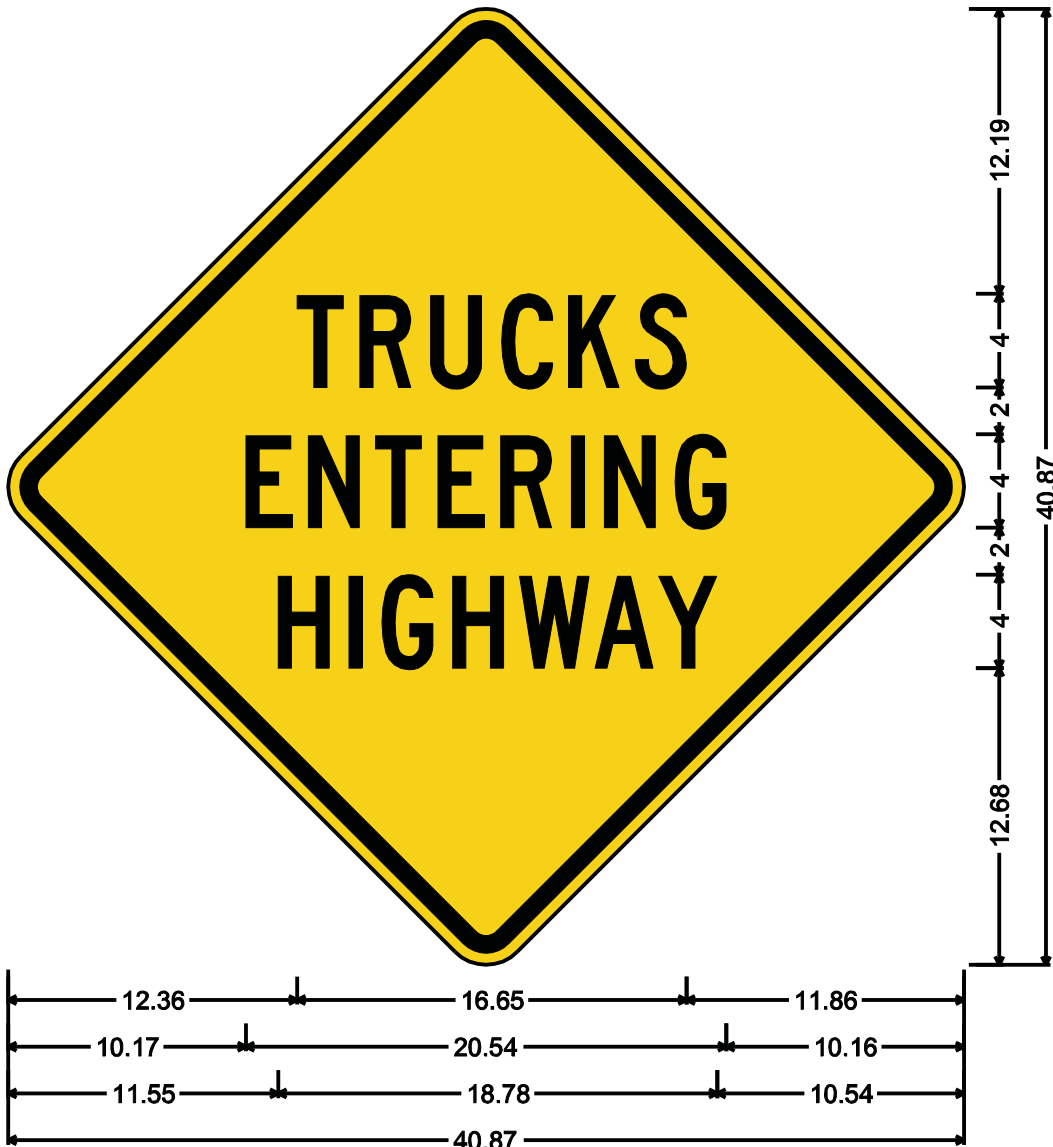
Table of distances between letter and object lefts.

20.12	S	T	R	O	N	G	20.12		
	4.29	4.02	4.29	4.73	4.55	3.28			
19.54	W	I	N	D	S	19.54			
	7.35	2.81	6.06	5.72	4.38				
17.06	P	O	S	S	I	B	L	E	17.06
	4.29	4.48	4.30	4.54	2.11	4.55	4.01	3.00	



# W11-13-30, W11-13-36 & W11-13-48

W11-13-30, W11-13-36, or W11-13-48 may be used where a significant number of trucks enter the roadway from a road or driveway or where sight distance is restricted to the driveway. A permanent sign should be used only when the trucks enter the highway on a daily basis.



W11-13-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow; [TRUCKS] C; [ENTERING] C; [HIGHWAY] C;

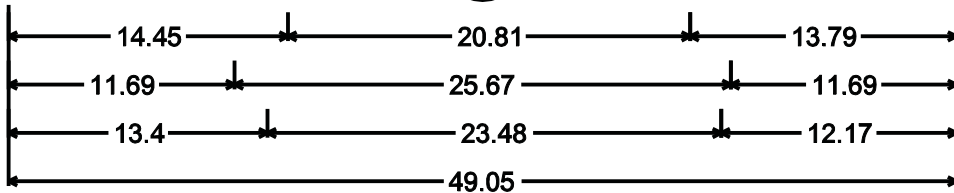
Table of distances between letter and object lefts.

12.36	T	2.68	R	3.03	U	3.03	C	2.86	K	2.86	S	2.19	11.86		
10.17	E	2.67	N	2.86	T	2.68	E	2.68	R	3.03	I	1.40	3.03	2.19	10.16
11.55	H	3.03	I	1.40	G	3.03	H	2.86	W	3.23	A	2.73	2.50	10.54	





# W11-13-30, W11-13-36 & W11-13-48



W11-13-36;

36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Yellow;  
[TRUCKS] C; [ENTERING] C; [HIGHWAY] C;

Table of distances between letter and object lefts.

14.45	T	R	U	C	K	S			
	3.35	3.79	3.78	3.58	3.58	2.73	13.79		
11.69	E	N	T	E	R	I	N	G	
	3.34	3.58	3.34	3.35	3.78	1.76	3.79	2.73	11.69
13.40	H	I	G	H	W	A	Y		
	3.79	1.75	3.79	3.58	4.03	3.41	3.13	12.17	



# W11-13-30, W11-13-36 & W11-13-48



W11-13-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;  
 [TRUCKS] C; [ENTERING] C; [HIGHWAY] C;  
 Table of distances between letter and object lefts.

18.51	T	R	U	C	K	S		17.76	
4.68		5.30	5.30	5.01	5.01	3.83			
14.72	E	N	T	E	R	I	N	G	14.73
4.69		5.01	4.68	4.68	5.30	2.46	5.30	3.83	
17.02	H	I	G	H	W	A	Y	15.52	
5.30		2.46	5.30	5.01	5.64	4.78	4.37		

# W11-22-30

The Tunnel sign may be used on the approach to an underpass when motorists cannot see from one side of the underpass to the other.



## W11-22-30

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;  
[TUNNEL] C;

Table of distances between letter and object lefts.

T	U	N	N	E	L	
8.10	4.02	4.54	4.55	4.54	4.01	3.00
						8.11

# W8-15-30

In accordance with [Traffic Engineering Guideline TG-3](#), the Water on Road sign (W8-15-30) is intended for temporary use to warn motorists in advance of a section of road where water is standing or flowing on the roadway but the roadway remains passable. When used the sign should be erected as soon as the problem is known to exist and removed as soon as the water subsides. If the road is impassable, this sign should not be used and the road should be closed.



W8-15-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[WATER] C; [ON] C; [ROAD] C;

Table of distances between letter and object lefts.

10.32	W	A	T	E	R	10.31	
	4.84	4.09	4.01	4.01	3.29		
10.81	O	N	R	O	A	D	10.81
	3.15	4.89	2.86	2.99	3.18	2.18	

# *Chapter Two*

## **MUTCD Guide Signs**

### **Section 2D.01 Scope of Conventional Road Guide Sign Standards**

The MUTCD states that “The provisions of this Chapter shall apply to any road or street other than low-volume roads (as defined in Section 5A.01), expressways, and freeways.” SCDOT applies these standards to all roads, other than expressways or freeways, regardless of volume.

### **Section 2D.11 Design of Route Signs**

The MUTCD provides the option of placing the state name on Interstate Route signs (M1-1). SCDOT will include the state name on Interstate shields when used in a sign assembly.

### **Section 2D.16 Auxiliary Signs for Alternative Routes (M4 Series)**

Section 2D.16 figure 2D-4 of the MUTCD describes several auxiliary signs for use for alternate routes. SCDOT does not officially designate any route as a by-pass. Therefore, M4-2 should not be used.

### **Section 2D.43 Street Name Signs (D3-1 or D3-1a)**

Street name signing in South Carolina is the responsibility of local governments. The signs should conform to the requirements of the MUTCD. [Traffic Engineering Guidelines TG-1](#) details the requirements for overhead street name signs where used.

### **Section 2D.55 National Scenic Byways Signs (D6-4 and D6-4a)**

South Carolina has four National Scenic Byways: Ashley River Road, the Cherokee Foothills Scenic Highway, the Edisto Island National Scenic Byway, and the Savannah River Scenic Byway. Special signs have been designed for the Cherokee Foothills Scenic Highway and the Savannah River Scenic Byway and these layouts can be found in [SCDOT Special Guide Signs, Engineering Directive Memorandum 7](#) details the Department’s policy concerning state and local scenic byways.

### **Section 2E.01 Guide Signs – Freeways and Expressways**

SCDOT complies with the requirements of the MUTCD concerning the design and placement of Freeway and Expressway guide signs. In order to maintain consistency statewide, the design of these interstate type signs is coordinated through the Director of Traffic Engineering. Any requests to modify interstate type signs should be coordinated with the Director of Traffic Engineering.

### **Section 2I.01 General Service Signs**

The MUTCD describes the General Service sign requirements if used. SCDOT has adopted a policy for Specific Service Signing (LOGO) and does not use General Service Signs on controlled access facilities with the exception of Hospital, Rest Area, Tourist Information, and Welcome Center signing.

### **Section 2J.01 Specific Service Signing**

SCDOT has adopted a Specific Service Signing (LOGO) program. This program is administered by the Director of Traffic Engineering. Details of the program are available on the SCDOT website under the category of [Traffic Information](#).

### **Section 2K.01 Tourist-Oriented Directional Signs (TODS)**

Chapter 2K of the MUTCD describes the use of Tourist-Oriented Directional Signs when a state adopts this type program. Contact the Director of Traffic Engineering for details on SCDOT's TODS program.

### **Section 2N.03 Evacuation Route Signs (EM-1 and EM-1a)**

SCDOT has adopted a modified version of the hurricane evacuation route signing. The layout for this sign is included in [SCDOT Special Guide Signs](#).



# D9-40-30

The assisted services sign may be used at Welcome Centers or Rest Areas where a special restroom is available for special needs patrons.



D9-40-30; 1.500" Radius, 0.500" Border, White on Blue;  
 [ASSISTED] D; [SERVICES] D; [RESTROOM] D; [RING] D; [FOR] D;  
 [ACCOMMODATIONS] D;

Table of distances between letter and object lefts.

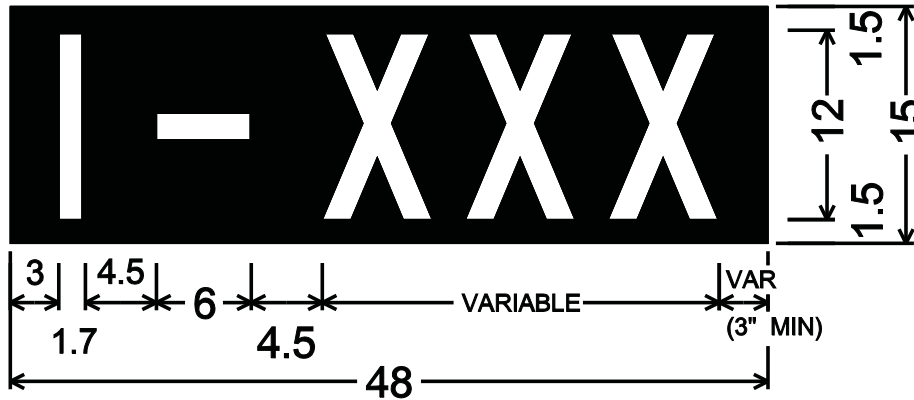
8.695	A	S	S	I	S	T	E	D	8.695						
	2.047	1.719	1.812	0.782	1.719	1.593	1.594	1.344							
8.781	S	E	R	V	I	C	E	S	8.781						
	1.813	1.594	1.718	1.875	0.782	1.718	1.594	1.344							
8.180	R	E	S	T	R	O	O	M	8.180						
	1.812	1.594	1.719	1.593	1.719	1.781	1.876	1.546							
0.500	29.000		0.500												
8.468	R	I	N	G	F	O	R	8.468							
	1.813	0.782	1.812	3.844	1.594	1.875	1.344								
2.906	A	C	C	O	M	M	O	D	A	T	I	O	N	S	2.906
	2.047	1.718	1.719	1.875	2.016	2.016	1.875	1.719	1.797	1.593	0.782	1.875	1.812	1.344	



## Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84

The OHB M1 series of signs are used on bridges crossing the interstate to identify the crossing route. The sign should be located left of the clearance sign, with a minimum spacing of 8 feet between the route number sign and the left of the clearance sign.



OHB M1-1-48

No border, White on Black;

[I] C; [-] C; [XXX] C;

Table of distances between letter and object lefts

	I	-	X	X	X	
3.0	6.2	10.5	9.0*	9.1*	7.0*	3.2*

\* SPACING WILL VARY BASED ON NUMBERS USED

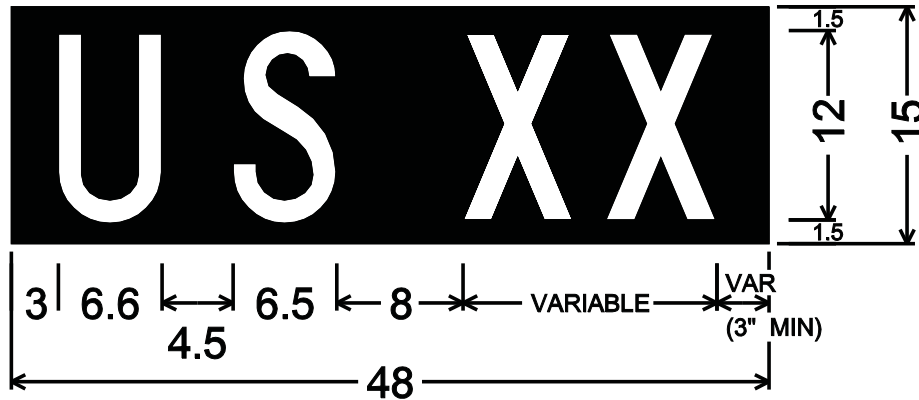




Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84

---



OHB M1-4-48

No border, White on Black;

[U] C; [S] C; [XX] C;

Table of distances between letter and object lefts.

	U	S	X	X	
3.0	11.1	14.5	9.1*	7.0*	3.3*

\* SPACING WILL VARY BASED ON NUMBERS USED.

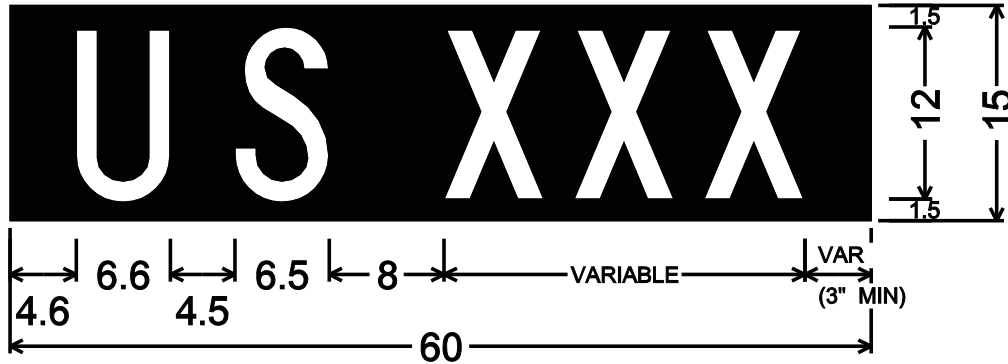




Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84

---



OHB M1-4-60

No border, White on Black;

[U] C; [S] C; [XXX] C;

Table of distances between letter and object lefts.

	U	S	X	X	X	
4.6	11.1	14.5	9.1*	9.1*	7.0*	4.6*

\* SPACING WILL VARY BASED ON NUMBERS USED.

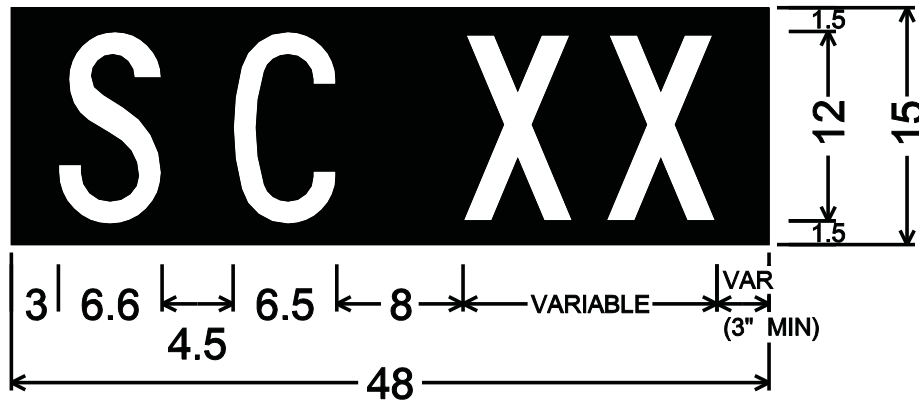
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Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84

---



OHB M1-5-48

No border, White on Black;

[S] C; [C] C; [XX] C;

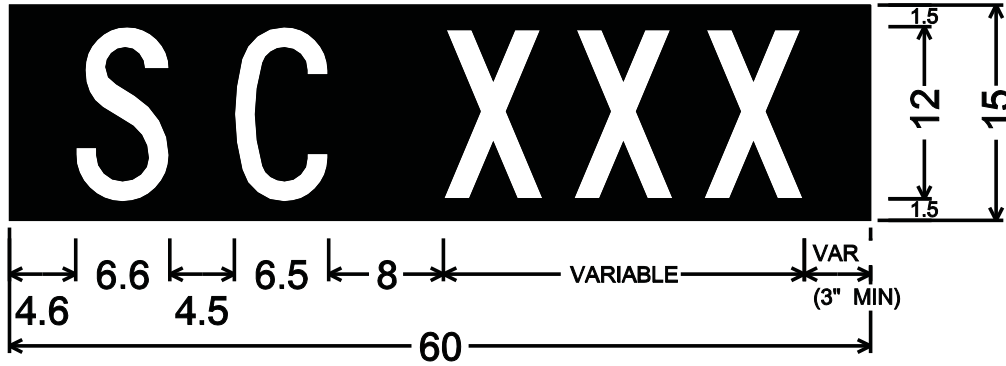
Table of distances between letter and object lefts.

	S	C	X	X	
3.0	11.1	14.5	9.1*	7.0*	3.3*



Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84



OHB M1-5-60

No border, White on Black;

[S] C; [C] C; [XXX] C;

Table of distances between letter and object lefts.

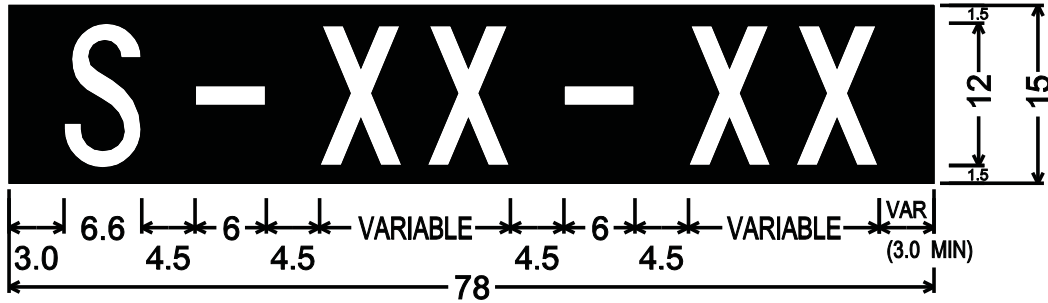
	S	C	X	X	X	
4.6	11.1	14.5	9.1*	9.1*	7.0*	4.6*

\* SPACING WILL VARY BASED ON NUMBERS USED.



# Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84



OHB M1-6-78

No border, White on Black;

[S] C; [-] C; [XX] C; [-] C; [XX] C;

Table of distances between letter and object lefts.

	S	-	X	X	-	X	X	
3.0	11.1	10.5	9.1*	11.5*	10.5	9.0*	7.1*	6.3*

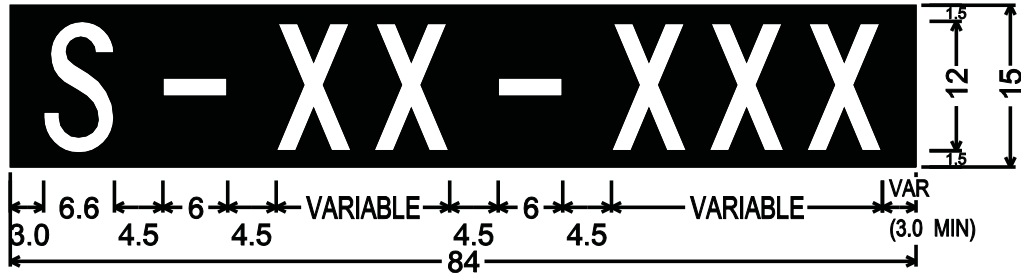
\* DIMENSIONS WILL VARY BASED ON NUMBERS USED.



# Guide Signs — Bridge Route Numbers

OHB M1-1-48, OHB M1-4-48, OHB M1-4-60, OHB M1-5-48, OHB M1-5-60, OHB M1-6-78 & OHB M1-6-84

---



OHB M1-6-84

No border, White on Black;

[S] C; [-] C; [XX] C; [-] C; [XXX] C;

Table of distances between letter and object lefts.

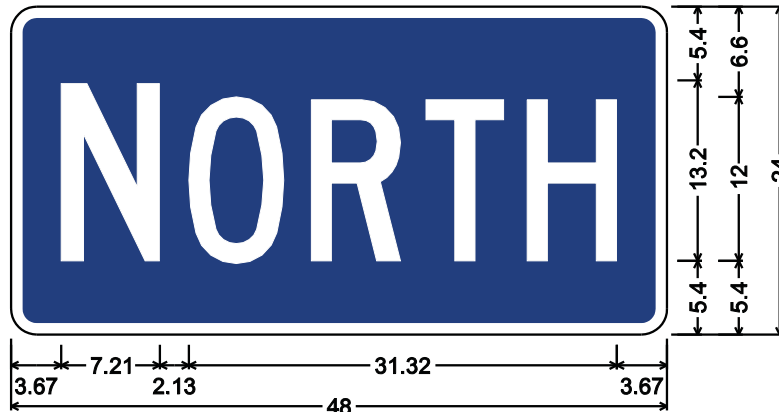
3.0	S	-	X	X	-	X	X	X	3.2*
	11.1	10.5	9.0*	11.6*	10.5	9.0*	9.1*	7.0*	

\* DIMENSIONS WILL VARY BASED ON NUMBERS USED.



## M3-1-48, M3-2-48, M3-3-48 & M3-4-48

The Standard Highway Sign Manual has two sizes of Cardinal Directive Markers, 24" x 12" and 30" x 15". SCDOT has added an additional size, 48" x 24", for use with larger route number signs. M3-1-48 (north), M3-2-48 (east), M3-3-48 (south), and M3-4-48 (west) each in blue, green and white are to be used with M1 series route markers 48" or larger.



M3-1-48-B; 1.88" Radius, 0.75" Border, White on Blue;

[NORTH] C 80% spacing;

Table of distances between letter and object lefts.

	N	O	R	T	H	
3.67	9.34	8.96	8.18	7.62	6.56	3.67



M3-1-48-G; 1.88" Radius, 0.75" Border, White on Green;

[NORTH] C 80% spacing;

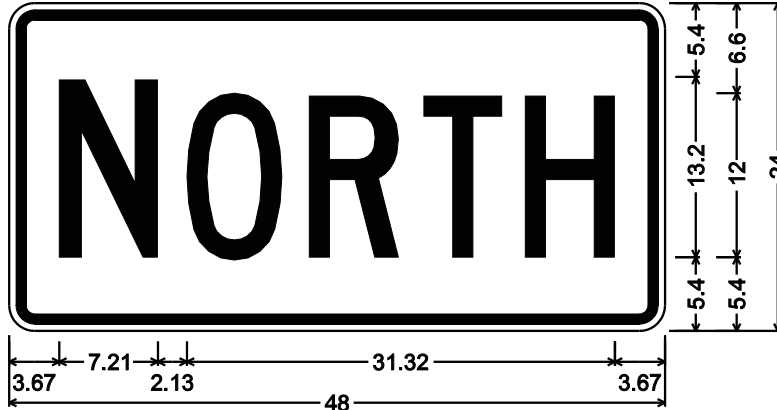
Table of distances between letter and object lefts.

	N	O	R	T	H	
3.67	9.34	8.96	8.18	7.62	6.56	3.67



# M3-1-48, M3-2-48, M3-3-48 & M3-4-48

---



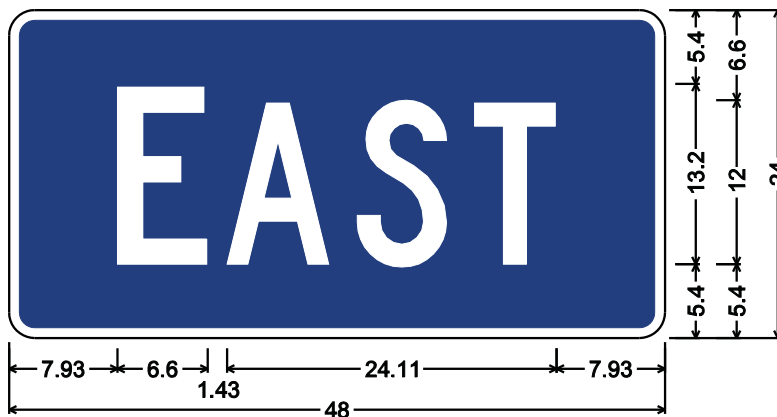
M3-1-48-W;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[NORTH] C 80% spacing;

Table of distances between letter and object lefts.

	N	O	R	T	H	
3.67	9.34	8.96	8.18	7.62	6.56	3.67



M3-2-48-B; 1.88" Radius, 0.75" Border, White on Blue;

[EAST] C;

Table of distances between letter and object lefts.

	E	A	S	T	
7.93	8.03	9.52	8.59	6.00	7.93



M3-1-48, M3-2-48, M3-3-48 & M3-4-48

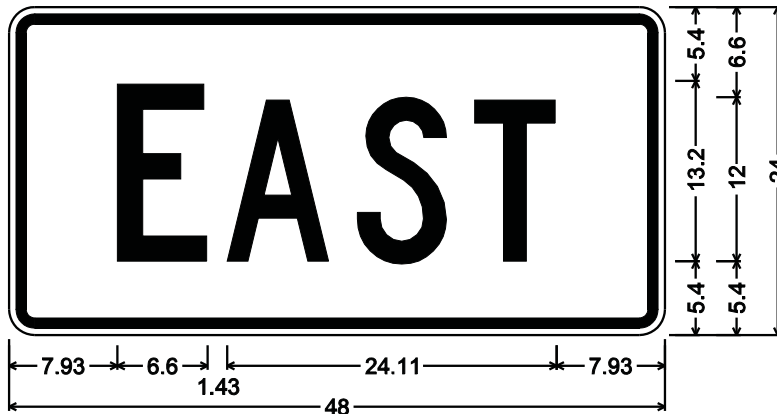
---



M3-2-48-G; 1.88" Radius, 0.75" Border, White on Green;  
[EAST] C;

Table of distances between letter and object lefts.

	E	A	S	T	
7.93	8.03	9.52	8.59	6.00	7.93



M3-2-48-W;  
1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;  
[EAST] C;

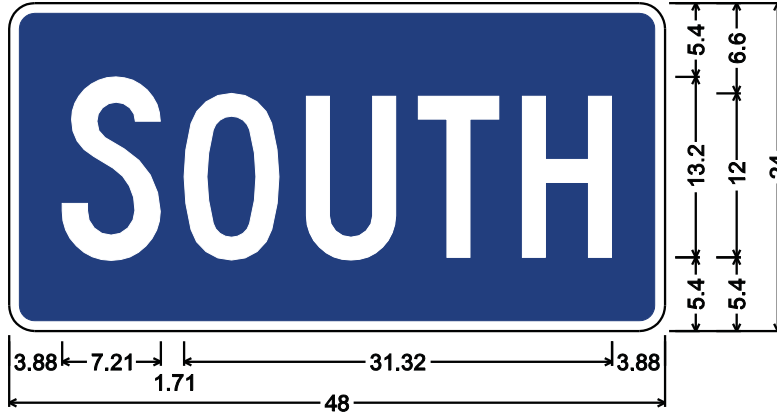
Table of distances between letter and object lefts.

	E	A	S	T	
7.93	8.03	9.52	8.59	6.00	7.93

---

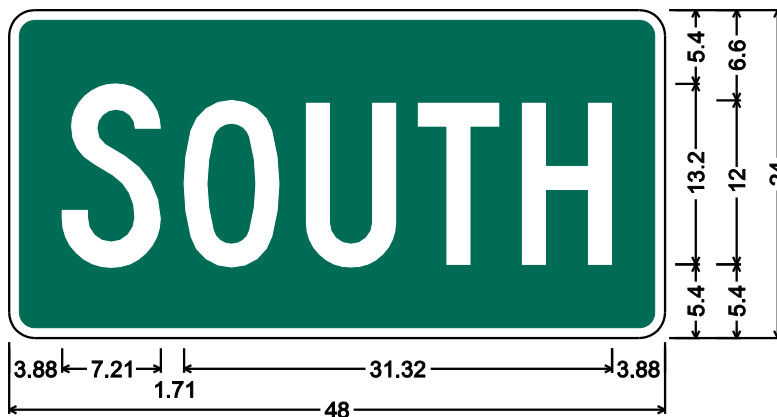
M3-1-48, M3-2-48, M3-3-48 & M3-4-48

---



M3-3-48-B; 1.88" Radius, 0.75" Border, White on Blue;  
 [SOUTH] C 80% spacing;  
 Table of distances between letter and object lefts.

	S	O	U	T	H	
3.88	8.92	8.96	8.18	7.62	6.56	3.88



M3-3-48-G; 1.88" Radius, 0.75" Border, White on Green;  
 [SOUTH] C 80% spacing;  
 Table of distances between letter and object lefts.

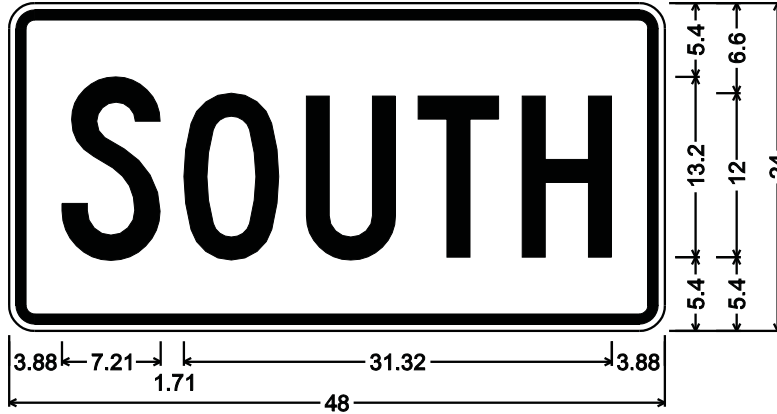
	S	O	U	T	H	
3.88	8.92	8.96	8.18	7.62	6.56	3.88

---



M3-1-48, M3-2-48, M3-3-48 & M3-4-48

---



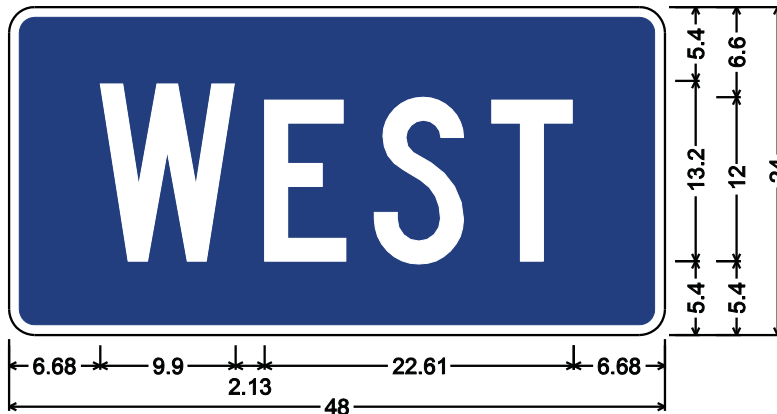
M3-3-48-W;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[SOUTH] C 80% spacing;

Table of distances between letter and object lefts.

	S	O	U	T	H	
3.88	8.92	8.96	8.18	7.62	6.56	3.88



M3-4-48-B; 1.88" Radius, 0.75" Border, White on Blue;

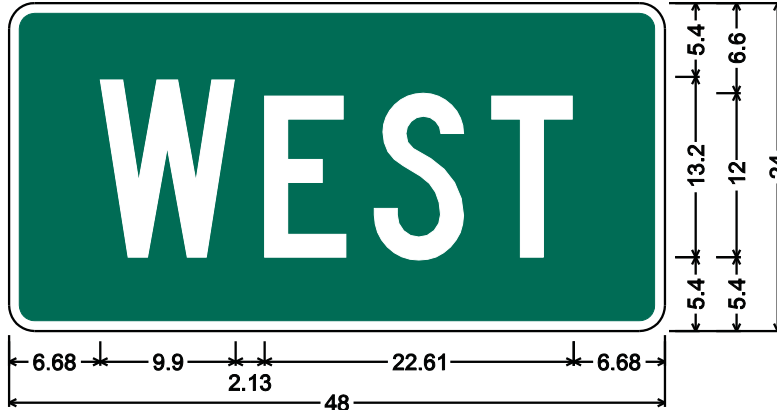
[WEST] C;

Table of distances between letter and object lefts.

	W	E	S	T	
6.68	12.03	8.02	8.59	6.00	6.68

M3-1-48, M3-2-48, M3-3-48 & M3-4-48

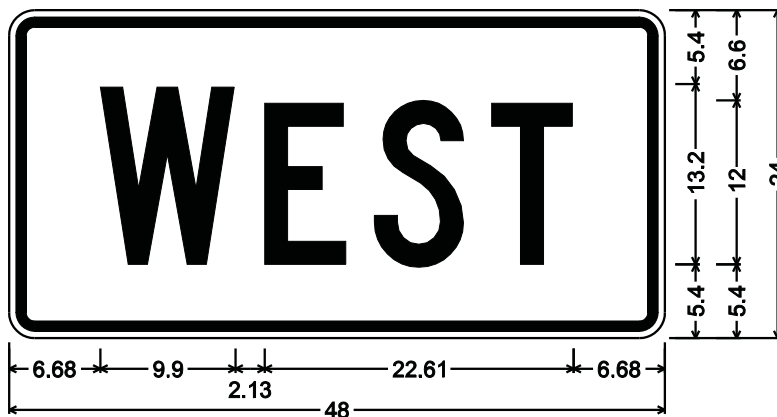
---



M3-4-48-G; 1.88" Radius, 0.75" Border, White on Green;  
[WEST] C;

Table of distances between letter and object lefts.

	<b>W</b>	<b>E</b>	<b>S</b>	<b>T</b>	
6.68	12.03	8.02	8.59	6.00	6.68



M3-4-48-W;  
1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;  
[WEST] C;

Table of distances between letter and object lefts.

	<b>W</b>	<b>E</b>	<b>S</b>	<b>T</b>	
6.68	12.03	8.02	8.59	6.00	6.68

---



# M1-20-15, M1-20-24 & M1-20-36

The Cherokee Foothills Scenic Highway is a nationally designated scenic route. M1-20-15, M1-20-24, or M1-20-36 are the official signs to designate this route. The size will be determined by the District Traffic Engineer according to its use.



M1-20-15; 1.50" Radius, 0.50" Border, White on Brown;  
 INDIAN; [CHEROKEE] B; [FOOTHILLS] B; [SCENIC] B;  
 [HIGHWAY] B;

Table of distances between letter and object lefts.

3.58	7.84	3.58												
2.60	C	H	E	R	O	K	E							
	0.57	0.61	0.52	0.58	0.64	0.58	0.53							
		F	O	O	T	H	I	L	L	S				
		1.12	0.53	0.60	0.60	0.53	0.61	0.31	0.52	0.53	0.42	2.60		
3.68	S	C	E	N	I	C								
	0.57	0.57	0.52	0.61	0.31									
		H	I	G	H	W	A	Y						
		1.18	0.60	0.32	0.60	0.58	0.67	0.58	0.53	3.68				




# M1-20-15, M1-20-24 & M1-20-36



M1-20-24; 1.50" Radius, 0.63" Border, White on Brown;  
 INDIAN; [CHEROKEE] B; [FOOTHILLS] B; [SCENIC] B;  
 [HIGHWAY] B;

Table of distances between letter and object lefts.

5.90		12.20	5.90																
2.20	C	H	E	R	O	K	E	E											
		F	O	O	T	H	I	L	L	S									
4.35	S	C	E	N	I	C	H	I	G	H	W	A	Y						



M1-20-15, M1-20-24 & M1-20-36



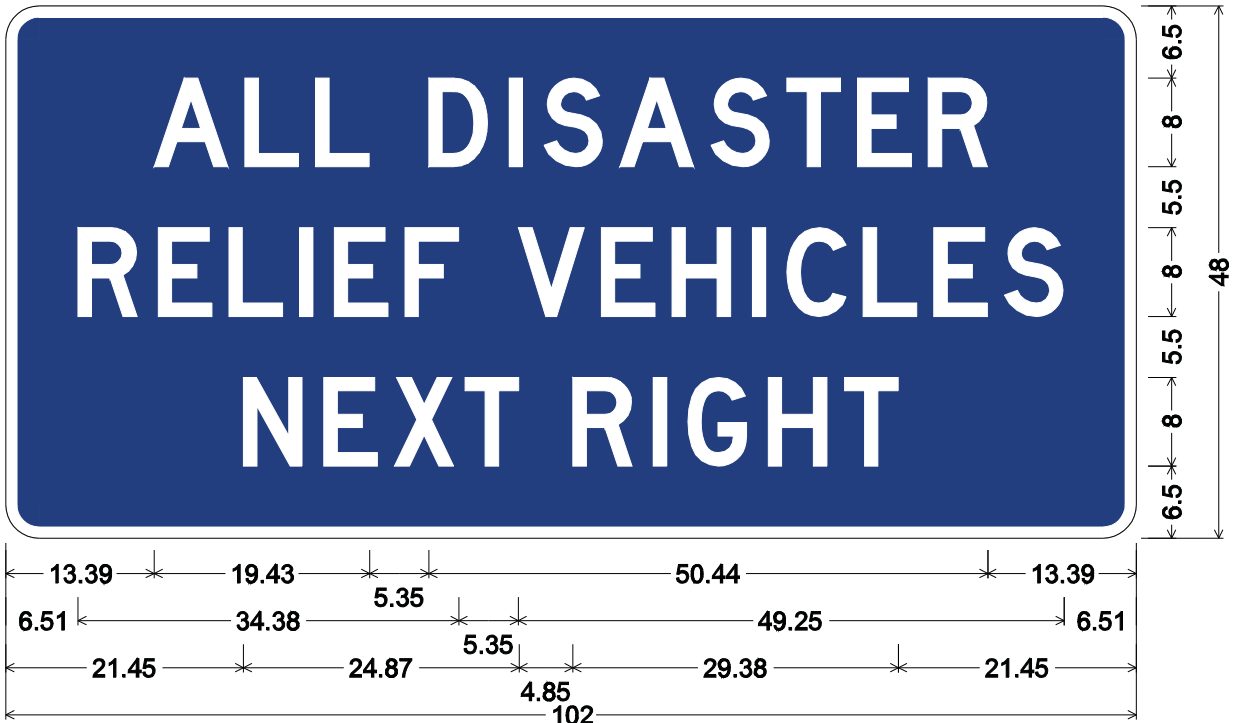
M1-20-36; 2.25" Radius, 0.88" Border, White on Brown;  
 INDIAN; [CHEROKEE] B; [FOOTHILL] B; [SCENIC] B; [HIGHWAY] B;  
 Table of distances between letter and object lefts.

9.29	▲	9.29													
4.16	C	H	E	R	O	K	E	E							
	1.71	1.83	1.57	1.72	1.91	1.77	1.57								
		F	O	O	T	H	I	L	L	4.16					
		3.38	1.57	1.81	1.81	1.58	1.82	0.93	1.58	1.12					
6.53	S	C	E	N	I	C	H	I	G	H	W	A	Y	6.53	
	1.71	1.72	1.58	1.82	0.93	3.52	1.82	0.94	1.82	1.72	2.02	1.75	1.59		



# EM-20A-102 & EM-20B-90

In the event of a major disaster, Welcome Centers or Rest Areas may be designated as staging areas for outside disaster relief vehicles. EM-20A-102 is used in advance of the exit for the staging area, and EM-20B-90 provides specific directions to the staging area.



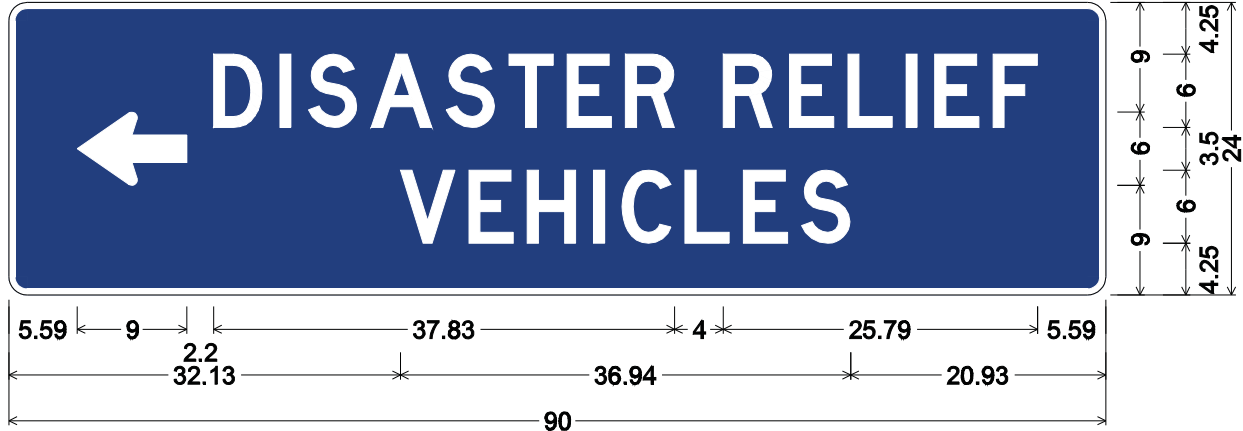
EM-20A-102; 3.00" Radius, 1.00" Border, White on Blue;  
 [ALL] D; [DISASTER] D; [RELIEF] D; [VEHICLES] D; [NEXT] D; [RIGHT] D;  
 Table of distances between letter and object lefts.

13.39	A	L	L	D	I	S	A	S	T	E	R	13.39			
8.18	6.38	10.22	7.25	3.13	6.88	8.18	6.88	6.37	6.38	5.37					
6.51	R	E	L	I	E	F	V	E	H	I	C	L	E	S	6.51
7.25	6.38	6.37	3.13	6.37	10.23	7.50	6.37	7.25	3.13	6.87	6.38	6.37	5.38		
21.45	N	E	X	T	R	I	G	H	T						
7.25	6.37	6.38	9.72	7.25	3.13	7.25	6.88	4.87	21.45						





# EM-20A-102 & EM-20B-90



EM-20B-90; 1.50" Radius, 0.50" Border, White on Blue;  
 Standard Arrow Custom 9.00" X 6.00" 180°; [DISASTER] D; [RELIEF] D;  
 [VEHICLES] D;

Table of distances between letter and object lefts.

5.59	←	D	I	S	A	S	T	E	R	R	E	L	I	E	F	5.59
	V	E	H	I	C	L	E	S								
32.13	5.63	4.78	5.44	2.34	5.16	4.78	4.78	4.03	20.93							





## M1-23.1-24 & M1-23.2-24

SCDOT, in cooperation with the South Carolina Parks, Recreation and Tourism has established a system of Heritage Corridor Routes. The routes were established by Parks, Recreation and Tourism and the signing was provided by SCDOT. There are two general Heritage Corridor Routes, the Discovery Route (M1-23.1-24) and the Nature Route (M1-23.2-24). Any requests for changes to the existing routing should be forwarded to the Director of Traffic Engineering for coordination with Parks, Recreation and Tourism.

Layout does not depict actual colors.  
Refer to color codes below for actual colors.



M1-23.1-24

1.5" Radius, No Border, White on White;

1) Pantone Yellow 114U

2) Pantone Blue 2747U

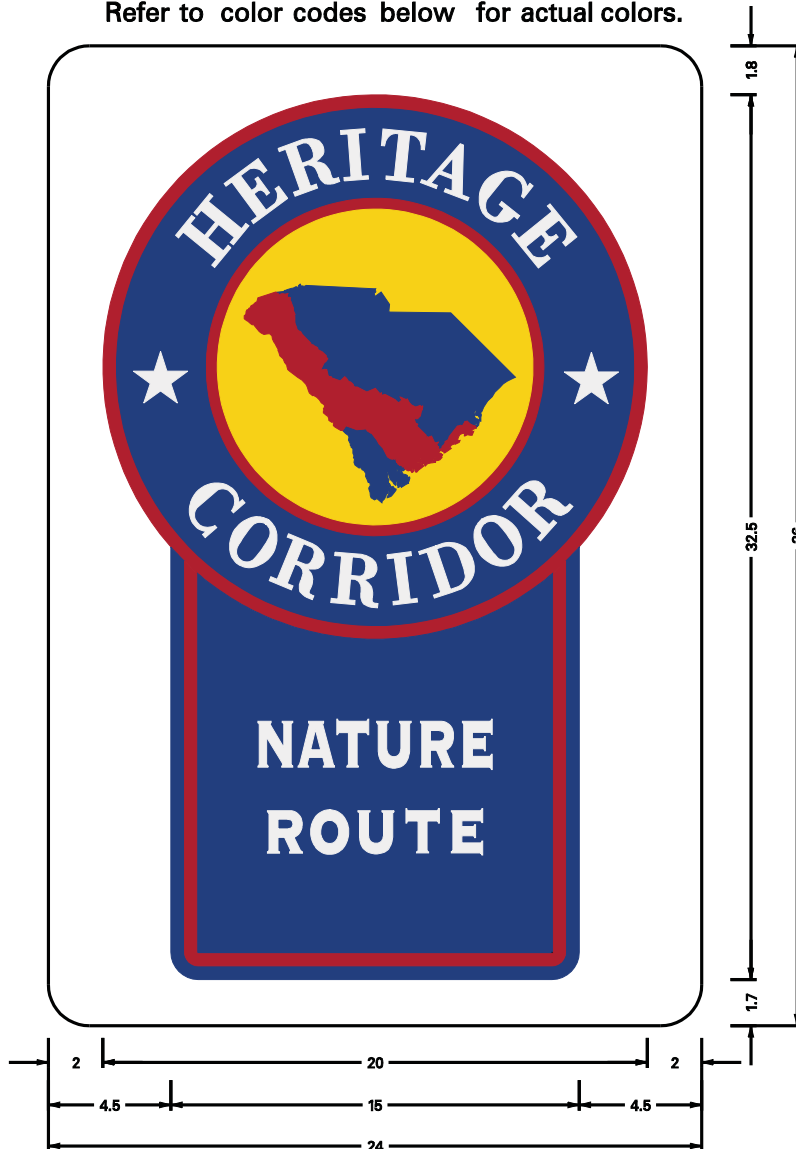
3) Pantone Red 1797U

Text and Stars – White

# M1-23.1-24 & M1-23.2-24

---

Layout does not depict actual colors.  
Refer to color codes below for actual colors.



M1-23.2-24

1.5" Radius, No Border, White on White;

1) Pantone Yellow 114U

2) Pantone Blue 2747U

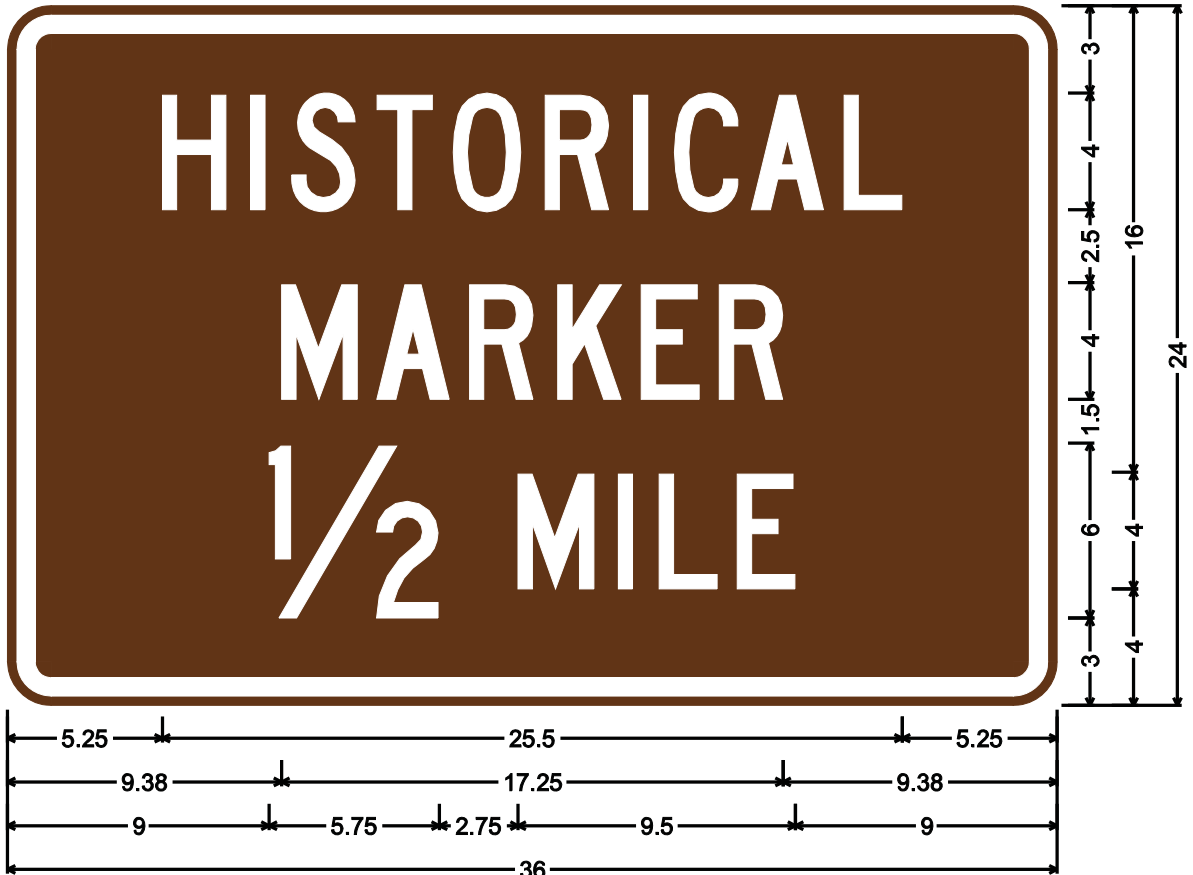
3) Pantone Red 1797U

Text and Stars – White

---

# D20-1-36

D20-1-36 may be used in rural areas in advance of a historical marker that has been approved by the Department of Archives and History.



D20-1-36; 1.50" Radius, 0.63" Border, 0.38" Indent, White on Brown;

[HISTORICAL] C; [MARKER] C; [1/2] C; [MILE] C;

Table of distances between letter and object lefts.

5.25	H	I	S	T	O	R	I	C	A	L	5.38
	M	A	R	K	E	R	9.38				
9.00	1/2	M	I	L	E	9.00					

# D9-13A-96

The hospital supplemental panel is used on the interstate and other controlled access facilities for an approved hospital. The MUTCD provides the criteria for signing for hospitals in Section 2E.51, General Service signs. The panel is normally mounted under the one-mile advance sign.



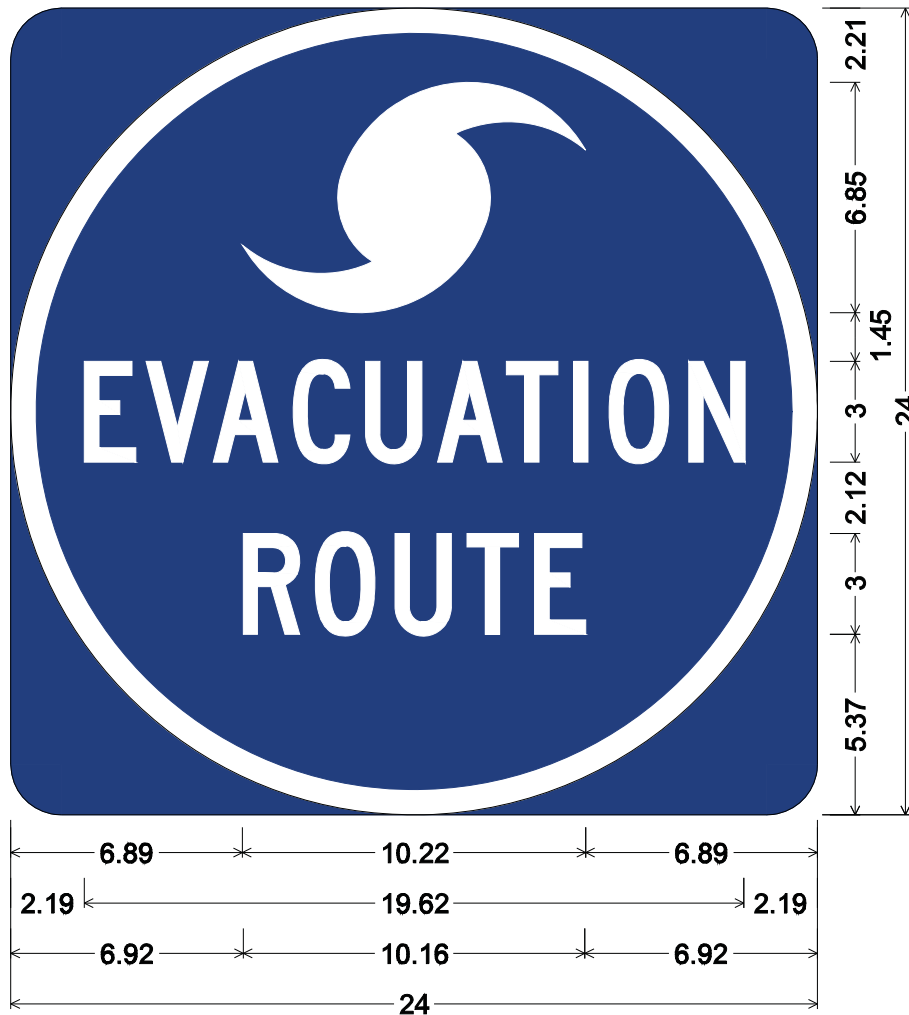
D9-13A-96; 3.00" Radius, 1.00" Border, White on Blue;  
[HOSPITAL] E;

Table of distances between letter and object lefts.

	<b>H</b>	<b>O</b>	<b>S</b>	<b>P</b>	<b>I</b>	<b>T</b>	<b>A</b>	<b>L</b>	
11.40	10.55	10.34	10.55	10.54	3.78	8.03	12.07	7.34	11.40

# EM-1A-24 & EM-1B-24

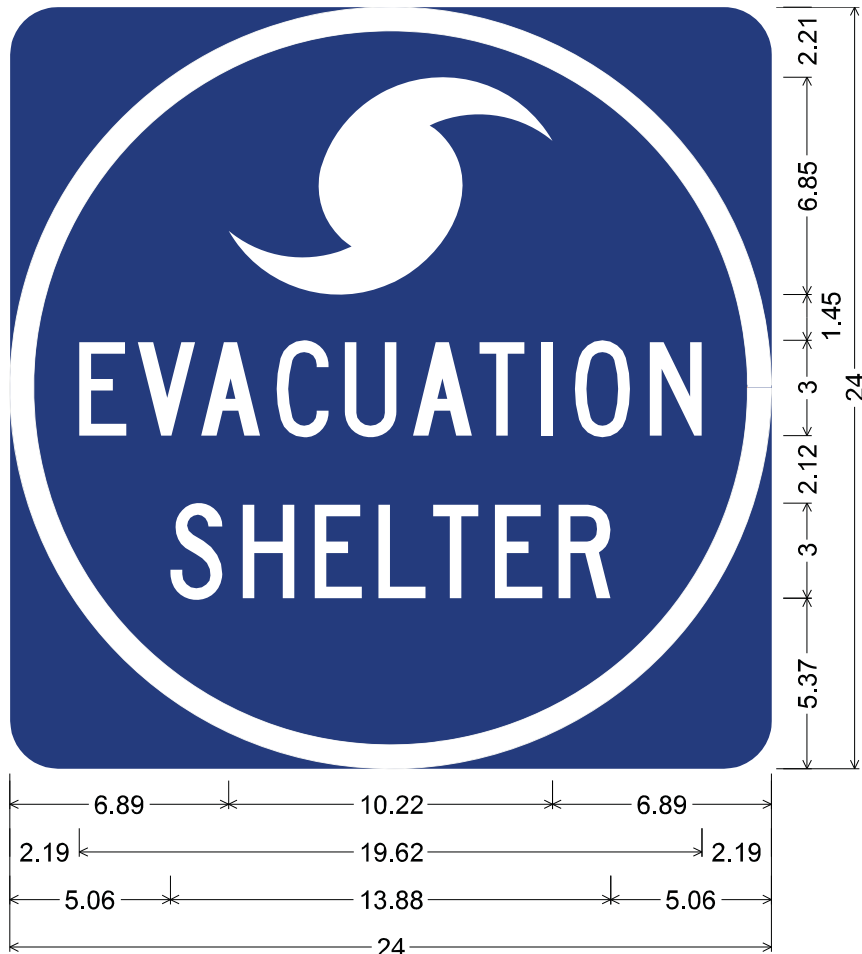
When signing a designated hurricane evacuation route, EM-1A-24 shall be used. EM-1B-24 shall be used for signing for official evacuation shelters. Since emergency shelters change frequently, EM-1B-24 should not be permanently mounted. The local emergency preparedness officials are responsible for erecting, maintaining and removing the signs when not in use. M6 series blue arrows should be used as appropriate with these signs.



EM-1A-24;  
 1.50 Radius, 0.75" Border (Circle), White on Blue;  
 Hurricane Symbol; [EVACUATION ROUTE] C;  
 Table of distances between letter and object lefts.

6.89		10.22	6.89										
2.19	E	V	A	C	U	A	T	I	O	N	2.19		
	1.84	1.99	2.39	2.14	2.15	2.05	2.00	1.06	2.36	1.64			
6.92	R	O	U	T	E	6.92							
	2.14	2.37	2.15	2.00	1.50								

# EM-1A-24 & EM-1B-24



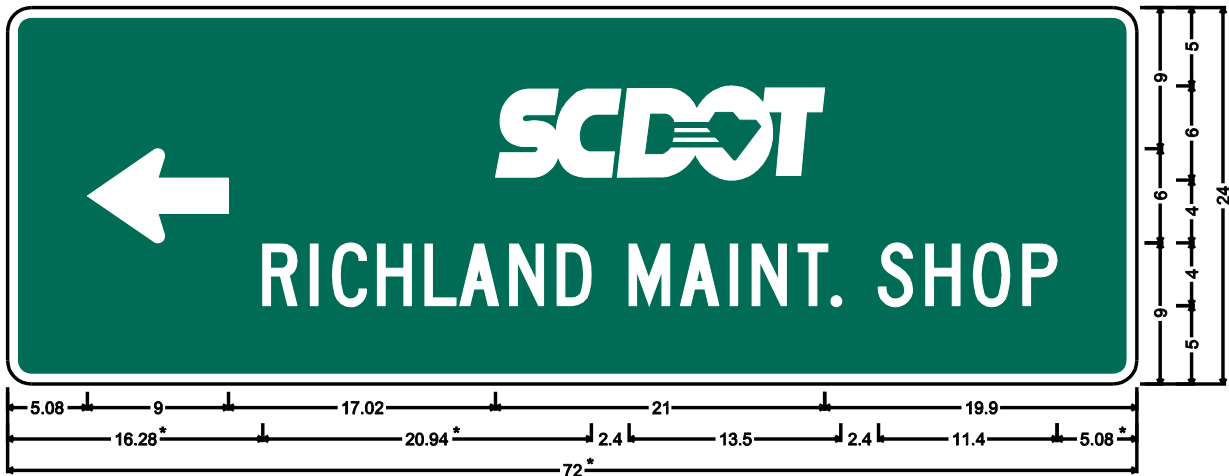
EM-1B-24; 0.75" Border, (Circle) White on Blue;  
hurricane symbol; [EVACUATION] C; [SHELTER] C;  
Table of distances between letter and object lefts.

6.89		10.22	6.89												
2.19	E	V	A	C	U	A	T	I	O	N	2.19				
	1.84	1.99	2.39	2.14	2.15	2.05	2.00	1.06	2.36	1.64					
5.06	S	H	E	L	T	E	R	5.06							
	2.27	2.28	2.00	1.67	2.01	2.01	1.64								



# D1-2B-4 & D1-2C-4

D1-2B-4 should be used to provide guidance to SCDOT maintenance facilities.  
 D1-2C-4 should be used to provide guidance to SCDOT section sheds. These signs should be provided at the last point of turn from the nearest primary route(s).



D1-2B-4; 1.50" Radius, 0.63" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.00" 180°; SCDOT; [RICHLAND] C; [MAINT.] C; [SHOP] C;  
 Table of distances between letter and object lefts.

5.08	←	26.02	21.00	19.90																
*	R*	I*	C*	H*	L*	A*	N*	D*	M	A	I	N	T	.	S	H	O	P	*	
16.28	3.03	1.40	2.86	3.03	2.23	3.18	3.03	4.58	3.27	3.18	1.40	2.87	2.22	2.96	3.03	3.03	3.16	2.18	5.08	

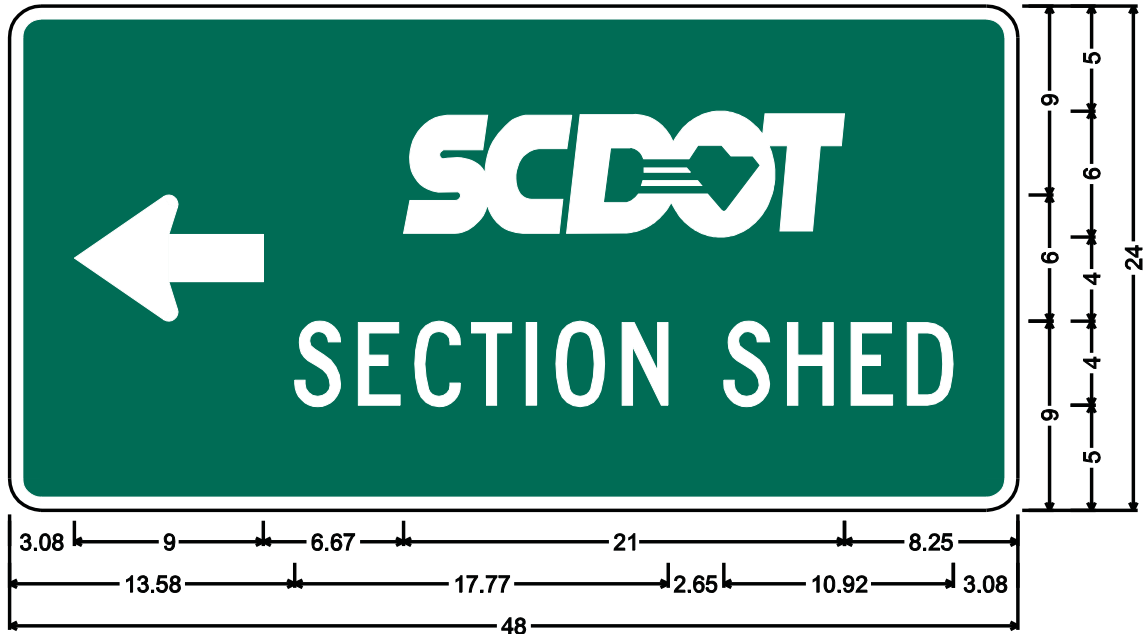
\* DIMENSIONS AND SPACING WILL VARY BASED ON COUNTY NAME \*







# D1-2B-4 & D1-2C-4



D1-2c-4; 1.50" Radius, 0.63" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.00" 180°; SCDOT; [SECTION] C; [SHED] C;  
 Table of distances between letter and object lefts.

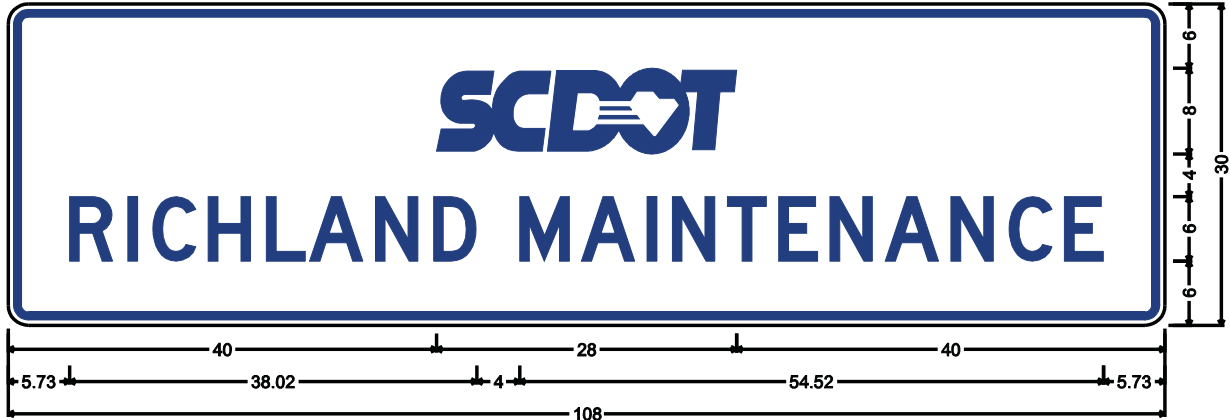
3.08	←	→	8.25												
13.58	S	E	C	T	I	O	N	S	H	E	D	3.08			
	3.03	2.67	2.65	2.67	1.41	3.15	4.84	3.03	3.03	2.67	2.19				





# D1-2D-6 & D1-2E-6

These signs are recommended for use when providing signs identifying an SCDOT maintenance or construction facility. The signs are to be placed on the facility grounds.



D1-2d-6; 1.88" Radius, 0.75" Border, 0.50" Indent, Blue on White;

SCDOT; [RICHLAND] D; [MAINTENANCE] D;

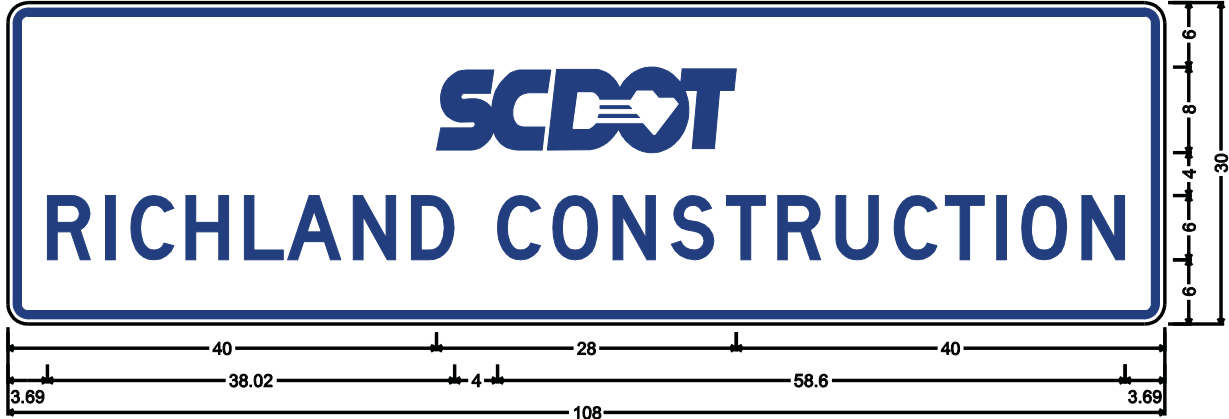
Table of distances between letter and object lefts.

40.00	28.00	40.00																			
5.73	R	I	C	H	L	A	N	D	M	A	I	N	T	E	N	A	N	C	E		
	5.44	2.35	5.15	5.44	4.03	6.14	5.44	8.03	5.77	6.14	2.34	5.16	4.78	4.78	5.16	6.14	5.43	5.16	3.66	5.73	

\* DIMENSIONS AND SPACING WILL VARY BASED ON COUNTY NAME \*



# D1-2D-6 & D1-2E-6



D1-2e-6; 1.88" Radius, 0.75" Border, 0.50" Indent, Blue on White;

SCDOT; [RICHLAND] D; [CONSTRUCTION] D;

Table of distances between letter and object lefts.

40.00	28.00	40.00																			
3.69	R	I	C	H	L	A	N	D	C	O	N	S	T	R	U	C	T	I	O	N	3.69
	5.44	2.35	5.15	5.44	4.03	6.14	5.44	8.03	5.16	5.62	5.44	5.16	4.78	5.44	5.43	4.78	4.79	2.34	5.63	4.03	3.69

\* DIMENSIONS AND SPACING WILL VARY BASED ON COUNTY NAME \*

# OHM1-1-30

The MUTCD and the Standard Highway Signs Manual provides little guidance in the design of overhead route marker assemblies. Traffic Engineering has developed layouts for various combinations of overhead route marker assemblies. Since there are over 100 different combinations, Traffic Engineering will provide layouts upon request for any combination of interstate, US route, or SC route.



OHM1-1-30;

2.00" Radius, 1.00" Border, White on Green;

Down Arrow Custom - 9.00" 270°;

Table of distances between letter and object lefts.

3.00	 24.00	3.00
1.00	28.00	1.00
8.50	 13.00	8.50

**NOTES:**

1. SEE STANDARD HIGHWAY SIGNS BOOK FOR DESIGN DETAILS OF SHIELD & ARROW.
2. USE 24"X24" MARKERS WITH D SERIES NUMERALS FOR 1 & 2 DIGIT ROUTE NUMBERS.
3. USE 30"X24" MARKERS FOR 3 DIGIT ROUTE NUMBERS:
  - (1) SERIALS D WHEN NUMBER 1 IS USED;
  - (2) SERIALS C MODIFIED WHEN NO NUMBER 1 IS USED.

# M1-22-15 & M1-22-24

SCDOT partnered with the US Parks Service in signing the Overmountain Victory Trail in York, Cherokee and Spartanburg Counties. M1-22-15 and M1-22-24 are used to mark the trail. The sign size will be determined by the District Traffic Engineer according to its use.



M1-22-15;

1.50" Radius, 0.50" Border, White on Green;

Logo2;

Table of distances between letter and object lefts.

1.00	 13.00	1.00
------	---	------



# M1-22-15 & M1-22-24



M1-22-24; 2.75" Radius, 0.50" Border, White on Green;  
 Logo2; [OVERMOUNTAIN] C; [VICTORY] C; [NATIONAL] C;  
 [HISTORIC] C; [TRAIL] C;

Table of distances between letter and object lefts.

6.00		12.00	6.00																	
3.68	O	V	E	R	M	O	U	N	T	A	I	N	3.68							
1.20	V	I	C	T	O	R	Y													
	3.25	N	A	T	I	O	N	A	L	1.20										
3.03	H	I	S	T	O	R	I	C	T	R	A	I	L	3.03						

## D21-1L-60 & D21-1R-60

Signs stating “Public Golf Course” with an appropriate arrow may be used to advise motorists of these facilities. The sign will not contain the name of the facility. Signs will be limited to the last point of turn from the nearest primary road. In order to qualify for signing, the following conditions must be met.

1. Course is open seven days a week except for holidays.
2. General public (non-members) can play any day by paying a reasonable daily green fee. Exceptions would be special events and tournaments where course is closed to non-participants.
3. Public players are entitled to use all facilities available to members.



D21-1L-60;

1.50" Radius, 0.75" Border, White on Green;

[PUBLIC] D; [GOLF] D;

Standard Arrow Custom 9.00" X 6.00" 180°;

[COURSE] D;

Table of distances between letter and object lefts.

4.66	<b>P</b>	<b>U</b>	<b>B</b>	<b>L</b>	<b>I</b>	<b>C</b>		
	5.43	5.44	5.44	4.78	2.34	8.04		
		<b>G</b>	<b>O</b>	<b>L</b>	<b>F</b>			
		5.15	5.63	4.78	3.65	4.66		
4.66	<b>←</b>	<b>C</b>	<b>O</b>	<b>U</b>	<b>R</b>	<b>S</b>	<b>E</b>	4.66
	20.21	5.16	5.63	5.43	5.16	5.44	3.65	



# D21-1L-60 & D21-1R-60



D21-1R-60;

1.50" Radius, 0.75" Border, White on Green;

[PUBLIC] D; [GOLF] D; [COURSE] D;

Standard Arrow Custom 9.00" X 6.00" 0°;

Table of distances between letter and object lefts.

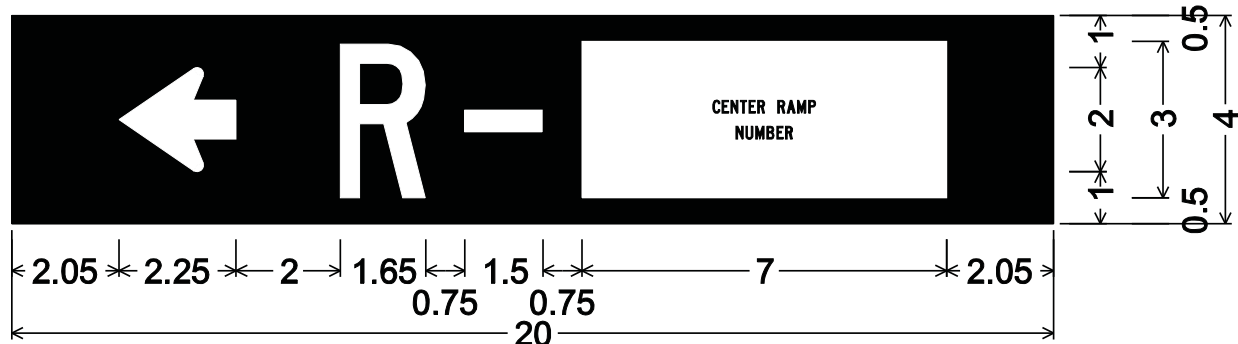
	<b>P</b>	<b>U</b>	<b>B</b>	<b>L</b>	<b>I</b>	<b>C</b>			
4.66	5.43	5.44	5.44	4.78	2.34	8.04			
		<b>G</b>	<b>O</b>	<b>L</b>	<b>F</b>				
		5.15	5.63	4.78	3.65	4.66			
4.66	<b>C</b>	<b>O</b>	<b>U</b>	<b>R</b>	<b>S</b>	<b>E</b>	<b>→</b>	9.00	4.66
	5.15	5.63	5.43	5.16	5.44	14.87			





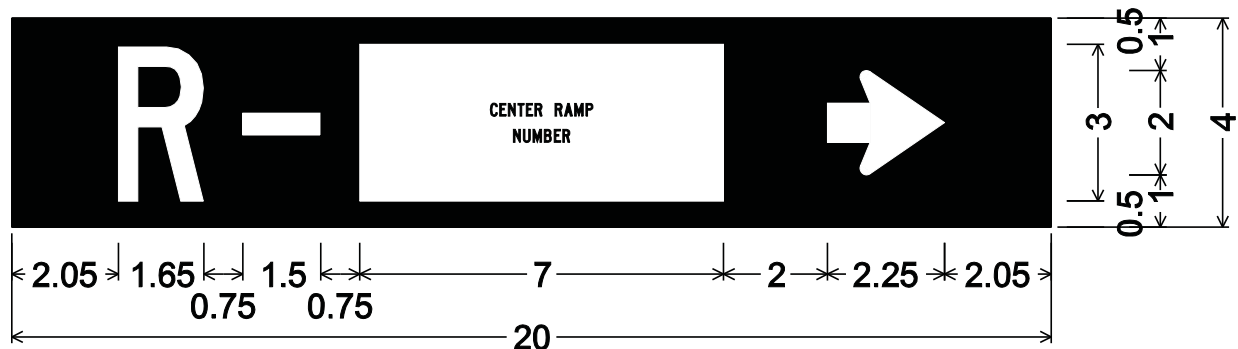
M1-R15L-20, M1-R15R-20, M1-RS15L-20 & M1-RS15R-20

The M1-15 series of signs are used to identify ramps for highway maintenance purposes. The attached memorandum from the Director of Maintenance details their use.



M1-R15L-20; 0.00" Border, White on Black;  
 Standard Arrow Custom 2.25" X 2.00" 180°; [R] C; [-] C;  
 Rounded Rectangle 0.00" Radius;  
 Table of distances between letter and object lefts.

	←	R	-	▭	
2.05	4.25	2.40	2.25	7.00	2.05

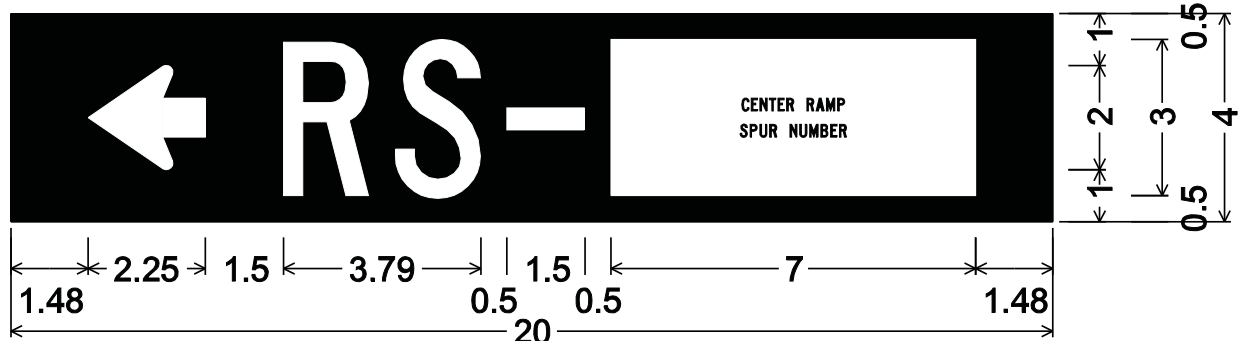


M1-R15R-20; 0.00" Border, White on Black;  
 [R] C; [-] C; Rounded Rectangle 0.00" Radius;  
 Standard Arrow Custom 2.25" X 2.00" 0°;  
 Table of distances between letter and object lefts.

	R	-	▭	→	
2.05	2.40	2.25	9.00	2.25	2.05



M1-R15L-20, M1-R15R-20, M1-RS15L-20 & M1-RS15R-20



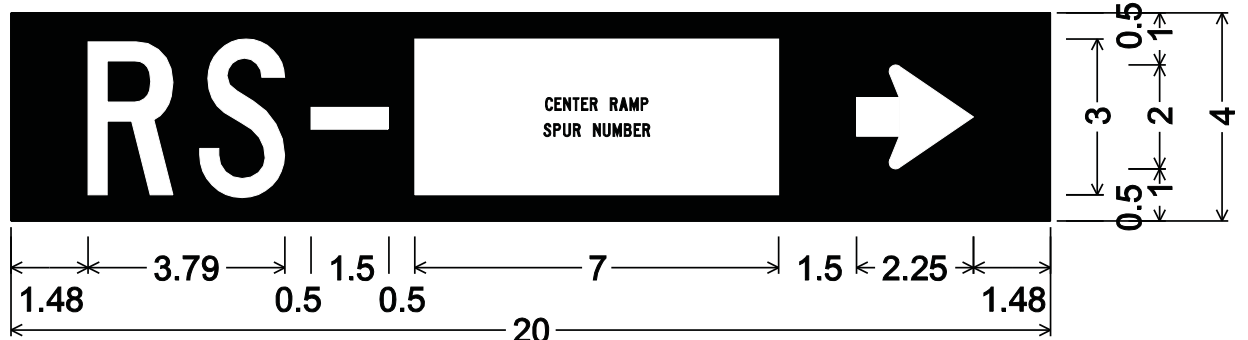
M1-RS15L-20; 0.00" Border, White on Black;

Standard Arrow Custom 2.25" X 2.00" 180°; [RS] C; [-] C;

Rounded Rectangle 0.00" Radius;

Table of distances between letter and object lefts.

	←	R	S	-	▭	
1.48	3.75	2.15	2.14	2.00	7.00	1.48



M1-RS15R-20; 0.00" Border, White on Black;

[RS] C; [-] C; Rounded Rectangle 0.00" Radius;

Standard Arrow Custom 2.25" X 2.00" 0°;

Table of distances between letter and object lefts.

	R	S	-	▭	→	
1.48	2.15	2.14	2.00	8.50	2.25	1.48

March 14, 2002

### **Signing of Interstate Ramps and Spurs**

To: District Engineering Administrators

From: Director of Maintenance Jim Feda

When HMMS comes on line effective July 1, 2002, we will begin capturing work activity information related to interchange ramps and spurs. In order to provide a simple means for our field staff to confirm their locations, we will install route identification signing similar to our current secondary road identification signing.

Ramps will be designated by an R-prefix followed by the unique four-digit identification number assigned by your staff or the Central Office Planning staff. Ramp spurs will be designated by an RS-prefix followed by the unique four-digit identification number assigned by your staff. The signs will be the same size and color as our standard secondary system identification signs, with the same lettering size. A location sign is to be placed at the beginning and end of each ramp and ramp spur. Each sign should include a directional arrow indicating the ramp's or spur's direction. Other sign assemblies may be needed at intermediate locations such as gores where ramps and spurs diverge or converge to confirm their direction. See Attachment No. 1, Example No. 1.

Where a ramp or spur begins or ends in a stop condition, the location sign may be mounted on the stop sign assembly at the intersection. Where a ramp begins at a decel lane, a post assembly with the identification sign should be mounted adjacent to the gore area between the main route, and ramp or spur. The assembly should be erected at the point of divergence of the main/crossing route's edge of travelway and the ramp's left edge of travelway. This is the point where the ramp begins. See Attachment No. 1, Example No. 2.

When a ramp or spur ends at an accel lane, a post assembly with the identification sign should be located at the point where the ramp or spur ends and the accel lane begins. This is the point of convergence of the ramp's left edge of travelway and the main/crossing route's edge of travelway and will be the location where the ramp or spur ends. See Attachment No. 1, Example No. 3.

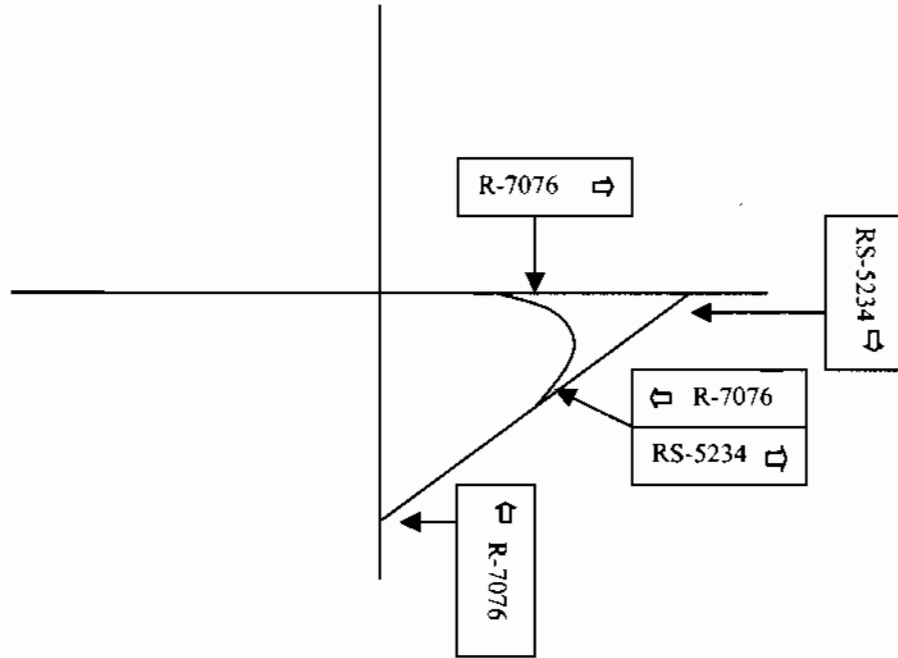
These are the most common applications and I'm sure some situations won't fit into these examples. In these cases, use your best judgment in locating the sign assemblies. Remember that the goal is to assure that our field personnel can easily confirm the location of each ramp and spur.

Please prepare a detailed list of the signs and number of each needed. Provide this list to the appropriate district sign shop for manufacture and have all signs placed prior to July 1, 2002.

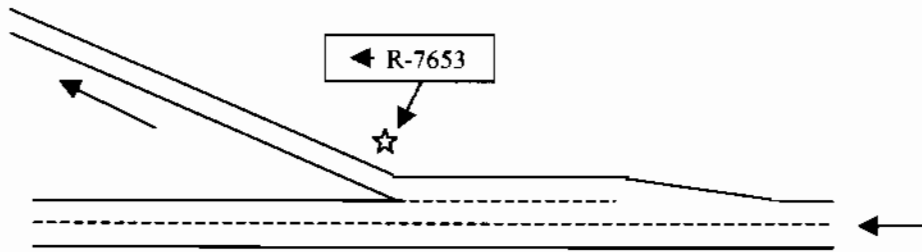
File/JJF/PMB/sm

# Attachment No. 1

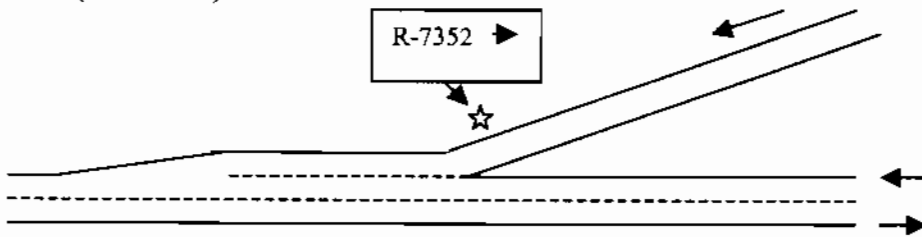
## Example No. 1



## Example No. 2 (Decel Lane)

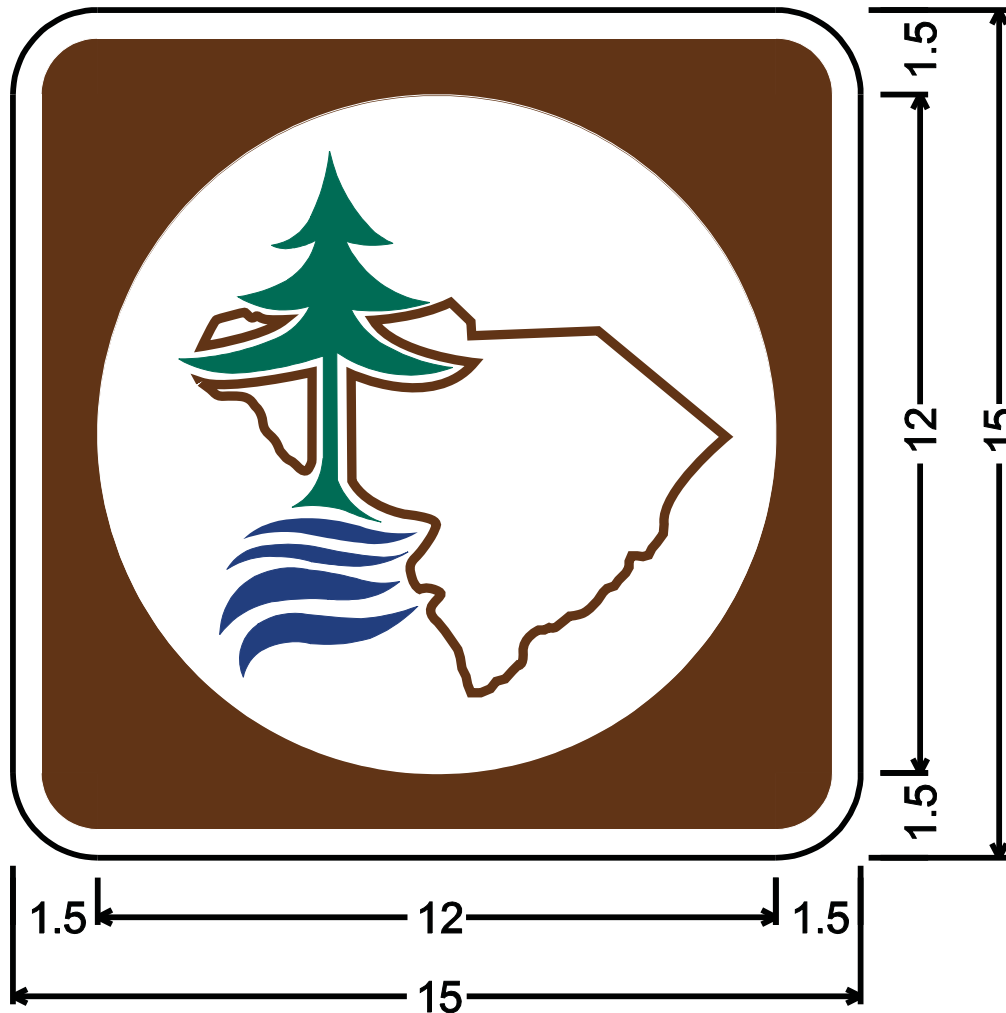


## Example No. 2 (Accel Lane)



# M1-21-15 & M1-21-24

The Savannah River National Scenic Highway is a nationally designated scenic route. M1-21-15 and M1-21-24 are the official signs to designate this route. The sign size will be determined by the District Traffic Engineer according to its use.



M1-21-15;

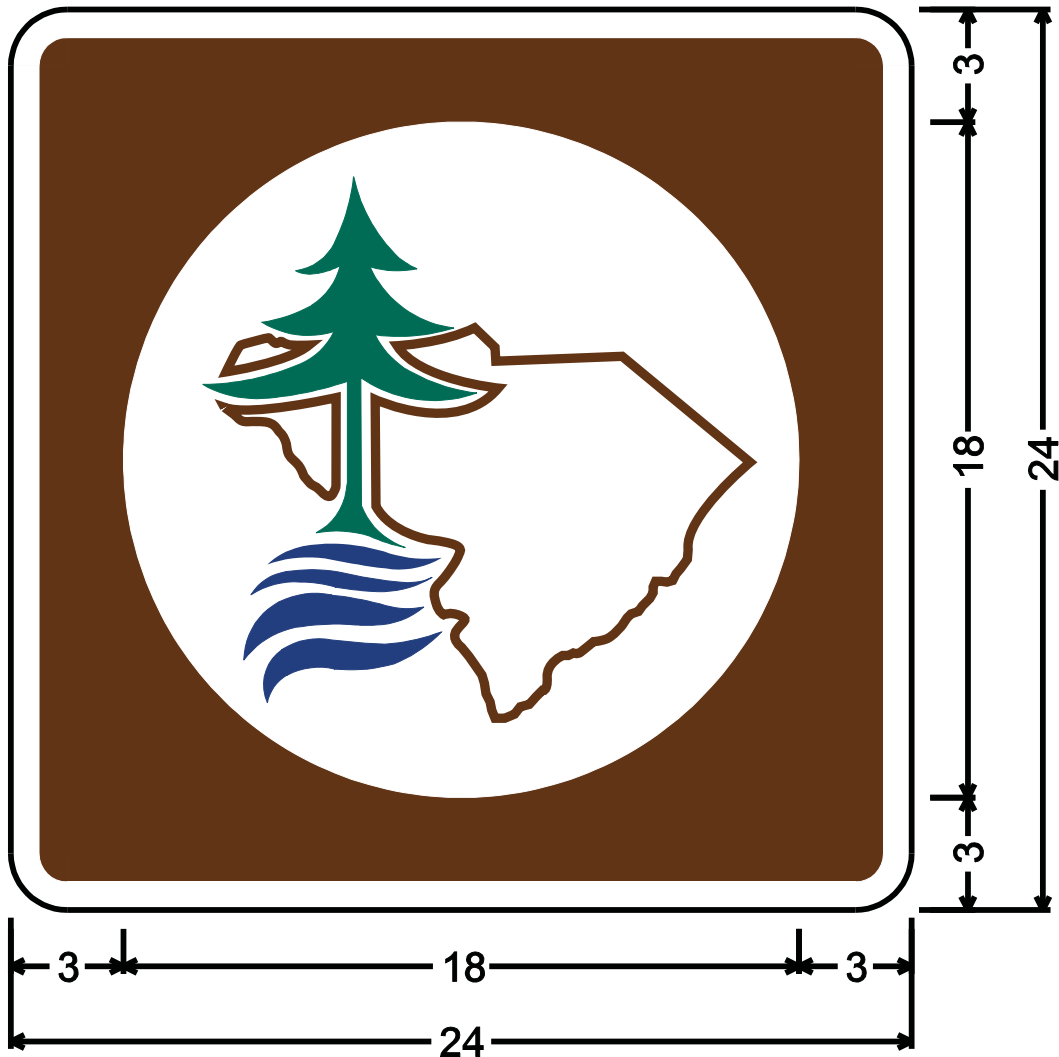
1.50" Radius, 0.50" Border, White on Brown;  
Savannah;

Table of widths and spaces.

1.50		12.00	1.50
------	---	-------	------

# M1-21-15 & M1-21-24

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M1-21-24;

1.50" Radius, 0.75" Border, White on Brown;

Savannah;

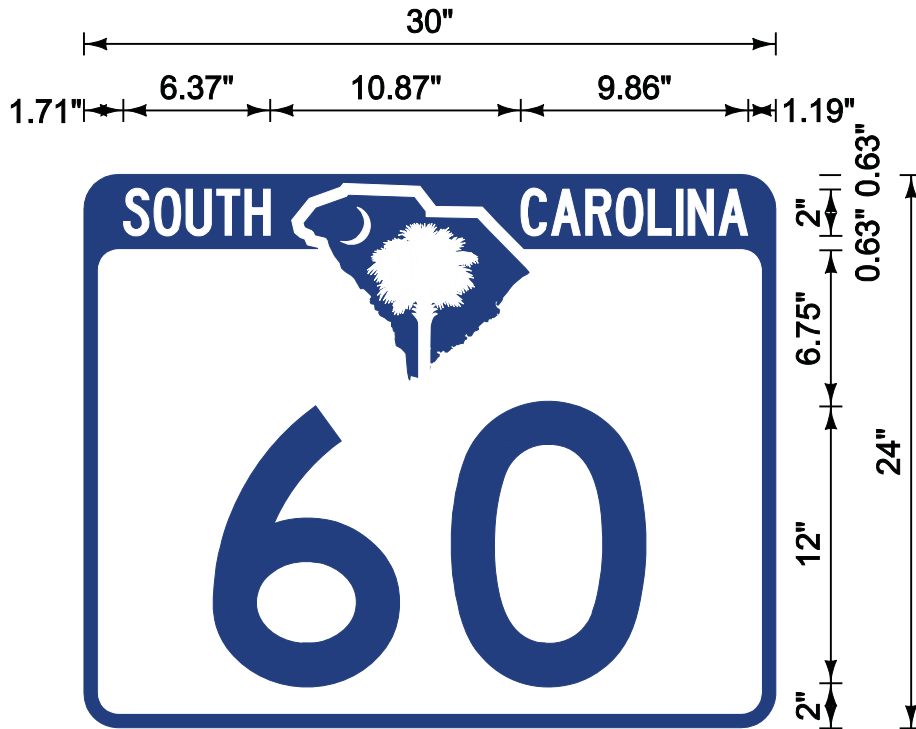
Table of widths and spaces.

3.00		3.00
3.00	18.00	3.00



## M1-5-30 & M1-5-45

SCDOT redesigned the South Carolina Route sign in 2007. M1-5-30 is to be used for conventional roads. M1-5-45 is to be used for expressways.



### M1-5-30;

1.5" Radius, .63" Border, White on Blue;

"SOUTH" C 67% spacing; "CAROLINA" C 67% spacing;

1.5" Radius, .63" Border, Blue on White;

Use Series "D" numerals for 1-digit routes and 2-digit routes

Use Series "D" numerals for 3-digit routes only if numeral "1" is used

Use Series "C" numerals for 3-digit routes when numeral "1" is not used.

Numerals are to be centered horizontally





# M1-5-30 & M1-5-45

---



M1-5-45;

2.25" Radius, .75" Border, White on Blue;

"SOUTH" C 67% spacing; "CAROLINA" C 67% spacing;

2.25" Radius, .75" Border, Blue on White;

Use Series "D" numerals for 1-digit routes and 2-digit routes

Use Series "D" numerals for 3-digit routes only if numeral "1" is used

Use Series "C" numerals for 3-digit routes when numeral "1" is not used.

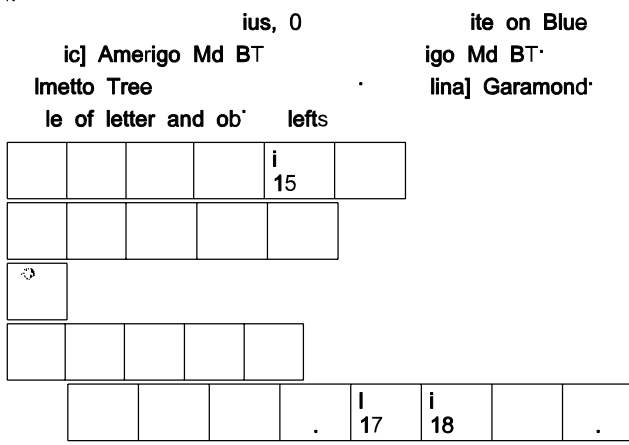
Numerals are to be centered horizontally

---



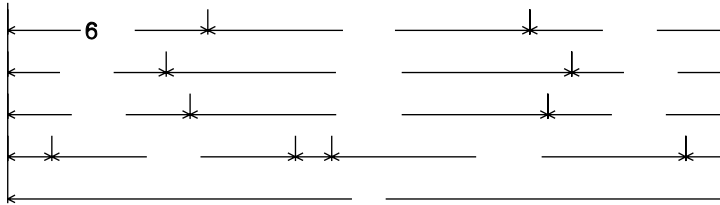
# M1-24.1-24 & M1-24.2-24

In accordance with [Engineering Directive 7](#), M1-24.1-24 is used to designate routes that are approved for scenic highway status by the State's Scenic Highway Committee. Where a road is designated by the Committee as a local byway, M1-24.2-24 is used.





# M1-24.1-24 & M1-24.2-24



ius, 0                      ite on Blue  
 [j Amerigo Md BT              igo Md BT  
 lmetto Tree  
 lina] Garamond 80% spacing  
 le of letter and ob' lefts

				16

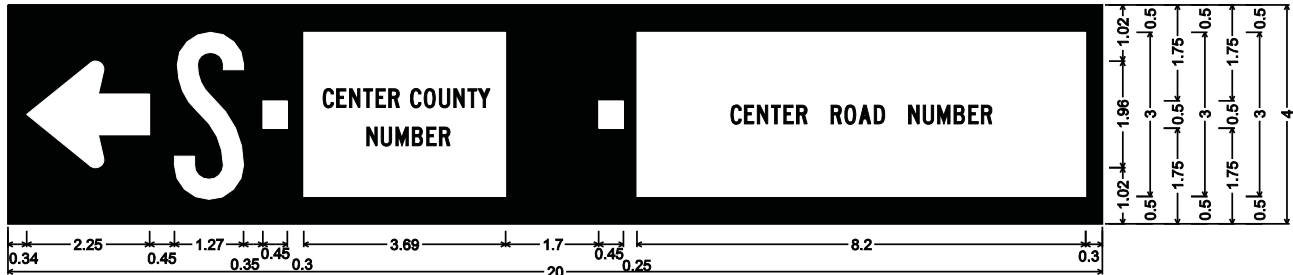
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					i		
				17	18		



## M1-15-20-D/F & M1-15-24-D/F

Secondary Route Markers should be erected on each end of a secondary road and at all intersections with other secondary roads or numbered routes. The marker should be visible from both directions of travel approaching the intersection. M1-15-20-D/F and M1-15-24-D/F are double-faced signs with appropriate arrows.



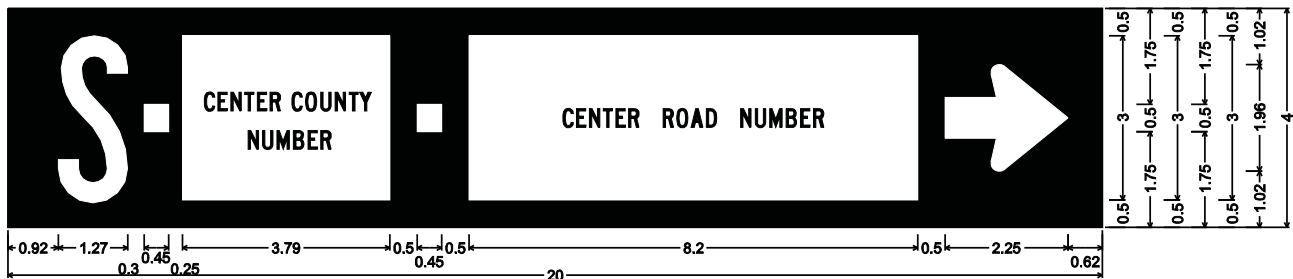
M1-15-20-D/F

No border, Black on Black;

Standard Arrow Custom 2.25" X 1.95" 180° White; [S] White B specified length; Rectangle White; Rectangle White;

Table of distances between letter and object lefts.

0.34	2.70	1.62	0.75	5.39	0.70	8.20	0.30
------	------	------	------	------	------	------	------



M1-15-20-D/F

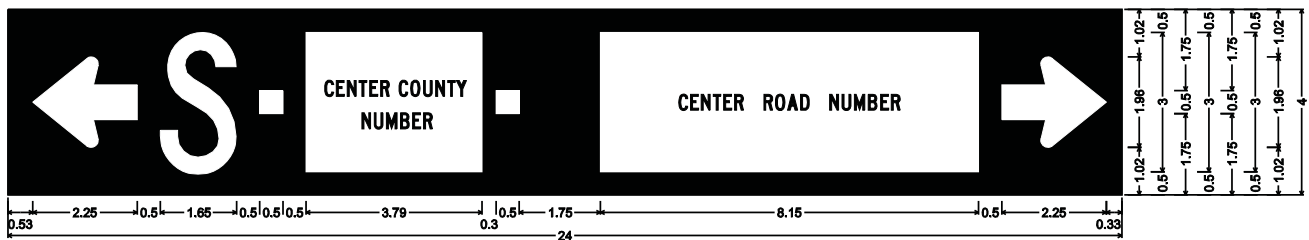
No border, Black on Black;

[S] White B; Rectangle White; Rectangle White;

Standard Arrow Custom 2.25" X 1.95" 0° White;

Table of distances between letter and object lefts.

0.92	1.57	0.70	4.29	0.95	8.70	2.25	0.62
------	------	------	------	------	------	------	------



M1-15-24-D/F

No border, White on Black;

Standard Arrow Custom 2.25" X 1.95" 180°; [S] C specified length;

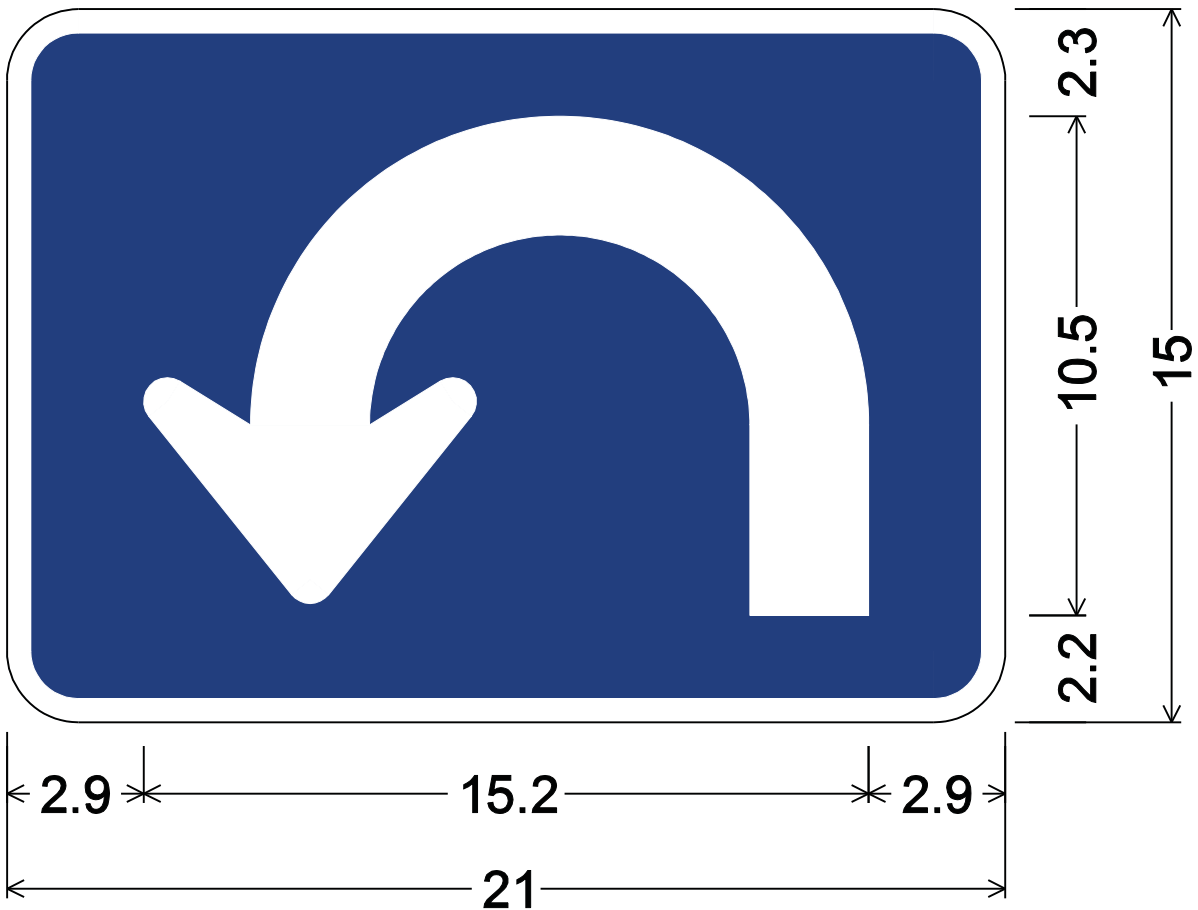
Standard Arrow Custom 2.25" X 1.95" 0°;

Table of distances between letter and object lefts.

0.53	2.75	2.15	1.00	4.09	2.25	8.85	2.25	0.33
------	------	------	------	------	------	------	------	------

## M6-20L-21-B & M6-20R-21-B

These signs were designed for an unusual turn to enter an interstate ramp. If special geometrics require a special sign, the Director of Traffic Engineering can provide layouts.




M6-20L-21-B

1.5" Radius, 0.5" Border, White on Blue;

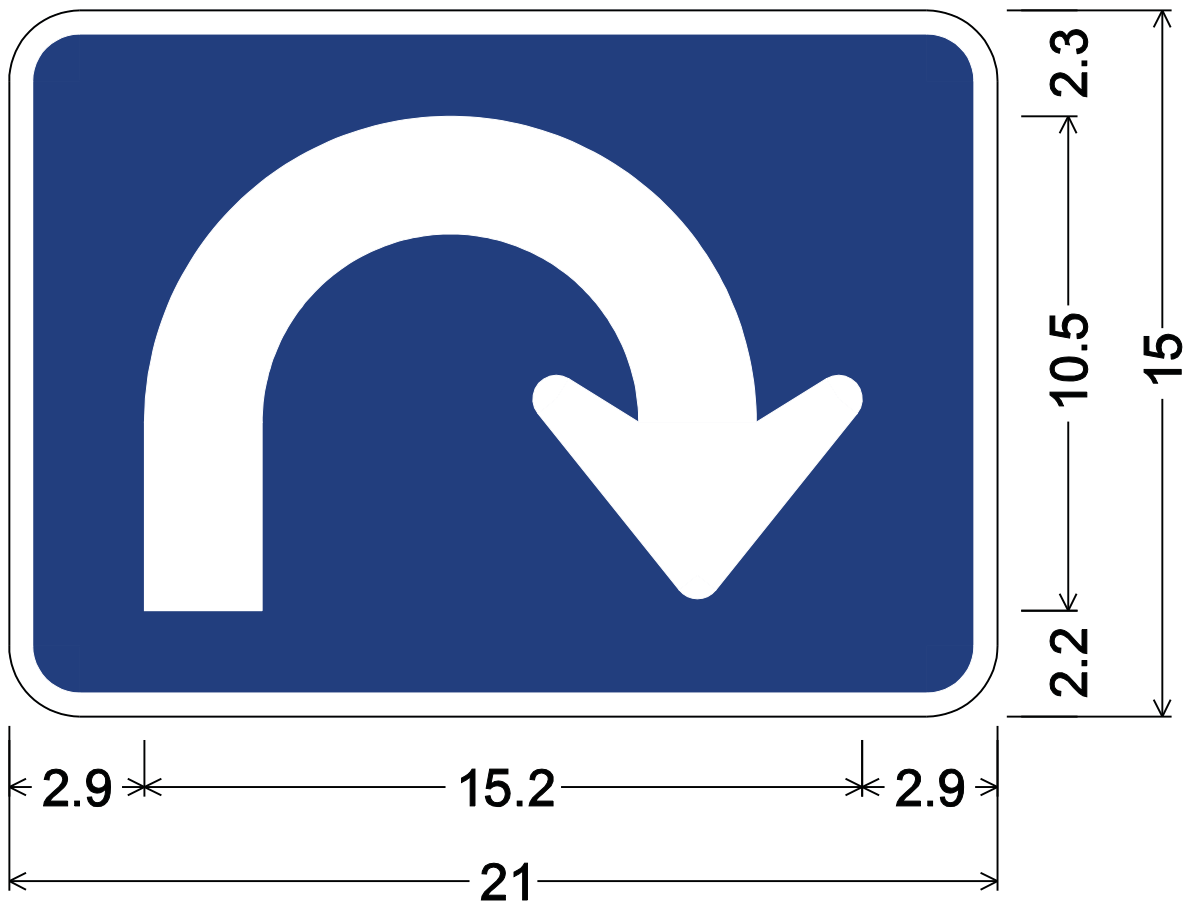
Turn Arrow Custom;

Table of distances between letter and object lefts.

		
2.9	15.2	2.9

**M6-20L-21-B & M6-20R-21-B**

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M6-20R-21-B

1.5" Radius, 0.5" Border, White on Blue;

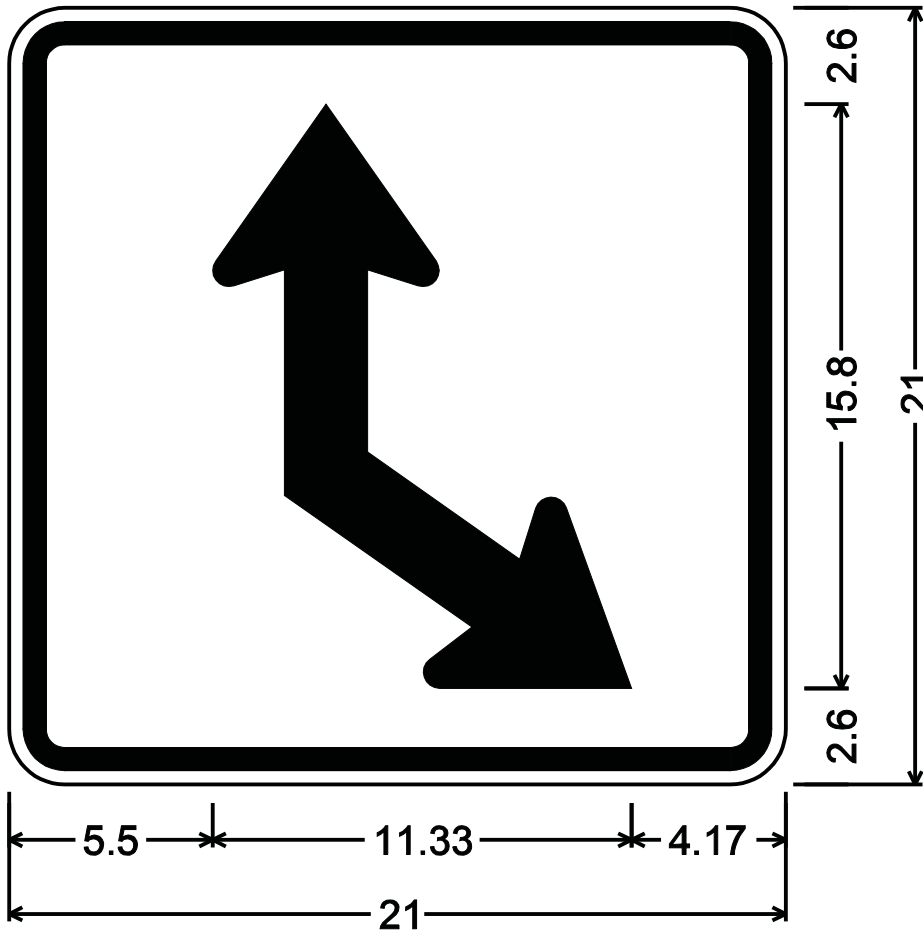
Turn Arrow Custom;

Table of distances between letter and object lefts.

		
2.9	15.2	2.9

# M6-7.5R-21-W & M6-7.5L-21-W

These Directional Arrow Auxiliary signs are in addition to the standard M5 and M6 signs shown in Figure 2D-5 of the MUTCD.



M6-7.5R-21;

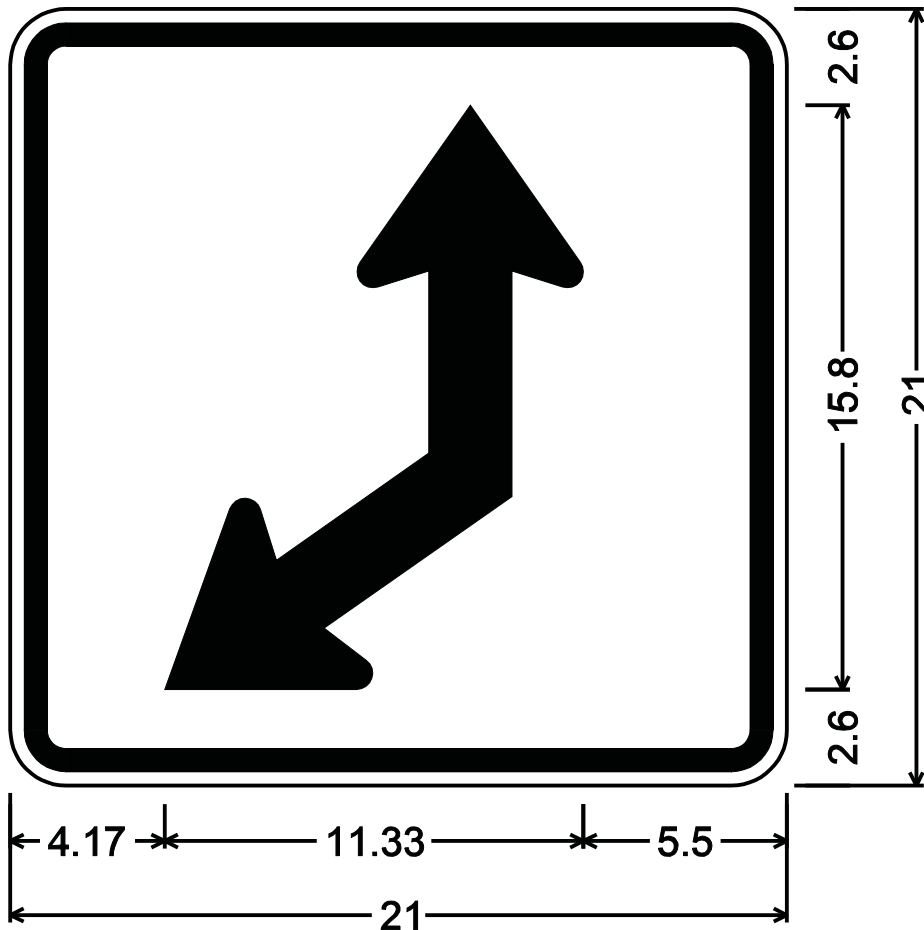
1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 Table of distances between letter and object lefts.

5.50		4.17
------	--	------

\* See page 6-2 of the Standard Highway Signs for Arrowhead Design

# M6-7.5R-21-W & M6-7.5L-21-W


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M6-7.5L-21-W;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

Table of distances between letter and object lefts.

4.17		11.33	5.50
------	---	-------	------

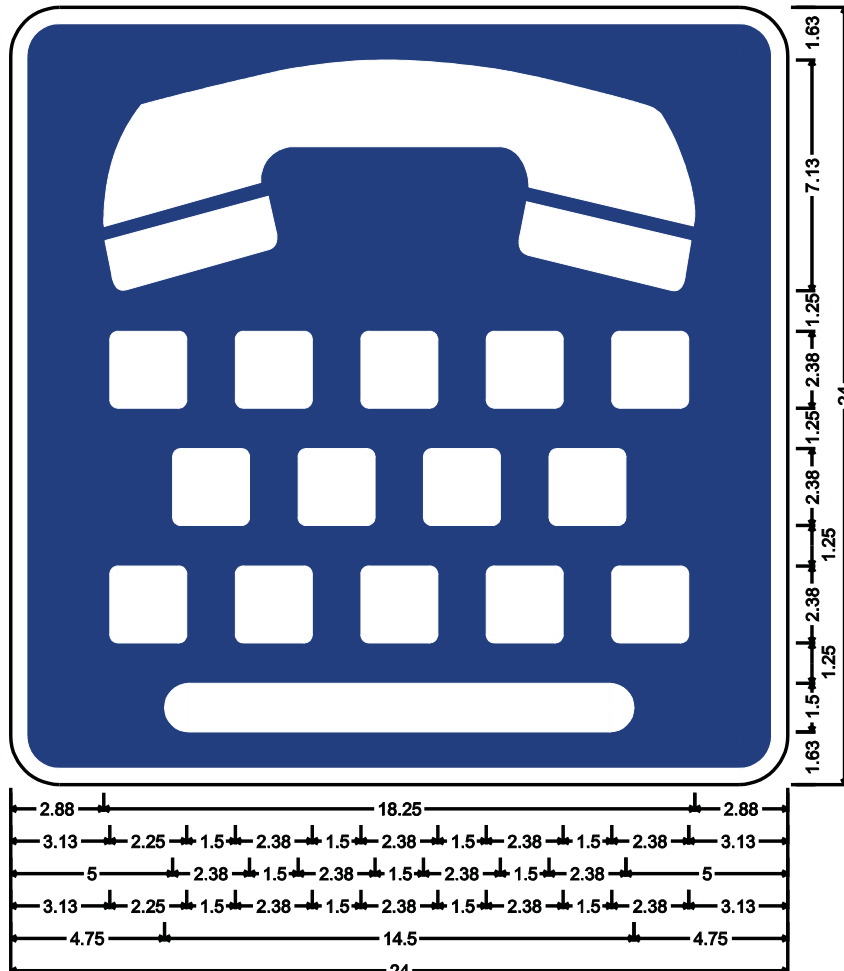
\* See page 6-2 of the Standard Highway Signs for Arrowhead Design

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## D9-1.1-24

SCDOT has text telephones installed at all our rest areas and welcome centers. In order to advise the hearing impaired motorists of the availability of these special phones D9-1.1-24 is to be installed on the approaches to these facilities, generally on the left post of the advance guide sign.

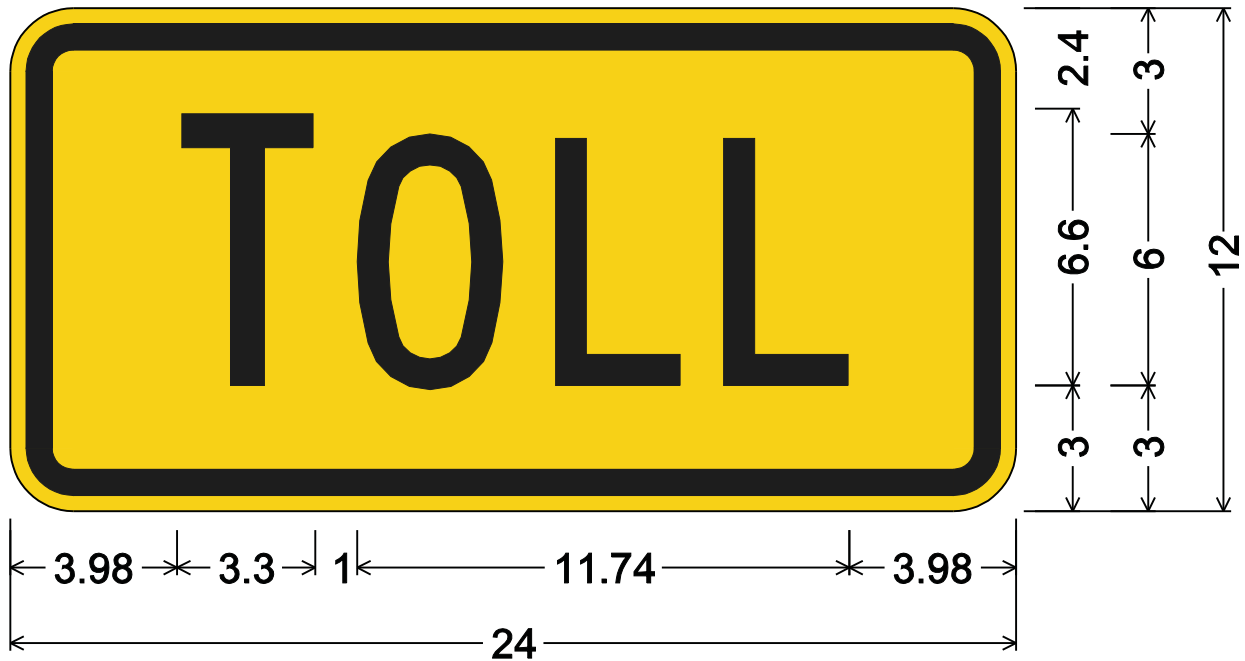


D9-1.1-24; 1.50" Radius, 0.50" Border, White on Blue;  
 Symbol RM150 White; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.25" Radius;  
 Rounded Rectangle 0.25" Radius; Rounded Rectangle 0.75" Radius;  
 Table of distances between letter and object lefts.

2.88	18.25	2.88				
3.13	3.75	3.88	3.88	3.88	2.38	3.13
5.00	3.88	3.88	3.88	2.38	5.00	
3.13	3.75	3.88	3.88	3.88	2.38	3.13
4.75	14.50	4.75				

## M4-20-24 & M4-20-30

The Toll sign is used in a sign assembly to advise motorists that the route assembly is directing motorists to a toll facility. The size of the sign should correspond to the size of the signs they supplement.



M4-20-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on Yellow;

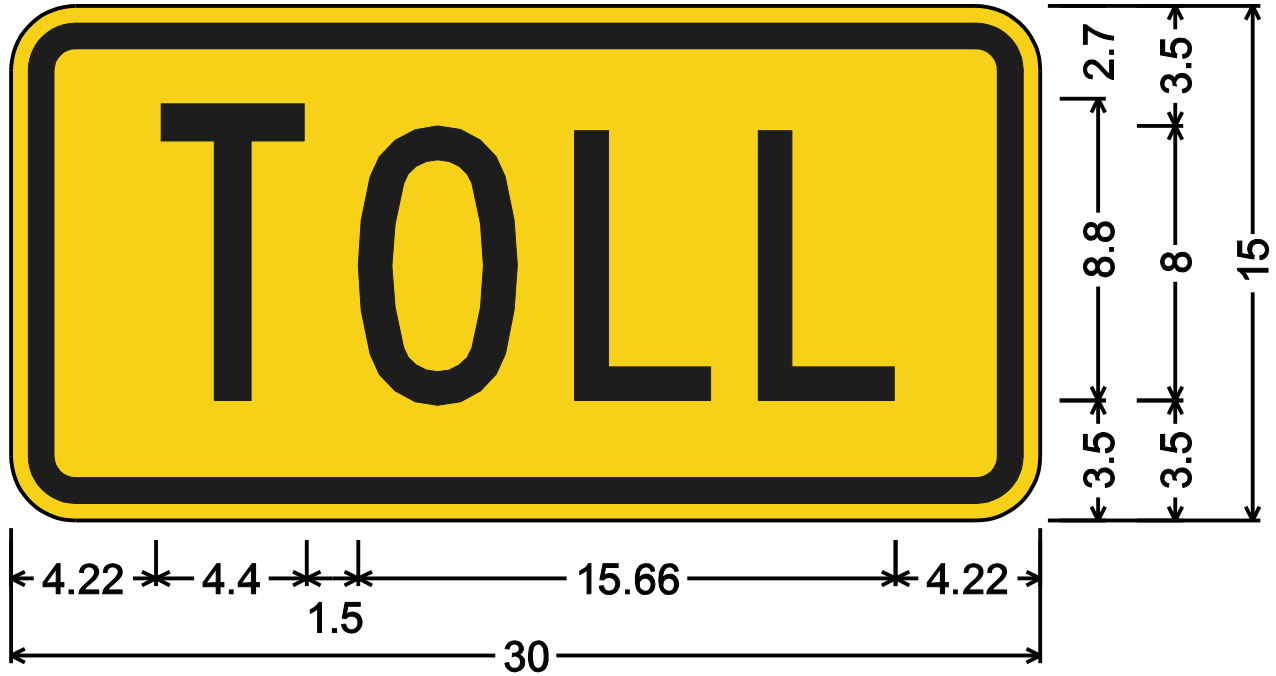
[T] C; [OLL] C;

Table of distances between letter and object lefts.

	T	O	L	L	
3.98	4.30	4.73	4.01	3.00	3.98

M4-20-24 & M4-20-30

---



M4-20-30;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Yellow;

[T] C; [OLL] C;

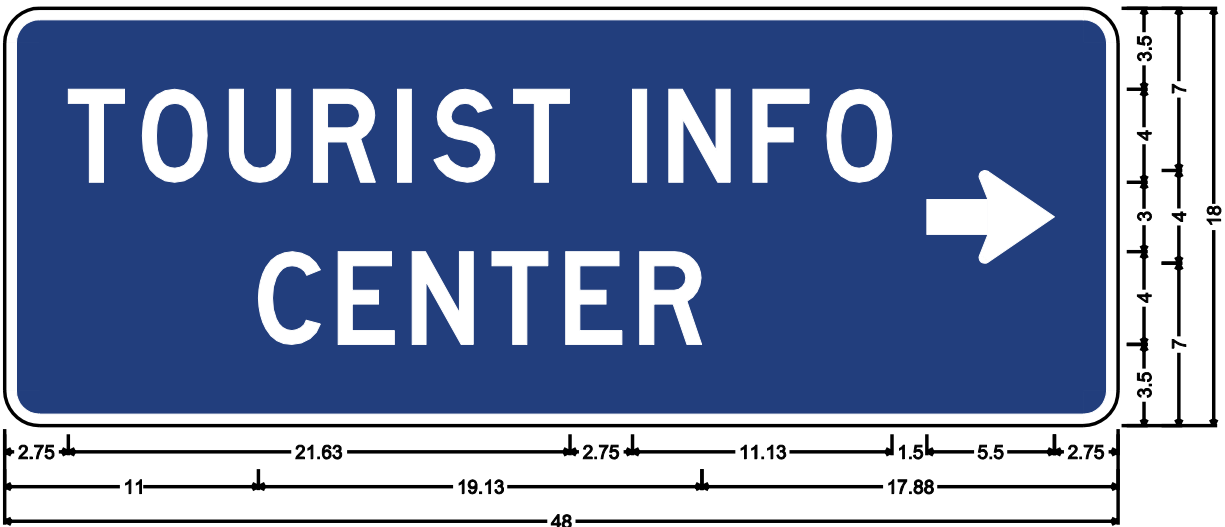
Table of distances between letter and object lefts.

	T	O	L	L	
4.22	5.90	6.31	5.35	4.00	4.22



# D9-10.4-48

D9-10.4-48 may be erected at an approved tourist information center. [Traffic Engineering Guideline TG-14](#) provides the criteria for determining whether a tourist information center qualifies for signing.



D9-10.4-48; 1.50" Radius, 0.50" Border, White on Blue; [TOURIST] D; [INFO] D; [CENTER] D; Standard Arrow Custom 5.50" X 4.00" 0°; Table of distances between letter and object lefts.

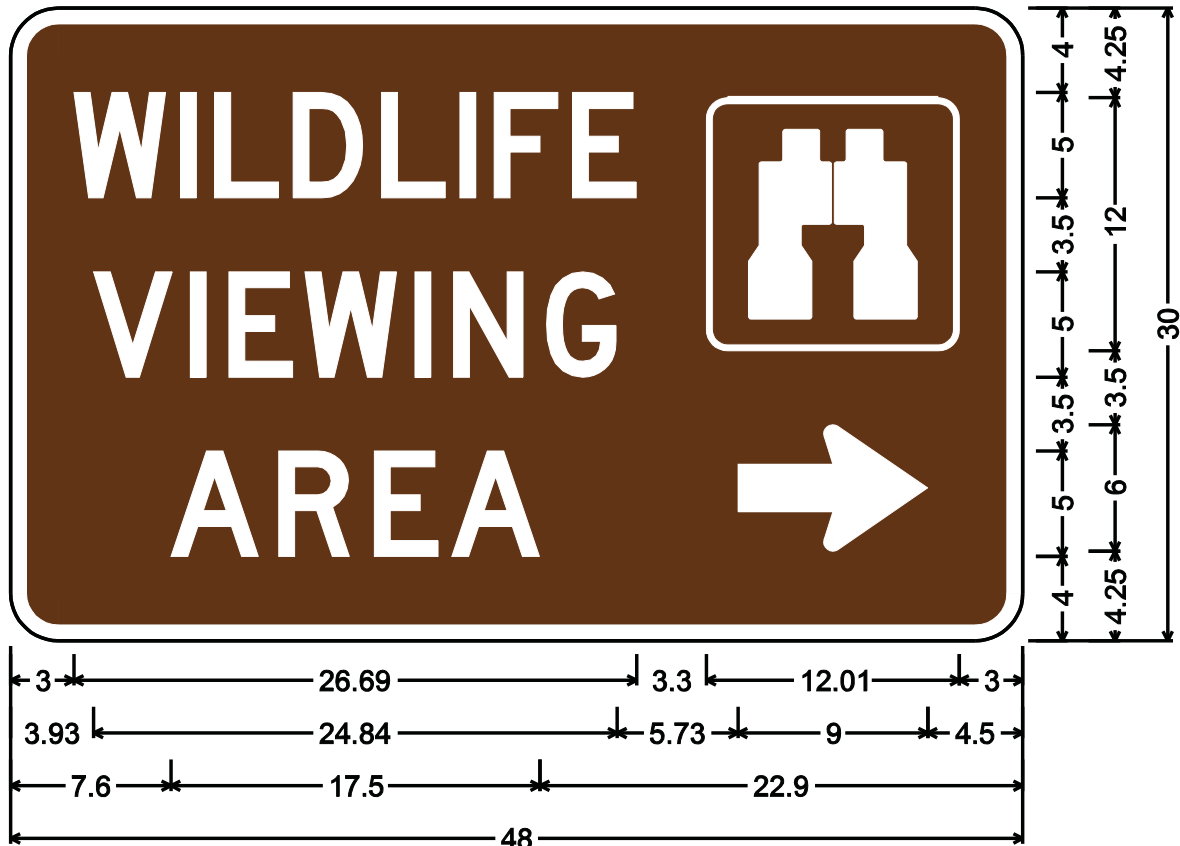
2.75	T	O	U	R	I	S	T	I	N	F	O	→	2.75
	3.13	3.75	3.63	3.63	1.63	3.38	5.13	1.63	3.63	3.13	4.38	5.50	
11.00	C	E	N	T	E	R							
	3.38	3.13	3.50	3.13	3.25	2.63	18.00						





# D7-3-5, RG-400-12 & RG-400-18

The SCDOT partners with the Department of Natural Resources to erect signs to designate areas where there are significant opportunities to view wildlife. Any requests for new locations should be referred to the Department of Natural Resources. If the binocular symbol only is to be added to an existing sign, RG-400-12 or RG-400-18 may be used.



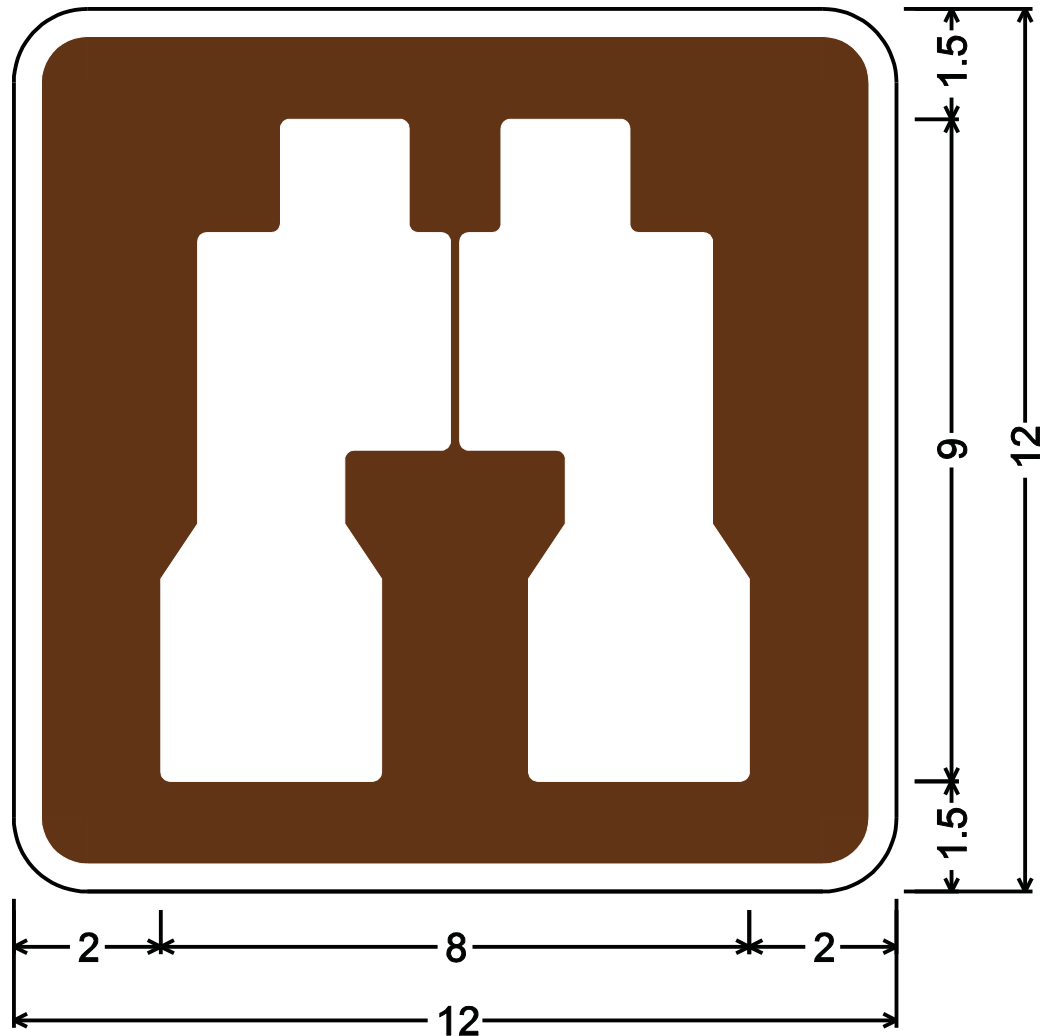
D7-3-5; 2.25" Radius, 0.75" Border, White on Brown;  
 [WILDLIFE] D specified length; [VIEWING] D specified length;  
 [AREA] D; nocks; Standard Arrow Custom 9.00" X 6.00" 0°;  
 Table of distances between letter and object lefts.

3.00	W	I	L	D	L	I	F	E		3.00
3.93	V	I	E	W	I	N	G	→		
7.60	A	R	E	A						
5.05	5.12	1.62	4.53	4.20	3.67	3.72	4.18	3.72	22.90	
1.62	1.83	1.83	3.61	5.21	1.83	4.41	9.09	8.99	4.51	
3.72	3.72	3.72	6.34	12.01						



# D7-3-5, RG-400-12 & RG-400-18


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RG-400-12;

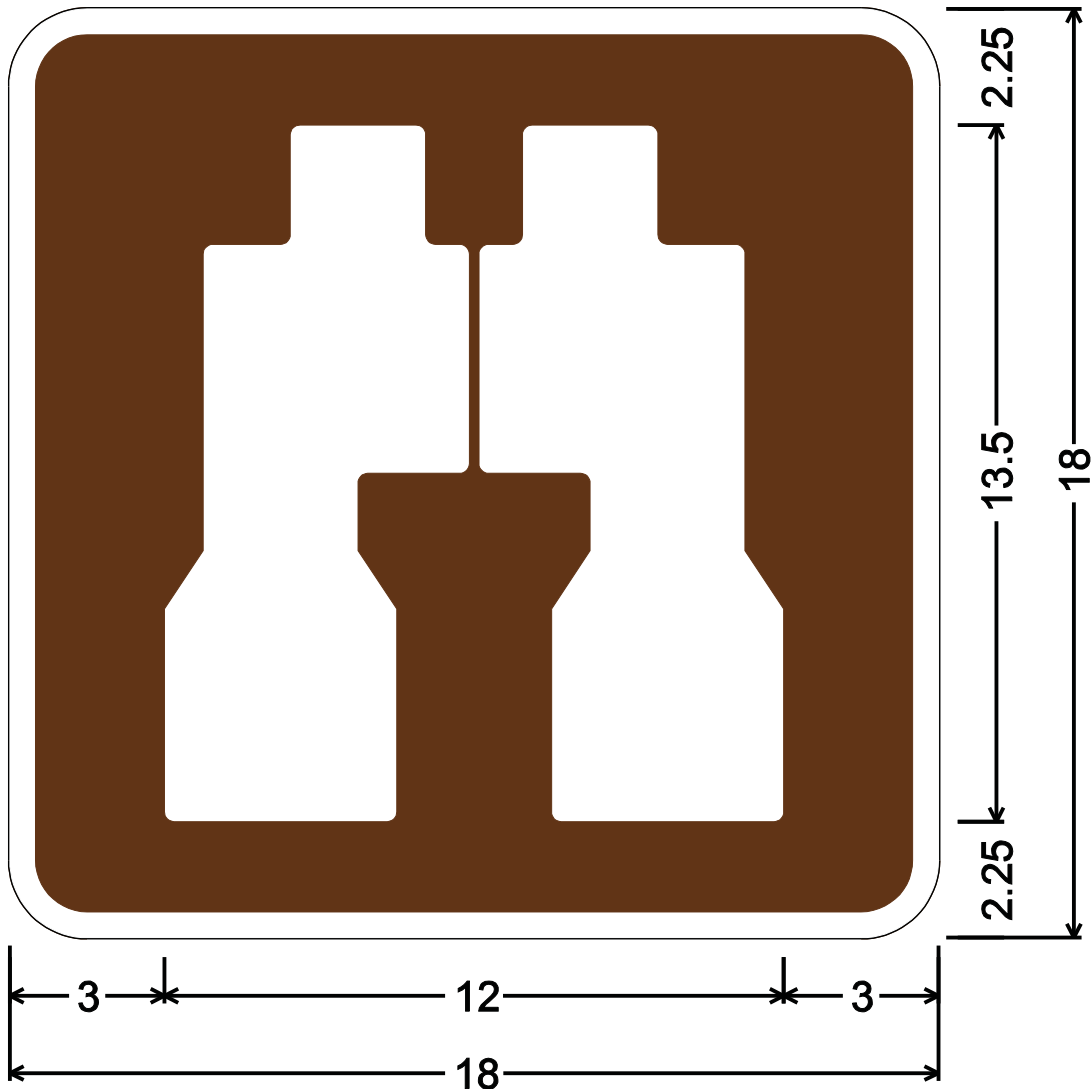
1.00" Radius, 0.38" Border, White on Brown;  
nocks;

Table of distances between letter and object lefts.

2.00		2.00
2.00	8.00	2.00

# D7-3-5, RG-400-12 & RG-400-18


---



RG-400-18;

1.50" Radius, 0.50" Border, White on Brown;  
nocks;

Table of distances between letter and object lefts.

3.00		12.00	3.00
------	---	-------	------



I-10-1-48, I-10-2-48, I-10-2.1-48, I-10-3-48 & I-10-4-48 (A & B)

SCDOT has an established volunteer program for litter control named Adopt-A-Highway. The standard sign developed for this program is I-10-1-48. Supplemental signs that may be used under this sign are: I-10-2-48—Group Name, I-10-2.1-48—Section Available, and I-10-3-48—County Winner. [Engineering Directive Memorandum 40](#) gives further information on this program.

I-10-4-48 is a fold-up sign. When pickup is active the sign reads Litter Pickup Ahead. The sign has black letters and border on an orange background. When pickup is not active the sign is closed and reads Have Pride Don't Litter on a green background with white legend and border.



I-10-1-48; 1.50" Radius, 0.75" Border, White on Green;

[ADOPT-A-HIGHWAY] C; [PROGRAM] C; [LITTER] C; [CONTROL] C; [NEXT] C; [X] C; [MILES] C;

Table of distances between letter and object lefts.

3.23	A	D	O	P	T	-	A	-	H	I	G	H	W	A	Y	3.23
3.23	3.18	2.86	3.15	2.87	2.45	2.45	2.96	2.84	3.03	1.40	3.03	2.87	3.22	2.73	2.50	3.23
13.73	P	R	O	G	R	A	M									
13.73	3.03	2.86	2.99	3.03	2.86	3.18	2.59	13.73								
5.37	L	I	T	T	E	R	C	O	N	T	R	O	L			
5.37	2.68	1.24	2.22	2.68	2.67	6.19	2.87	3.15	2.86	2.68	2.86	3.16	2.00	5.37		
7.39	N	E	X	T	X	M	I	L	E	S						
7.39	3.03	2.67	2.80	6.00	6.34	3.44	1.40	2.68	2.68	2.18	7.39					





I-10-1-48, I-10-2-48, I-10-2.1-48, I-10-3-48 & I-10-4-48 (A & B)



I-10-2-48; 1.50" Radius, 0.63" Border, White on Green;

[ANY] C; [NAME] C; [GROUP] C;

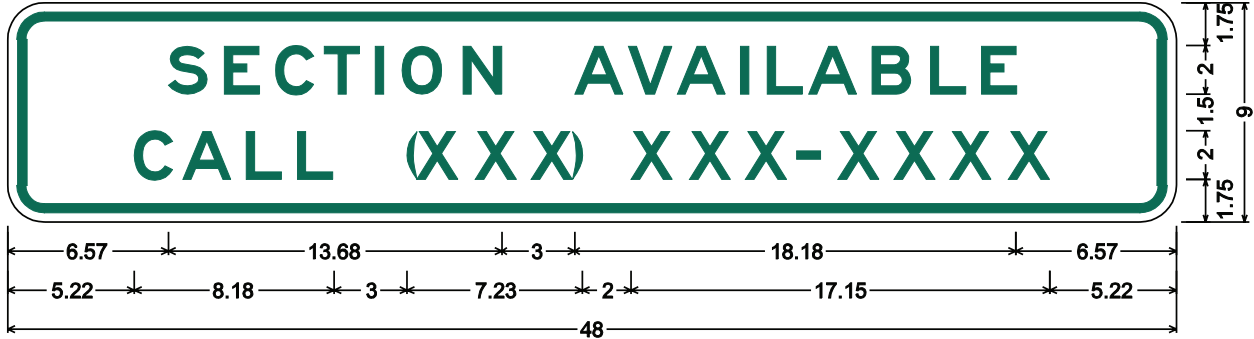
Table of letter and object lefts.

A*	N*	Y*	N*	A*	M*	E*	G*	R*	O*	U*	P*
4.11	7.29	10.15	15.40	18.26	21.44	24.87	29.62	32.65	35.52	38.67	41.70

\* DIMENSIONS AND SPACING WILL VARY BASED ON GROUP NAME \*



I-10-1-48, I-10-2-48, I-10-2.1-48, I-10-3-48 & I-10-4-48 (A & B)



I-10-2.1-48; 1.50" Radius, 0.38" Border, 0.38" Indent, Green on White;  
 [SECTION] E 150% spacing; [AVAILABLE] E 150% spacing; [CALL] E 150% spacing;  
 [(XXX)] E 150% spacing; [XXX-XXXX] E 150% spacing;

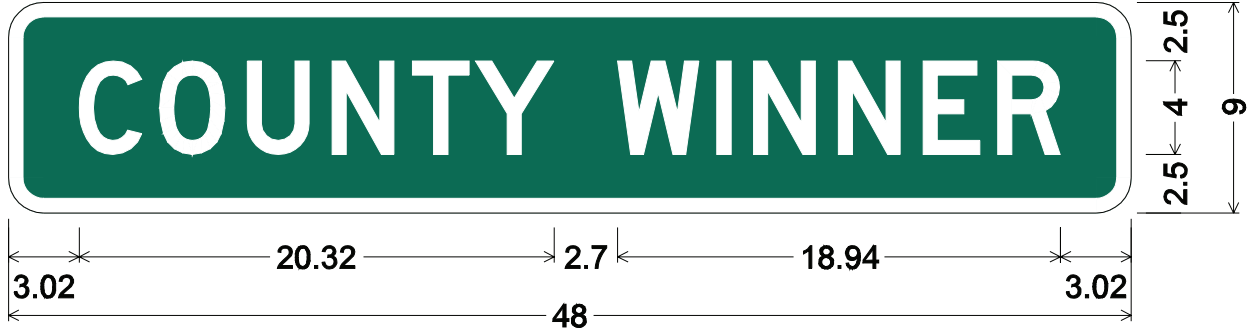
Table of letter and object lefts.

S	E	C	T	I	O	N	A	V	A	I	L	A	B	L	E	
6.57	8.93	11.02	13.03	15.11	16.23	18.66	23.25	25.46	27.48	30.10	31.22	32.89	35.51	37.88	39.96	
C	A	L	L	(	X	X	X	)	X	X	X	-	X	X	X	X
5.22	7.23	9.84	11.93	16.40	16.82	19.16	21.49	23.21	25.63	27.96	30.30	32.43	34.05	36.39	38.72	41.06



I-10-1-48, I-10-2-48, I-10-2.1-48, I-10-3-48 & I-10-4-48 (A & B)

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I-10-3-48; 1.50" Radius, 0.63" Border, White on Green;

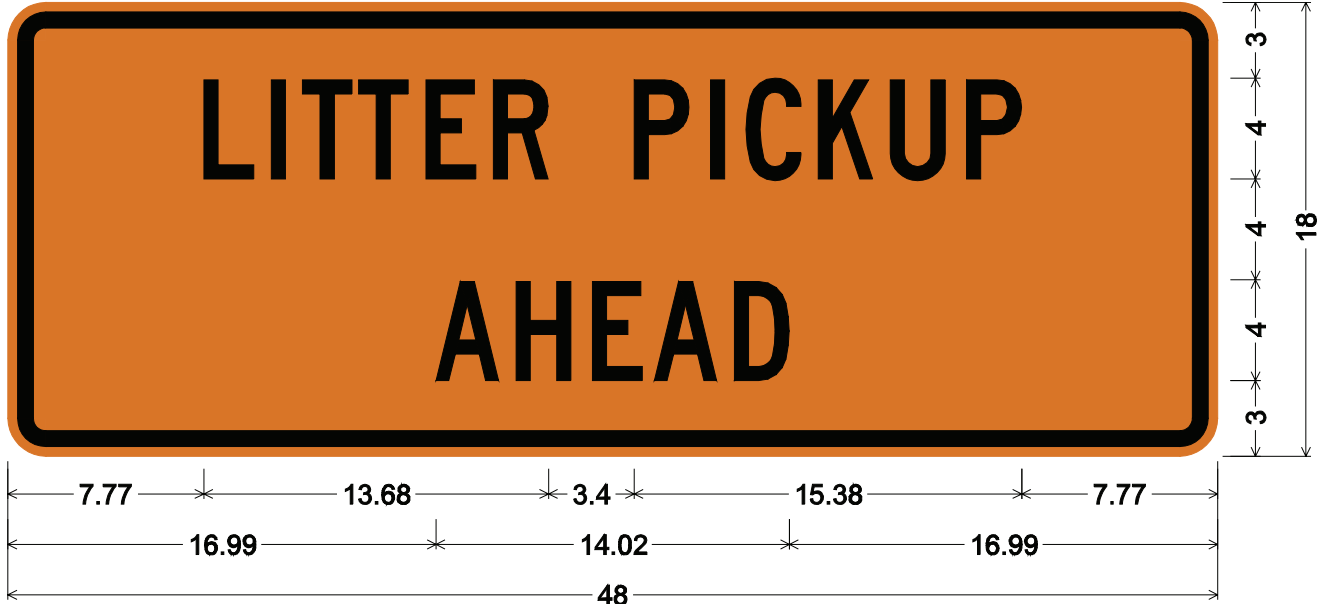
[COUNTY] D; [WINNER] D;

Table of letter and object lefts.

C	O	U	N	T	Y
3.02	6.46	10.21	13.84	17.27	19.96
W	I	N	N	E	R
26.04	30.29	31.85	35.48	39.10	42.29



I-10-1-48, I-10-2-48, I-10-2.1-48, I-10-3-48 & I-10-4-48 (A & B)



I-10-4-48 (Layout B); 1.50" Radius, 0.63" Border, 0.38" Indent, Black on Orange;  
[LITTER] C; [PICKUP] C; [AHEAD] C;

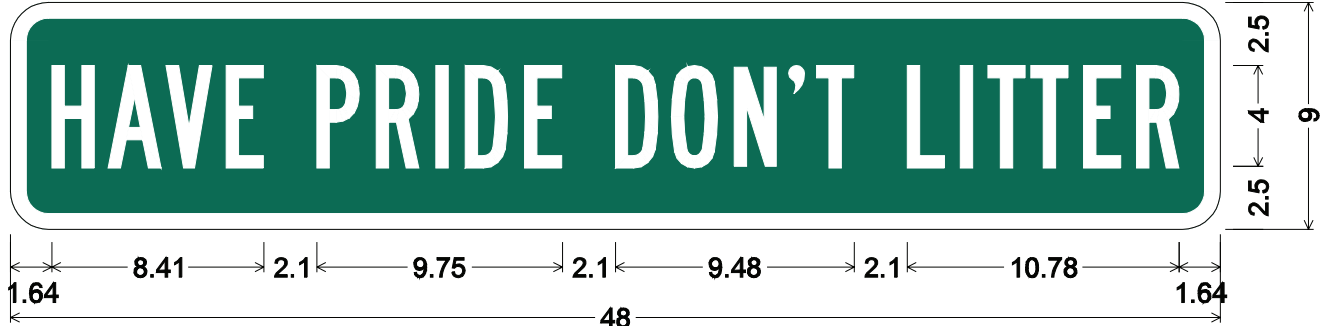
Table of distances between letter and object lefts.

7.77	L	I	T	T	E	R	P	I	C	K	U	P	7.77
2.68	1.24	2.22	2.68	2.67	5.59	3.03	1.40	2.87	2.86	3.03	2.19		
16.99	A	H	E	A	D	16.99							
3.17	3.03	2.46	3.17	2.19									

SEE LAYOUT "A" FOR SIGN DESIGN WHEN CLOSED



I-10-1-48, I-10-2-48, I-10-2.1-48, I-10-3-48 & I-10-4-48 (A & B)



I-10-4-48 (Layout A); 1.50" Radius, 0.63" Border, White on Green;  
 [HAVE] B 90% spacing; [PRIDE] B 90% spacing; [DON'T] B 90% spacing; [LITTER] B;  
 Table of distances between letter and object lefts.

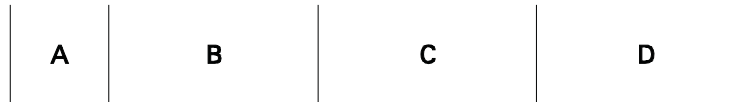
1.64	H	A	V	E	P	R	I	D	E	D	O	N	'	T
	2.22	2.31	2.38	3.60	2.36	2.36	1.17	2.36	3.60	2.23	2.48	2.23	1.04	
	L	I	T	T	E	R								
	3.60	2.10	1.10	1.70	2.10	2.10	1.68	1.64						

SEE LAYOUT "B" FOR SIGN DESIGN WHEN OPEN

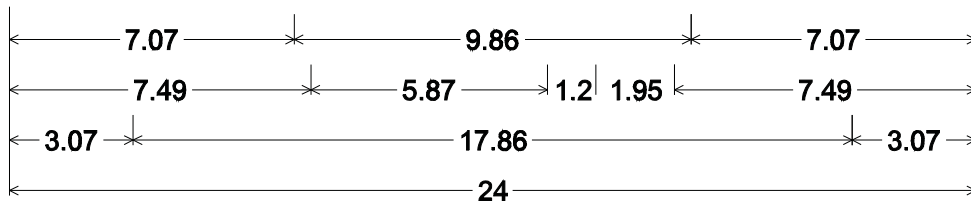


# I-28-1-24

For the purpose of inventory all SCDOT buildings are numbered. Sign number I-28-1-24 is used for this purpose and should be prominently displayed on or near the building.



SEE BELOW FOR DIGIT INTERPRETATION



I-28-1-24; 1.50" Radius, 0.44" Border, 0.38" Indent, Black on White;  
 SCDOT Logo (Blue); [BUILDING] D; [NO.] D; [5260403] D;  
 Table of distances between letter and object lefts.

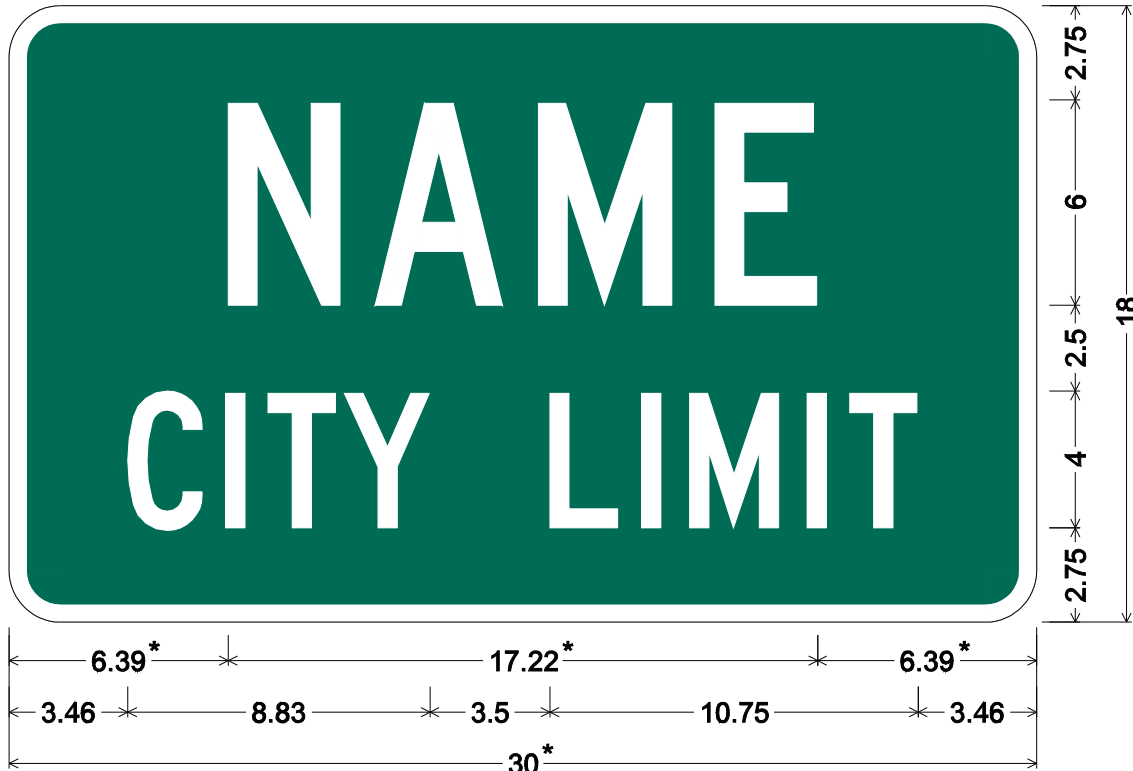
7.07		9.86	7.07									
7.49	<b>B</b>	<b>U</b>	<b>I</b>	<b>L</b>	<b>D</b>	<b>I</b>	<b>N</b>	<b>G</b>	<b>N</b>	<b>O</b>	.	7.49
3.07	<b>5</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>3</b>					
	0.90	0.91	0.39	0.80	0.90	0.39	0.91	1.87	0.91	0.89	0.15	
	2.58	2.58	2.57	2.68	2.76	2.67	2.02	3.07				

## DIGIT INTERPRETATION

- A - DISTRICT (1-7)
- B - COUNTY (01-46)
- C - SITE NUMBER (01-99)
- D - BUILDING NUMBER WITHIN SITE (01-99)

## I-2.4 & I-2.5

A City Limit sign (I-2.4) or Town Limit sign (I-2.5) is intended to be erected facing traffic entering an incorporated place at or near the point where the corporation limit crosses the road. The sign with the appropriate message should be used based upon whether the municipality is incorporated as a city or town. The width of the sign depends upon the city or town name.



I-2.4; 1.50" Radius, 0.50" Border, White on Green;

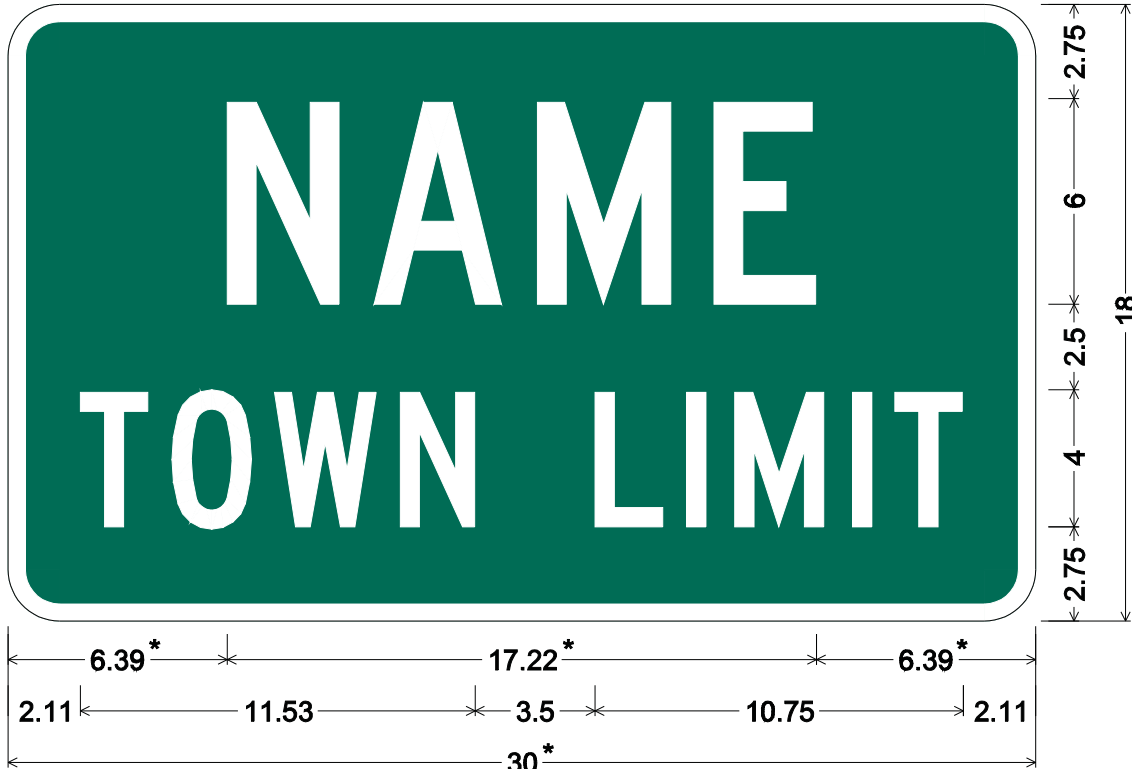
[NAME] C; [CITY] C; [LIMIT] C;

Table of distances between letter and object lefts.

*	N*	A*	M*	E*	*					
6.39	4.30	4.76	5.16	3.00	6.39					
3.46	C	I	T	Y	L	I	M	I	T	3.46
	2.86	1.24	2.23	6.00	2.67	1.41	3.43	1.24	2.00	

\* DIMENSIONS AND SPACING WILL VARY BASED ON CITY NAME \*

# I-2.4 & I-2.5



I-2.5; 1.50" Radius, 0.50" Border, White on Green;

[NAME] C; [TOWN] C; [LIMIT] C;

Table of distances between letter and object lefts.

*	N*	A*	M*	E*	*					
6.39	4.30	4.76	5.16	3.00	6.39					
2.11	T	O	W	N	L	I	M	I	T	2.11
	2.68	2.98	3.68	5.69	2.67	1.41	3.43	1.24	2.00	

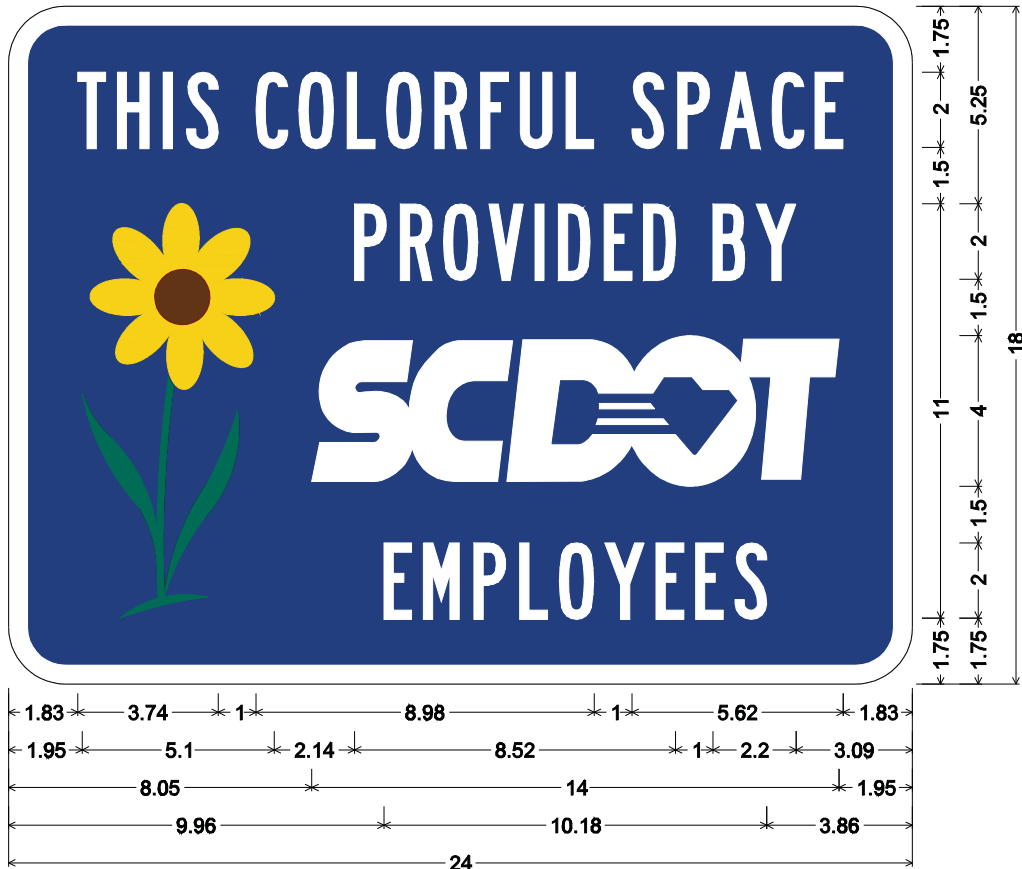
\* DIMENSIONS AND SPACING WILL VARY BASED ON TOWN NAME \*





# I-21-1-24

When maintenance employees sponsor the beautification of a median or roadside area, I-21-1-24 may be used to acknowledge their efforts.



I-21-1-24; 1.50" Radius, 0.50" Border, White on Blue;  
 [THIS] B; [COLORFUL] B; [SPACE] B; [PROVIDED] B; [BY] B; SCDOT Logo;  
 [EMPLOYEES] B;

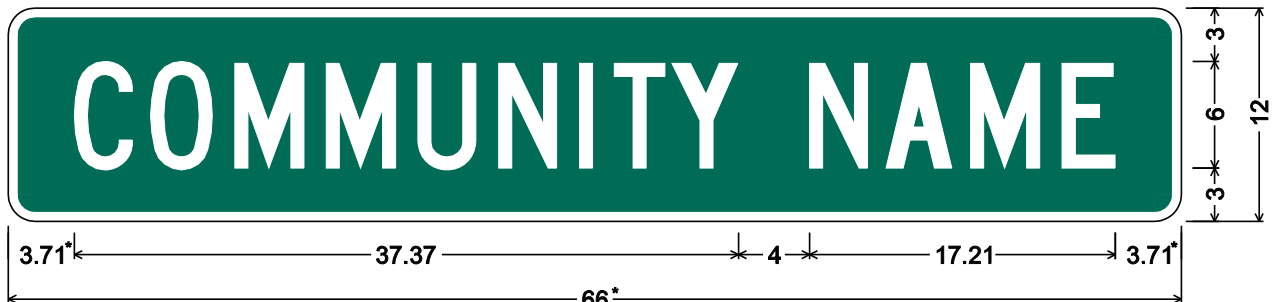
Table of distances between letter and object lefts.

1.83	T	H	I	S	C	O	L	D	R	F	U	L
1.83	1.05	1.22	0.62	1.85	1.14	1.28	1.05	1.28	1.21	1.05	1.22	
		S	P	A	C	E						
	1.75	1.22	1.14	1.36	1.15	0.75	1.83					
1.95	█	P	R	O	V	I	D	E	D	B	Y	
1.95	7.24	1.21	1.15	1.20	1.22	0.63	1.21	1.05	1.85	1.14	1.06	3.09
8.05	█											
8.05	14.00	1.95										
9.96	E	N	P	L	O	Y	E	E	S			
9.96	1.05	1.35	1.21	1.05	1.21	1.36	1.05	1.05	0.85	3.86		

## I-2.6

The following criteria should be met before installing a community sign.

1. If an unincorporated area appears on the state or county map, signing may be provided.
2. The sign will indicate only the name of the community.
3. An unincorporated area not appearing on the state or county map will be eligible for signing upon written request from the county. Such requests shall be accompanied by evidence supporting the need for signs.
  - a) There shall be clearly identifiable localized development.
  - b) The community must lie on or along a state road.
  - c) The community has historical, cultural, or educational places of interest.
  - d) A post office, railroad station, water tower or similar structure bearing the place name exists in the community.
  - e) The community must not be located within an incorporated area.



I-2.6; 1.50" Radius, 0.50" Border, White on Green;

[COMMUNITY] C; [NAME] C;

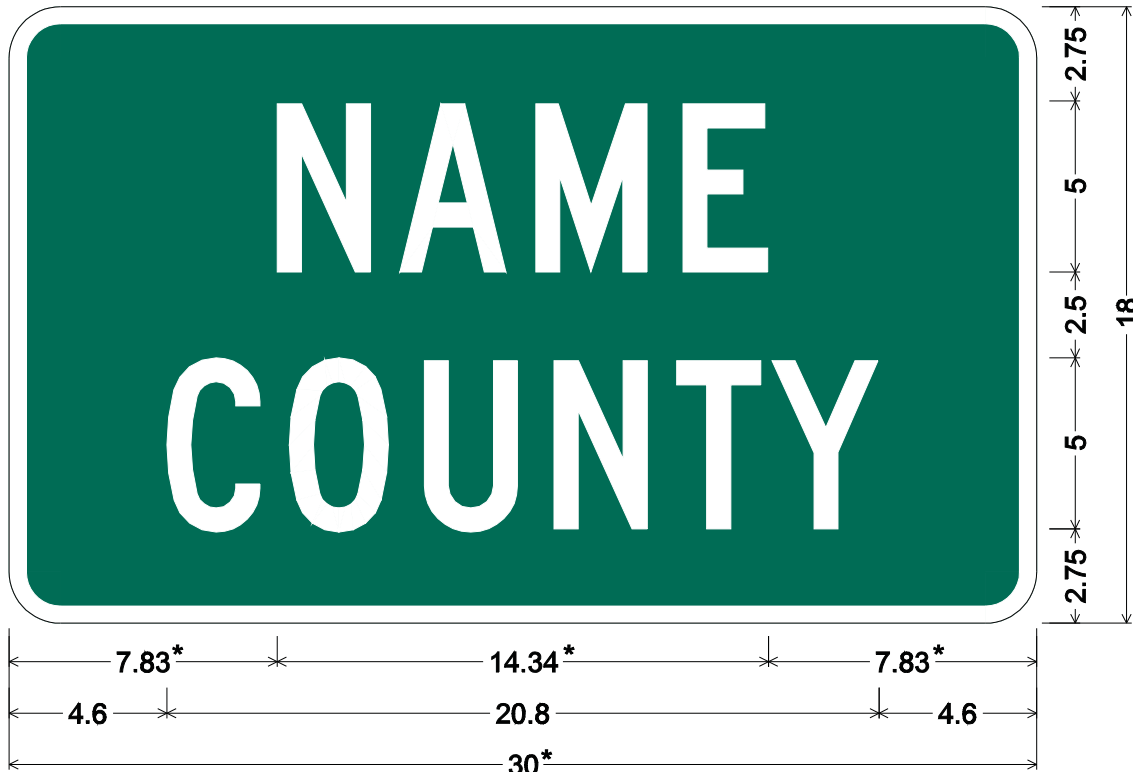
Table of distances between letter and object lefts.

	C	O	M	M	U	N	I	T	Y	N	A	M	E	
3.71	4.29	4.74	5.15	5.15	4.55	4.54	1.86	3.34	7.75	4.29	4.77	5.15	3.00	3.71

**\* DIMENSIONS AND SPACING WILL VARY BASED ON COMMUNITY NAME \***

## I-2.3

I-2.3 is to be installed at the county line to indicate the county motorists are entering. The width of the sign depends on the county name.



I-2.3; 1.50" Radius, 0.50" Border, White on Green;

[NAME] C; [COUNTY] C;

Table of distances between letter and object lefts.

*	N*	A*	M*	E*	*		
7.83	3.58	3.97	4.29	2.50	7.83		
4.60	C	O	U	N	T	Y	4.60
	3.58	3.94	3.79	3.58	2.78	3.13	

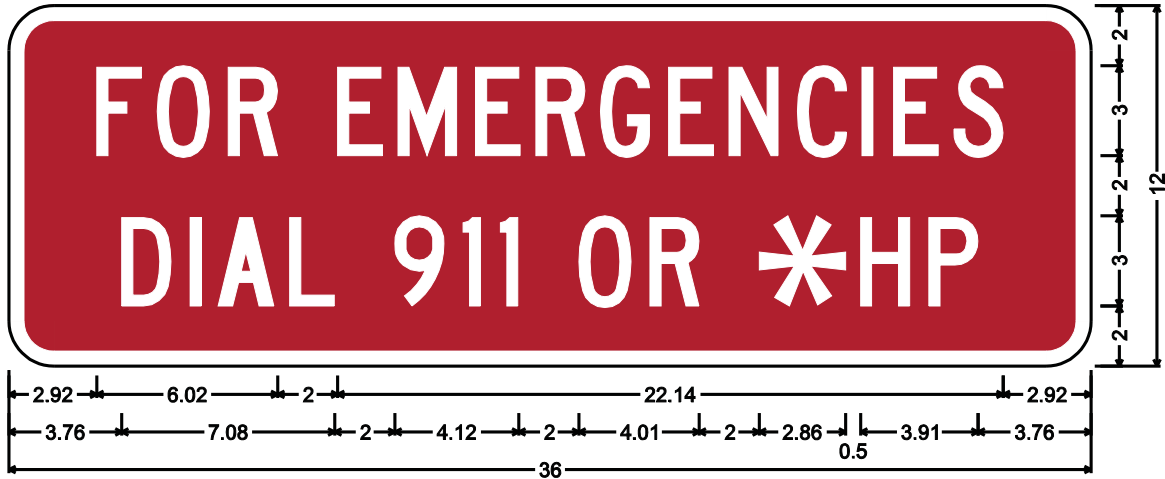
\* DIMENSIONS AND SPACING WILL VARY BASED ON COUNTY NAME \*



Information Signs — Emergency Contact Information  
Law Enforcement Information

I-26-1A-36, I-26-1A-72, I-26-2-30, I-26-2-72, I-26-2.1-30 & I-26-2.1-72

The I-26 series of signs are designed to provide emergency contact information and law enforcement information within Welcome Centers and Rest Areas.



I-26-1a-36; 1.50" Radius, 0.50" Border, White on Red;

[FOR] C; [EMERGENCIES] C; [DIAL] C; [911] C; [OR] C; [\*] Univers ATT; [HP] C;

Table of distances between letter and object lefts.

2.92	F	O	R	E	M	E	R	G	E	N	C	I	E	S	2.92
	2.01	2.37	3.64	2.00	2.58	2.01	2.15	2.27	2.00	2.28	2.14	1.06	2.00	1.65	
3.76	D	I	A	L	9	1	1	0	R	*	H	P			
	2.27	0.93	2.38	3.50	2.27	1.24	2.61	2.37	3.64	3.36	2.27	1.64	3.76		



Information Signs — Emergency Contact Information  
Law Enforcement Information

I-26-1A-36, I-26-1A-72, I-26-2-30, I-26-2-72, I-26-2.1-30 & I-26-2.1-72



I-26-1a-72; 1.50" Radius, 0.50" Border, White on Red;

[FOR] C; [EMERGENCIES] C; [DIAL] C; [911] C; [OR] C; [\*] Univers ATT; [HP] C;

Table of distances between letter and object lefts.

	F	O	R	E	M	E	R	G	E	N	C	I	E	S	
5.85	4.01	4.74	7.28	4.01	5.15	4.02	4.29	4.55	4.01	4.54	4.30	2.11	4.01	3.28	5.85
	D	I	A	L	9	1	1	0	R	*	H	P			
7.51	4.54	1.86	4.77	7.00	4.54	2.48	5.22	4.73	7.28	6.73	4.55	3.28	7.51		



Information Signs — Emergency Contact Information  
Law Enforcement Information

I-26-1A-36, I-26-1A-72, I-26-2-30, I-26-2-72, I-26-2.1-30 & I-26-2.1-72



I-26-2-30; 1.50" Radius, 0.50" Border, White on Red;

[WELCOME] C; [CENTER] C; [PATROLLED] C; [BY] C; [LAW] C; [ENFORCEMENT] C;

Table of distances between letter and object lefts.

5.14	W	E	L	C	O	M	E	C	E	N	T	E	R	5.14	
1.84	1.34	1.34	1.43	1.58	1.72	2.50	1.43	1.33	1.44	1.33	1.34	1.10	5.14		
2.55	P	A	T	R	O	L	L	E	D	B	Y	2.55			
2.15	2.04	2.01	2.15	2.36	2.01	2.01	2.00	4.15	2.14	1.88	2.55				
4.53	L	A	W	E	N	F	O	R	C	E	M	E	N	T	4.53
1.12	1.36	3.00	1.34	1.51	1.34	1.58	1.43	1.43	1.34	1.72	1.33	1.44	1.00	4.53	



Information Signs — Emergency Contact Information  
Law Enforcement Information

I-26-1A-36, I-26-1A-72, I-26-2-30, I-26-2-72, I-26-2.1-30 & I-26-2.1-72



I-26-2-72; 1.50" Radius, 0.75" Border, White on Red;

[WELCOME] C; [CENTER] C; [PATROLLED] C; [BY] C; [LAW] C; [ENFORCEMENT] C;

Table of distances between letter and object lefts.

6.68	W	E	L	C	O	M	E	C	E	N	T	E	R	6.68
5.52	4.01	4.01	4.30	4.73	5.16	7.00	4.29	4.01	4.30	4.01	4.01	3.29		
7.55	P	A	T	R	O	L	L	E	D	B	Y			
5.01	4.77	4.68	5.01	5.52	4.68	4.69	4.68	8.48	5.01	4.37	7.55			
4.85	L	A	W	E	N	F	O	R	C	E	M	E	N	T
3.34	4.09	8.50	4.01	4.55	4.01	4.73	4.30	4.29	4.02	5.15	4.01	4.30	3.00	4.85



Information Signs — Emergency Contact Information  
Law Enforcement Information

I-26-1A-36, I-26-1A-72, I-26-2-30, I-26-2-72, I-26-2.1-30 & I-26-2.1-72



I-26-2.1-30; 1.50" Radius, 0.50" Border, White on Red;  
[REST] C; [AREA] C; [PATROLLED] C; [BY] C; [LAW] C; [ENFORCEMENT] C;  
Table of distances between letter and object lefts.

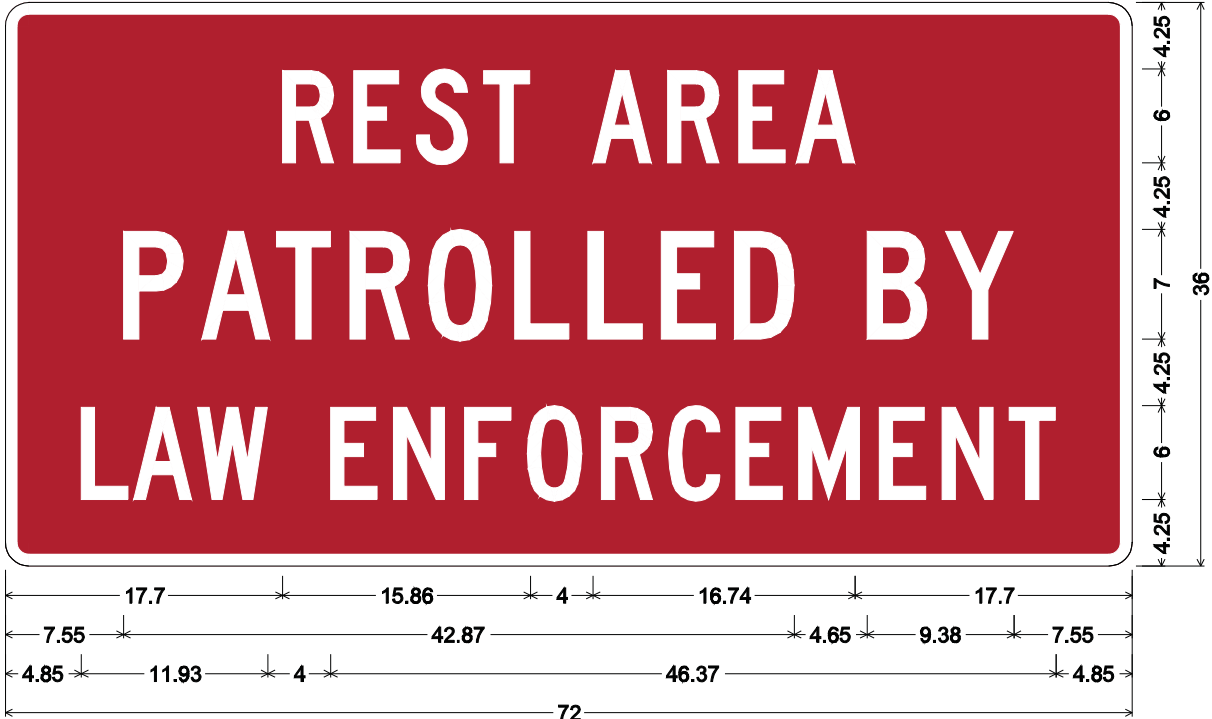
8.82	R	E	S	T	A	R	E	A	8.82						
2.55	P	A	T	R	O	L	L	E	D	B	Y	2.55			
4.53	L	A	W	E	N	F	O	R	C	E	M	E	N	T	4.53





Information Signs — Emergency Contact Information  
Law Enforcement Information

I-26-1A-36, I-26-1A-72, I-26-2-30, I-26-2-72, I-26-2.1-30 & I-26-2.1-72



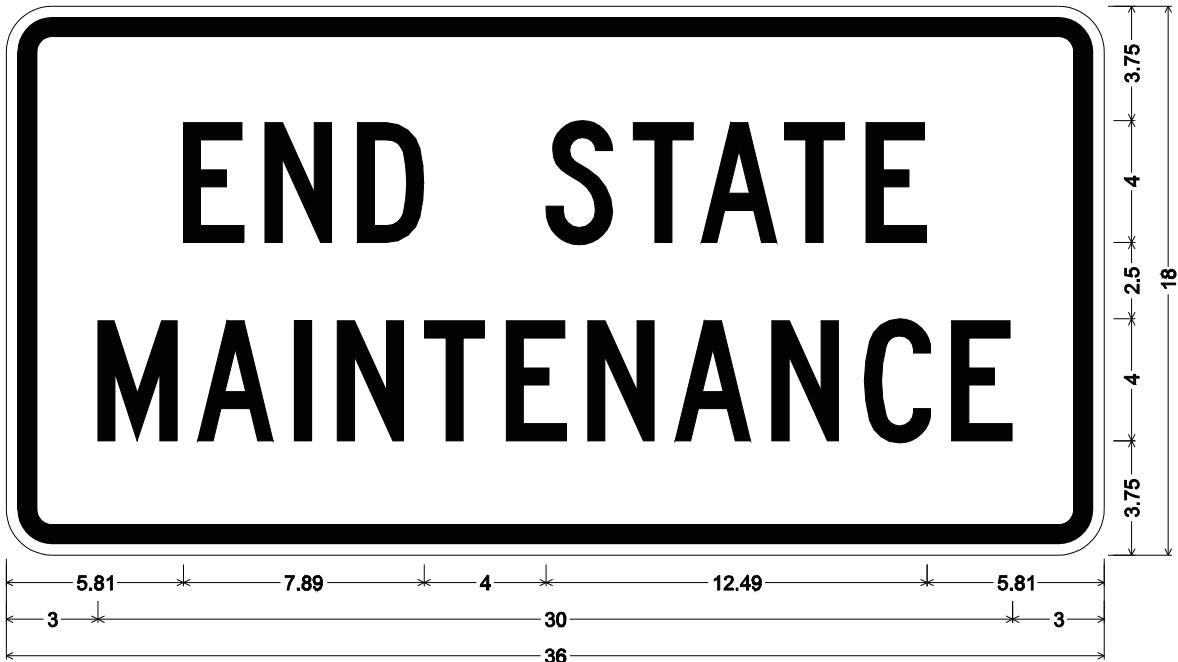
I-26-2.1-72; 1.50" Radius, 0.75" Border, White on Red;  
[REST] C; [AREA] C; [PATROLLED] C; [BY] C; [LAW] C; [ENFORCEMENT] C;  
Table of distances between letter and object lefts.

17.70	R	E	S	T	A	R	E	A	17.70						
4.55	4.01	4.30	7.00	4.76	4.55	3.68	3.75								
7.55	P	A	T	R	O	L	L	E	D	B	Y	7.55			
5.01	4.77	4.68	5.01	5.52	4.68	4.69	4.68	8.48	5.01	4.37					
4.85	L	A	W	E	N	F	O	R	C	E	M	E	N	T	4.85
3.34	4.09	8.50	4.01	4.55	4.01	4.73	4.30	4.29	4.02	5.15	4.01	4.30	3.00		



# I-20-36

The End State Maintenance sign (I-20-36) should be located at the point where the portion of the road on the State Highway System ends but the road continues as a public or private road.



I-20-36; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[END] C; [STATE] C; [MAINTENANCE] C;

Table of letter and object lefts.

E	N	D	S	T	A	T	E			
5.81	8.48	11.51	17.70	20.56	22.79	25.52	28.19			
M	A	I	N	T	E	N	A	N	C	E
3.00	6.27	9.45	10.85	13.72	16.39	19.07	21.93	25.10	28.13	31.00

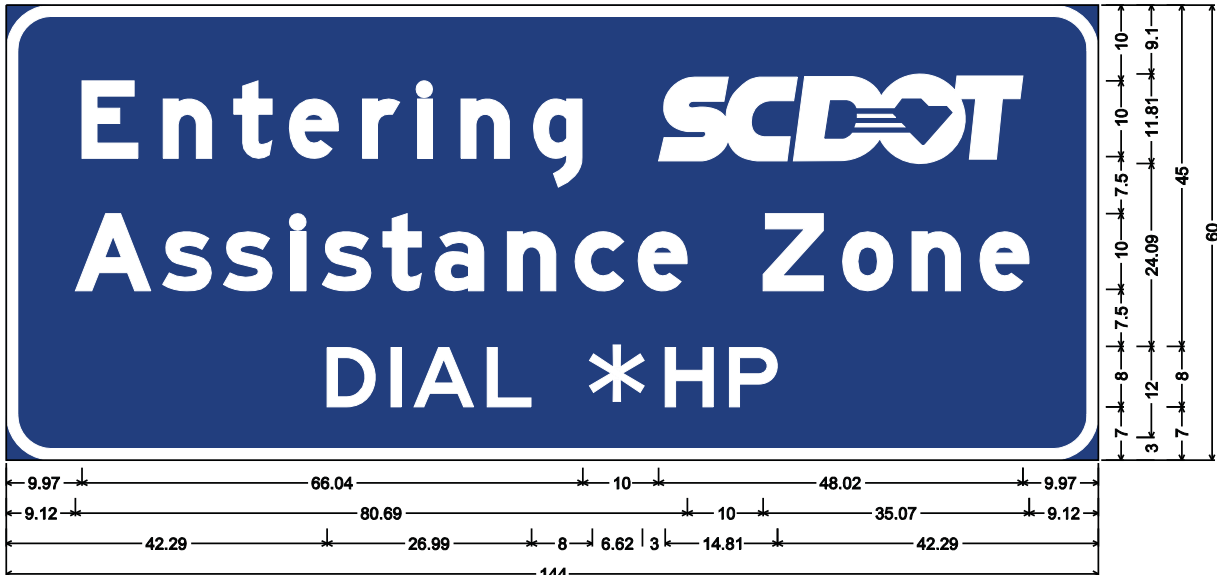






# I-22-1-144 & I-22-2-144

The approximate beginning and end points of the SCDOT Assistance Zones are to be signed using I-22-1-144 and I-22-2-144.



I-22-1-144; 6.00" Radius, 1.50" Border, White on Blue;

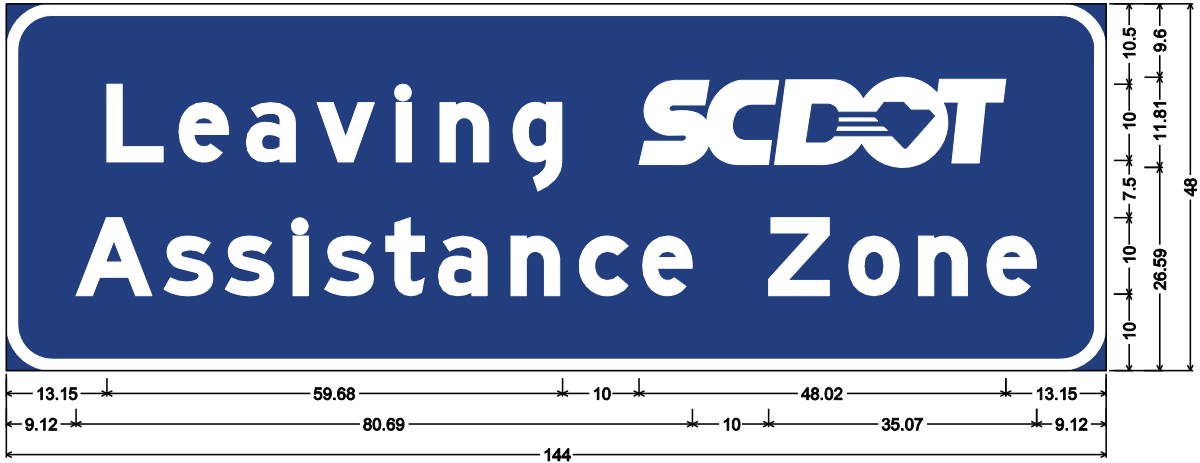
[Entering] E Mod; SCDOT Logo; [Assistance] E Mod 80% spacing; [Zone] E Mod 80% spacing; [DIAL] E; [\*] Tahoma; [HP] E;

Table of distances between letter and object lefts.

9.97	E	n	t	e	r	i	n	g	-	48.02	9.97				
10.70	10.70	9.31	7.33	9.64	7.26	5.74	9.56	16.50	48.02	9.97					
9.12	A	s	s	i	s	t	a	n	c	e	Z	o	n	e	9.12
11.50	11.50	8.01	8.89	4.14	8.01	6.88	9.51	8.95	8.30	16.50	10.48	9.14	8.95	6.50	9.12
42.29	D	I	A	L	*	H	P	42.29							
8.44	8.44	3.02	9.65	13.88	9.62	8.43	6.38	42.29							



# I-22-1-144 & I-22-2-144



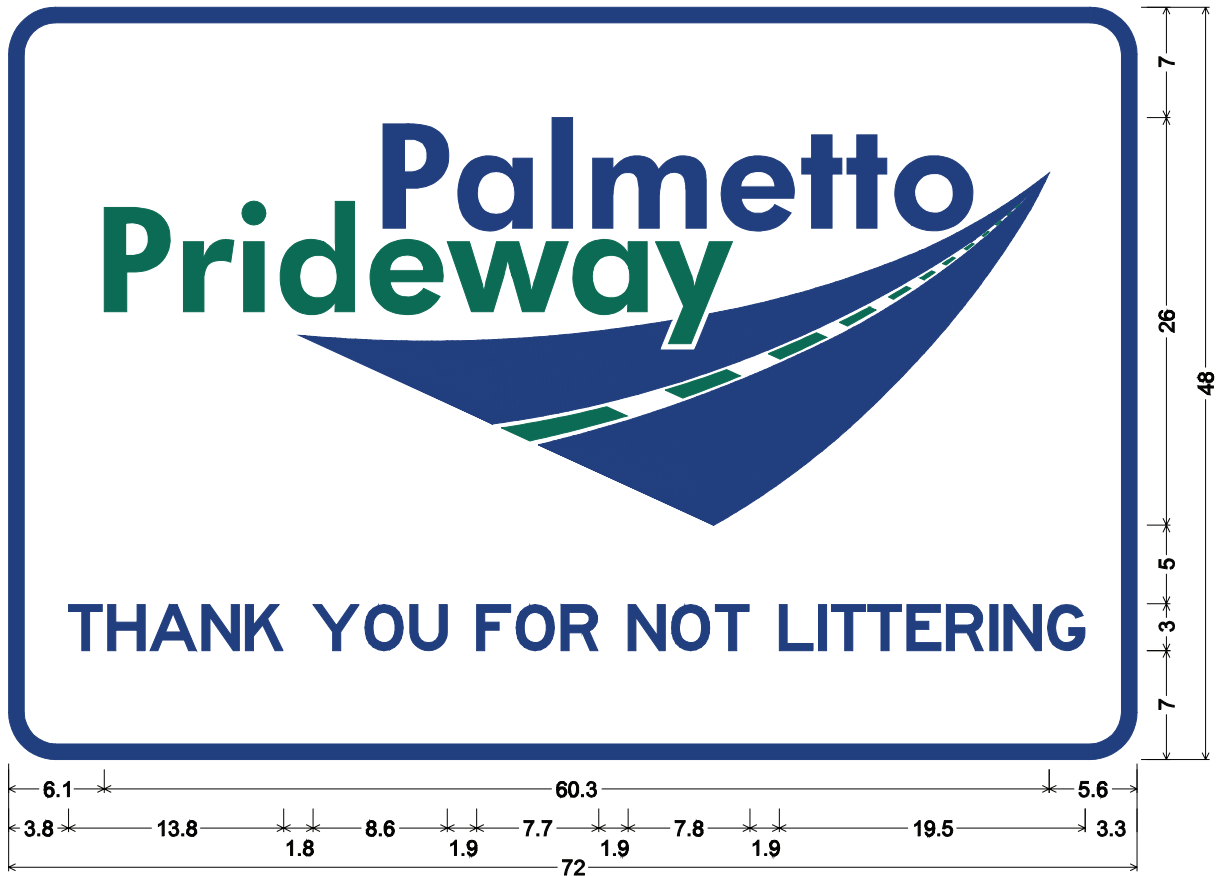
I-22-2-144; 6.00" Radius, 1.50" Border, White on Blue;  
 [Leaving] E Mod; SCDOT Logo; [Assistance] E Mod 80% spacing; [Zone] E Mod 80% spacing;  
 Table of distances between letter and object lefts.

13.15	L	e	a	v	l	n	g	—	13.15						
	9.45	8.83	9.24	10.36	5.73	9.57	16.50	48.02							
9.12	A	s	s	i	s	t	a	n	c	e	z	o	n	e	9.12
	11.50	8.01	8.89	4.14	8.01	6.88	9.51	8.95	8.30	16.50	10.48	9.14	8.95	6.50	




# I-10-5-72 & I-10-5.1-72

The SCDOT has partnered with the Governor’s Council on Beautification and Litter and the Department of Corrections in an effort to reduce litter on the interstate system. In recognition of businesses for their financial contributions to this effort, the SCDOT allows the installation of sponsor names with Palmetto Prideway signs on the interstate. The primary sign used is I-10-5-72 and the business name plaque is I-10-5.1-72. [Engineering Directive Memorandum 40](#) provides more information concerning acknowledgement signs.



I-10-5-72; 3.0" Radius, 1.0" Border, Blue on White;  
[THANK YOU FOR NOT LITTERING] E 50% spacing;  
Table of distances between letter and object lefts.

6.1		60.3	5.6
-----	---	------	-----

3.8	T	H	A	N	K	Y	O	U	F	O	R	N	O	T	L	I	T	T	E	R	I	N	G	3.3
3.8	2.5	2.7	3.3	2.8	4.3	3.3	2.9	4.3	2.5	2.9	4.2	2.8	2.8	4.1	2.5	0.8	2.3	2.5	2.5	2.8	0.9	2.8	2.4	3.3

"Palmetto" and Roadway - Hwy Blue

"Prideway" and Lane Lines - Hwy Green



# I-10-5-72 & I-10-5.1-72



I-10-5.1-72; 3.0" Radius, 1.0" Border, White on Green;

[Business Name] D;

Table of distances between letter and object lefts.

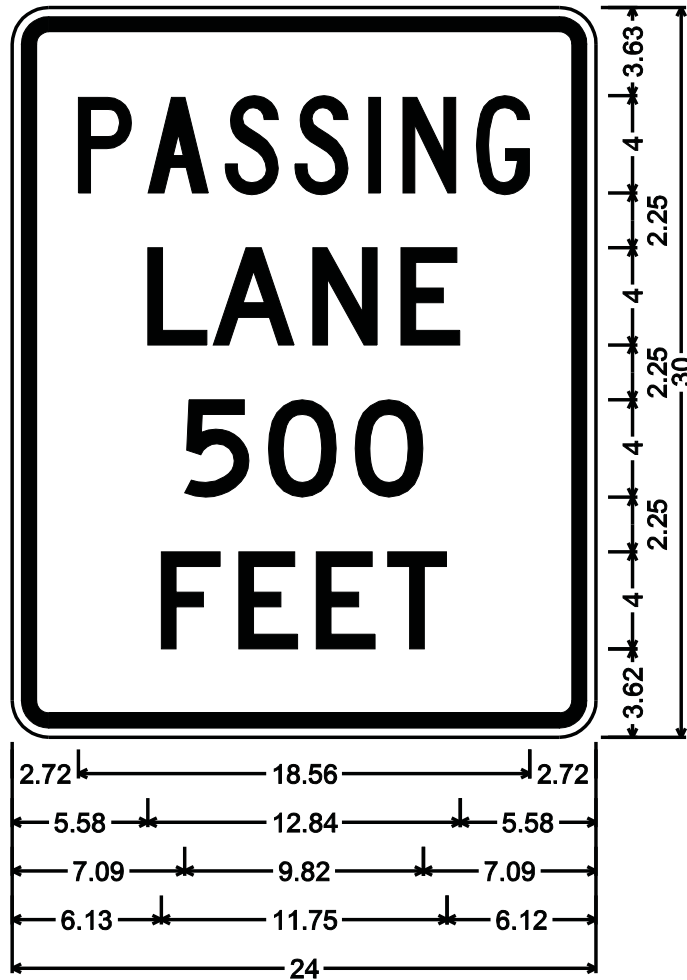
*	B*	u*	s*	i*	n*	e*	s*	s*	N*	a*	m*	e*	*
3.7	5.9	4.8	4.9	2.9	4.9	4.4	4.3	10.9	5.7	5.3	7.2	3.4	3.7

\* DIMENSIONS AND SPACING WILL VARY BASED ON BUSINESS NAME \*



# I-40-24

This sign is used when advising motorists of a passing lane constructed on a normally two-lane facility.



I-40-24;

1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[PASSING] C; [LANE] D; [500] D;

[FEET] D;

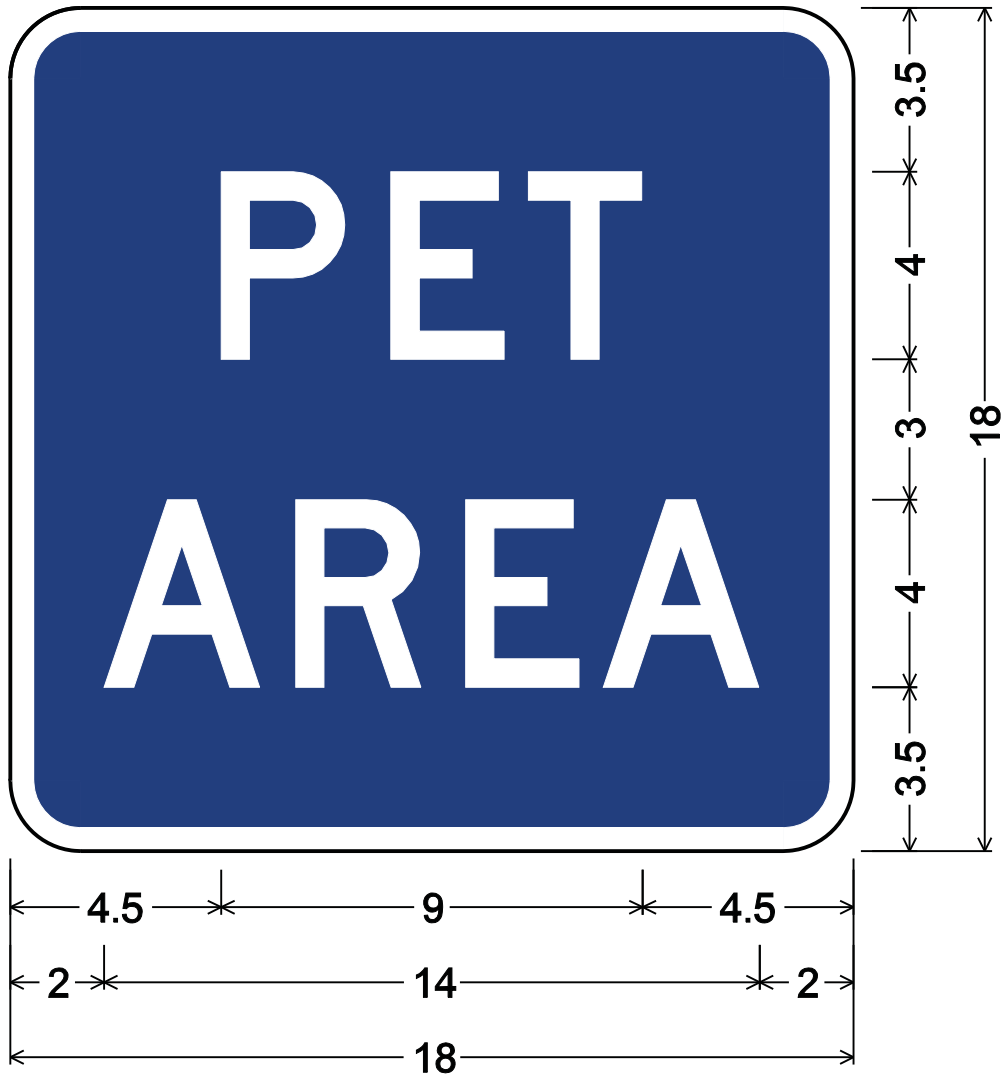
Table of distances between letter and object lefts.

2.72	P	A	S	S	I	N	G	2.72
2.87	2.87	3.17	2.87	3.02	1.41	3.03	2.19	
5.58	L	A	N	E	5.58			
2.69	2.69	4.09	3.62	2.44				
7.09	5	0	0	7.09				
3.44	3.44	3.56	2.82					
6.13	F	E	E	T	6.13			
3.18	3.18	3.19	2.94	2.43				



I-50-1-18, I-50-1AL-24, I-50-1AR-24 & I-50-2-24

These signs may be used in Rest Areas or Welcome Centers to designate a pet comfort area.



I-50-1-18; 1.5" Radius, 0.5" Border, White on Blue;

[PET] D; [AREA] D;

Table of distances between letter and object lefts.

	<b>P</b>	<b>E</b>	<b>T</b>		
4.5	3.6	3.0	2.4	4.5	
	<b>A</b>	<b>R</b>	<b>E</b>	<b>A</b>	
2.0	4.1	3.6	3.0	3.3	2.0



I-50-1-18, I-50-1AL-24, I-50-1AR-24 & I-50-2-24



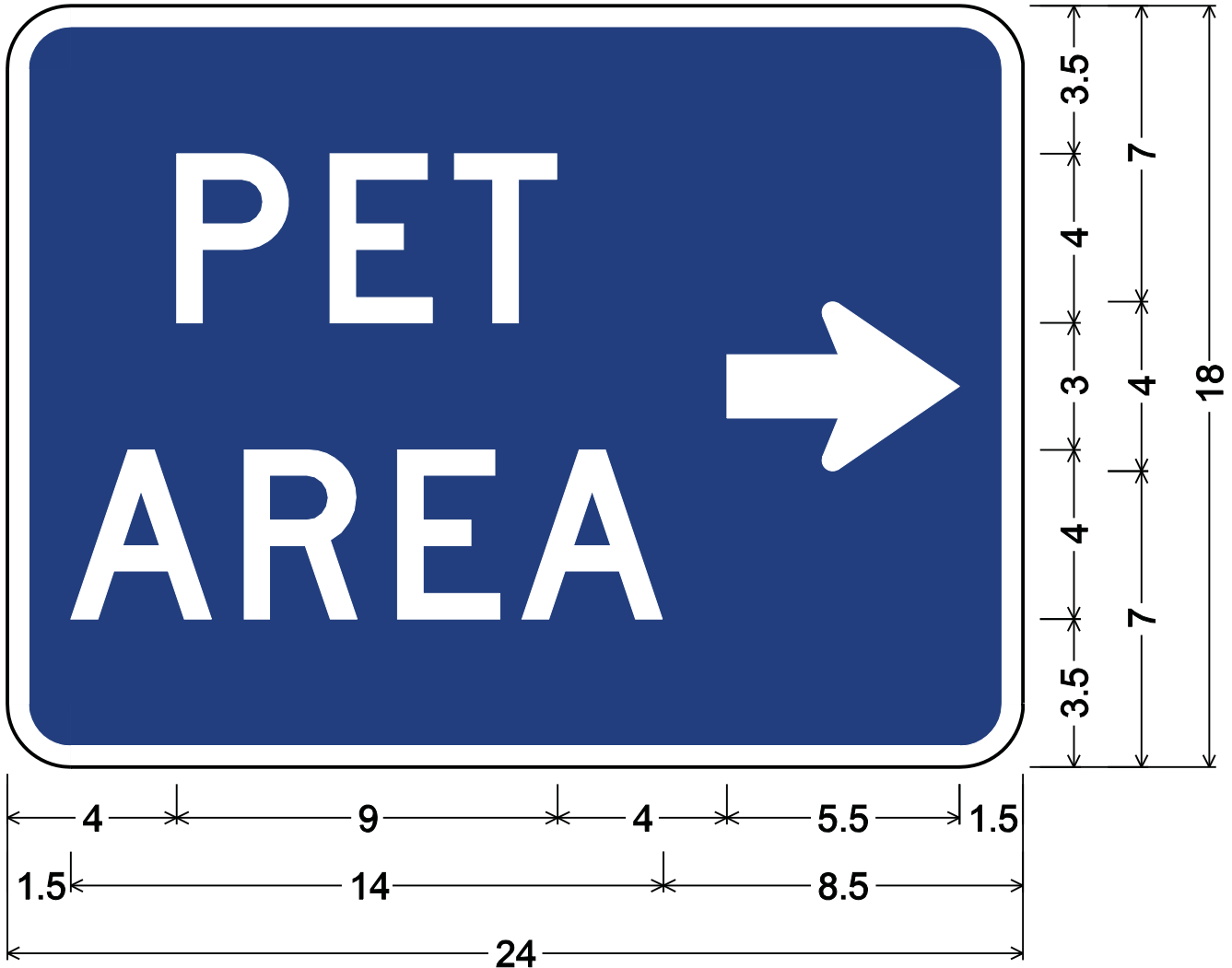
I-50-1AL-24; 1.5" Radius, 0.5" Border, White on Blue;  
 Standard Arrow Custom 0.0" X 4.0" 180°; [PET] D;  
 [AREA] D;

Table of distances between letter and object lefts.

	<b>←</b>	<b>P</b>	<b>E</b>	<b>T</b>	
1.5	9.5	3.6	3.0	2.4	4.0
	<b>A</b>	<b>R</b>	<b>E</b>	<b>A</b>	
8.5	4.1	3.6	3.0	3.3	1.5



I-50-1-18, I-50-1AL-24, I-50-1AR-24 & I-50-2-24



I-50-1AR-24; 1.5" Radius, 0.5" Border, White on Blue;  
 [PET] D; [AREA] D;  
 Standard Arrow Custom 0.0" X 4.0" 0°;  
 Table of distances between letter and object lefts.

	P	E	T	➔	
4.0	3.6	3.0	6.4	5.5	1.5
	A	R	E	A	
1.5	4.1	3.6	3.0	3.3	8.5



I-50-1-18, I-50-1AL-24, I-50-1AR-24 & I-50-2-24



I-50-2-24; 1.50" Radius, 0.50" Border, White on Blue;

[NO] C; [PETS] C; [ALLOWED] C;

Table of distances between letter and object lefts.

2.81	N	O	P	E	T	S	2.81	
3.03	3.03	5.01	3.03	2.45	2.68	2.18	2.81	
1.97	A	L	L	O	W	E	D	1.97
3.18	2.67	2.68	2.99	3.67	2.68	2.19	1.97	

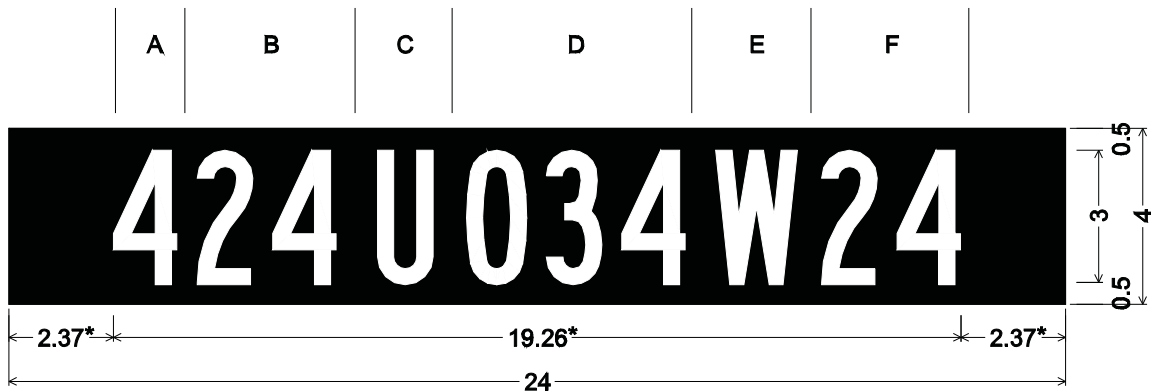


# I-21-4-24 & I-21-5-30

When it is necessary to identify a wildflower or beautification plot I-21-4-24 should be used.

When testing herbicides or other test products, the Test Plot Do Not Mow sign (I-21-5-30) may be used to advise SCDOT crews or contractors to not mow the test section.

SEE BELOW FOR DIGIT INTERPRETATION



1-21-4-24

No Border, Black Background;

[424U034W24] White B;

Table of distances between letter and object lefts.

	4	2	4	U	0	3	4	W	2	4	
2.37*	1.91*	1.71*	2.38*	2.02*	1.81*	1.72*	2.13*	2.41*	1.71*	1.46*	2.37*

\* DIMENSIONS WILL VARY BASED ON NUMBERS & LETTERS USED

**A – DISTRICT NUMBER (1-7)**

**B – COUNTY NUMBER (01-46)**

**C – ROUTE TYPE (I = INTERSTATE, U = US HWY, S = STATE HWY)**

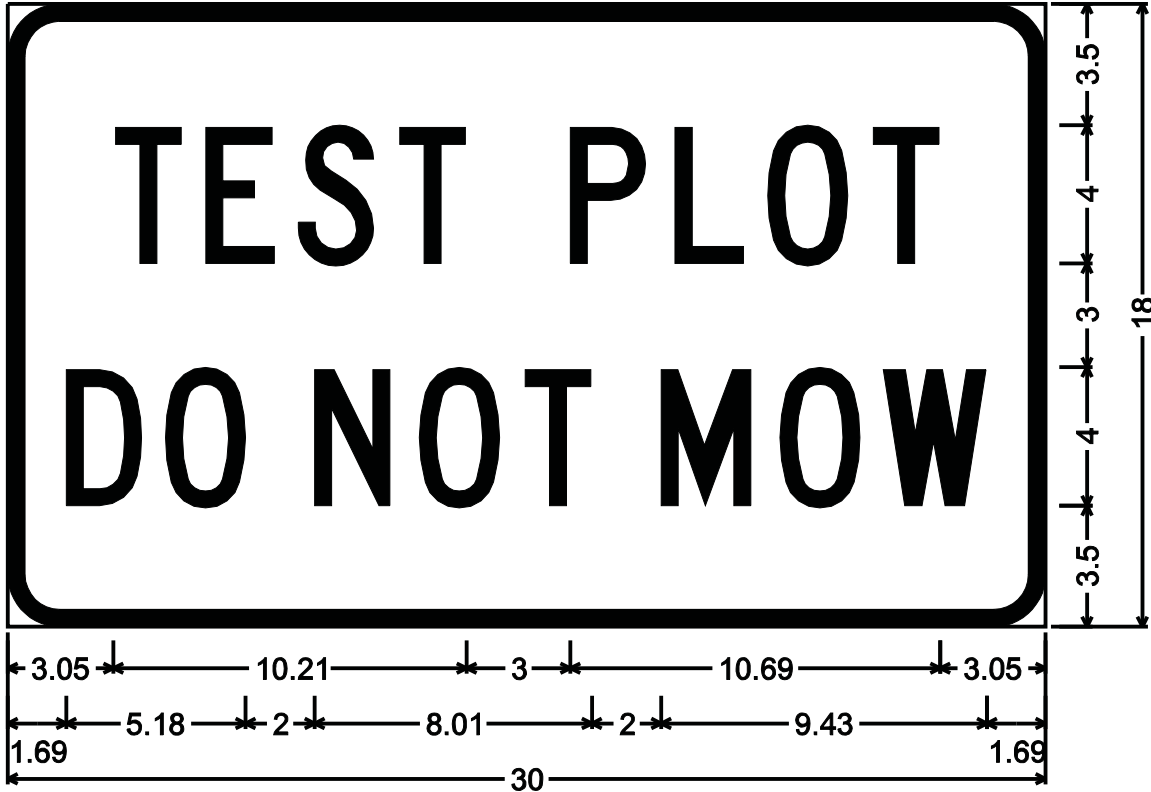
**D – ROUTE NUMBER**

**E – PLOT TYPE (W = WILDFLOWER, L = LANDSCAPE)**

**F – PLOT NUMBER**

I-21-4-24 & I-21-5-30

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I-21-5-30

1.50" Radius, 0.50" Border, Black on White;

[TEST] C; [PLOT] C; [DO] C; [NOT] C; [MOW] C;

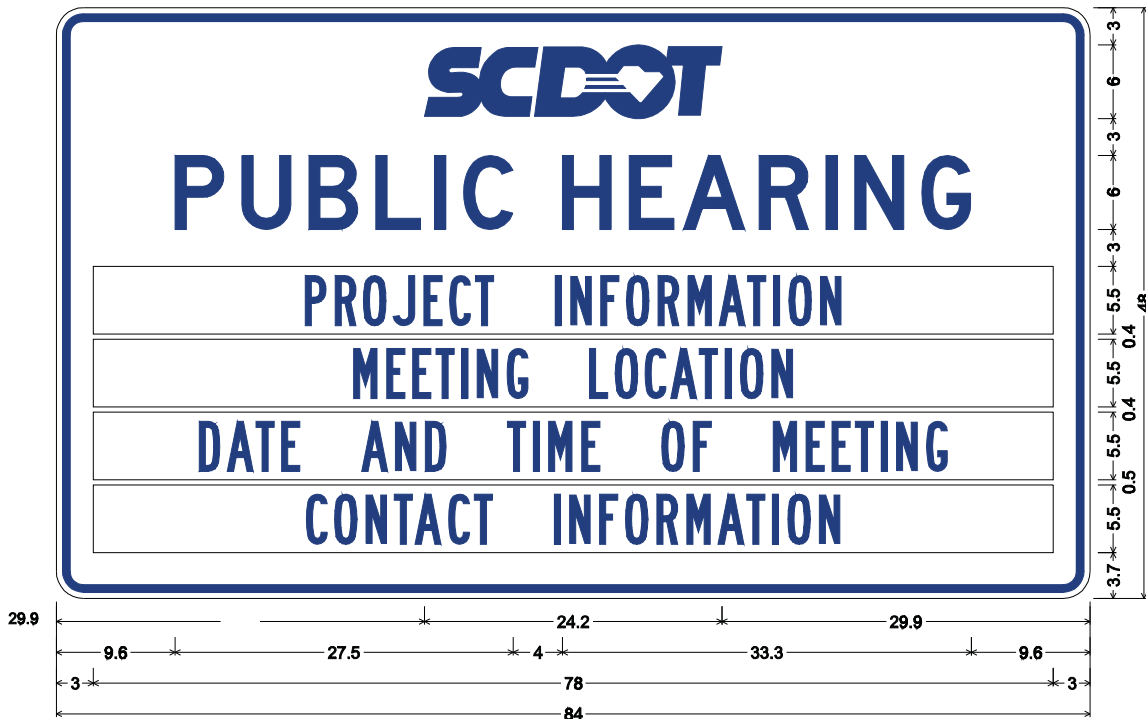
Table of distances between letter and object lefts.

	T	E	S	T	P	L	O	T	
3.05	2.67	2.68	2.86	5.00	3.03	2.68	2.98	2.00	3.05
	D	O	N	O	T	M	O	W	
1.69	2.86	4.32	3.03	2.98	4.00	3.44	2.99	3.00	1.69



# I-25-1-84, I-25-2-84 & I-25-1.1-78

In order to properly inform citizens of upcoming public hearings for construction projects, I-25-1-84 may be used for Public Hearings and I-25-2-84 for Public Information Meetings. The information and proper location of the sign will be provided by the Program Manager responsible for the project. I-25-1.1-78 is fabricated separately so information can be changed as needed.



I-25-1-84; 2.2" Radius, 0.6" Border, 0.5" Indent, Blue on White;  
SCDOT Logo; [PUBLIC HEARING] D; Rectangle White;  
Rectangle White;  
Rectangle White;  
Rectangle White;  
Table of distances between letter and object lefts.

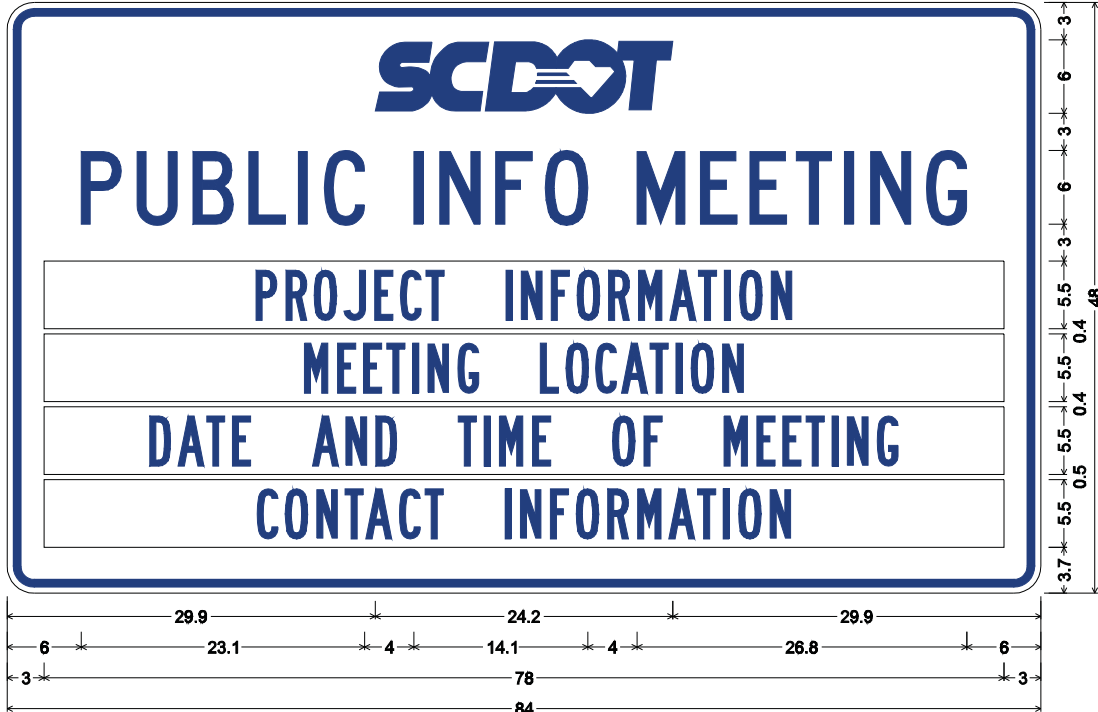
29.9	24.2	29.9															
9.6	5.5	5.4	5.5	4.7	2.4	8.0	5.5	4.4	6.1	5.4	2.4	5.4	4.1	9.6	3.0	78.0	3.0
3.0	78.0	3.0															
3.0	78.0	3.0															
3.0	78.0	3.0															
3.0	78.0	3.0															

\* Lines 3, 4, 5 & 6 are fabricated on separate panels so information can be changed as needed.





# I-25-1-84, I-25-2-84 & I-25-1.1-78



I-25-2-84; 2.2" Radius, 0.6" Border, 0.5" Indent, Blue on White;  
SCDOT Logo; [PUBLIC] C; [INFO] C; [MEETING] C; Rectangle White;  
Rectangle White;  
Rectangle White;  
Rectangle White;

Table of distances between letter and object lefts.

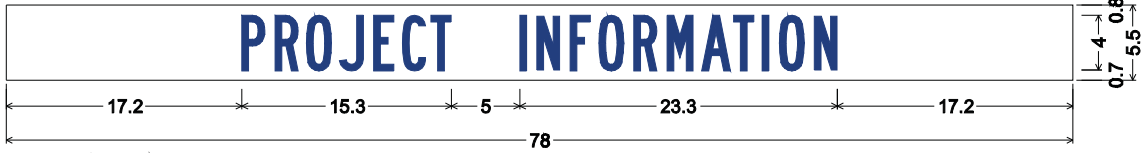
29.9	24.2	29.9																
P	U	B	L	I	C	I	N	F	O	M	E	E	T	I	N	G		
6.0	4.6	4.5	4.6	4.0	2.1	7.3	2.1	4.5	4.0	7.5	5.1	4.1	3.6	4.0	2.2	4.5	3.3	6.0
3.0	78.0	3.0																
3.0	78.0	3.0																
3.0	78.0	3.0																
3.0	78.0	3.0																

\* Lines 3, 4, 5 & 6 are fabricated on separate panels so information can be changed as needed.



# I-25-1-84, I-25-2-84 & I-25-1.1-78

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I-25-1.1-78; No border, White on White;

[PROJECT INFORMATION] Blue B;

Table of distances between letter and object lefts.

	P	R	O	J	E	C	T	I	N	F	O	R	M	A	T	I	O	N	
17.2	2.5	2.3	2.4	2.5	2.1	2.0	6.5	1.3	2.4	2.1	2.6	2.4	2.6	2.3	2.1	1.2	2.6	1.7	17.2

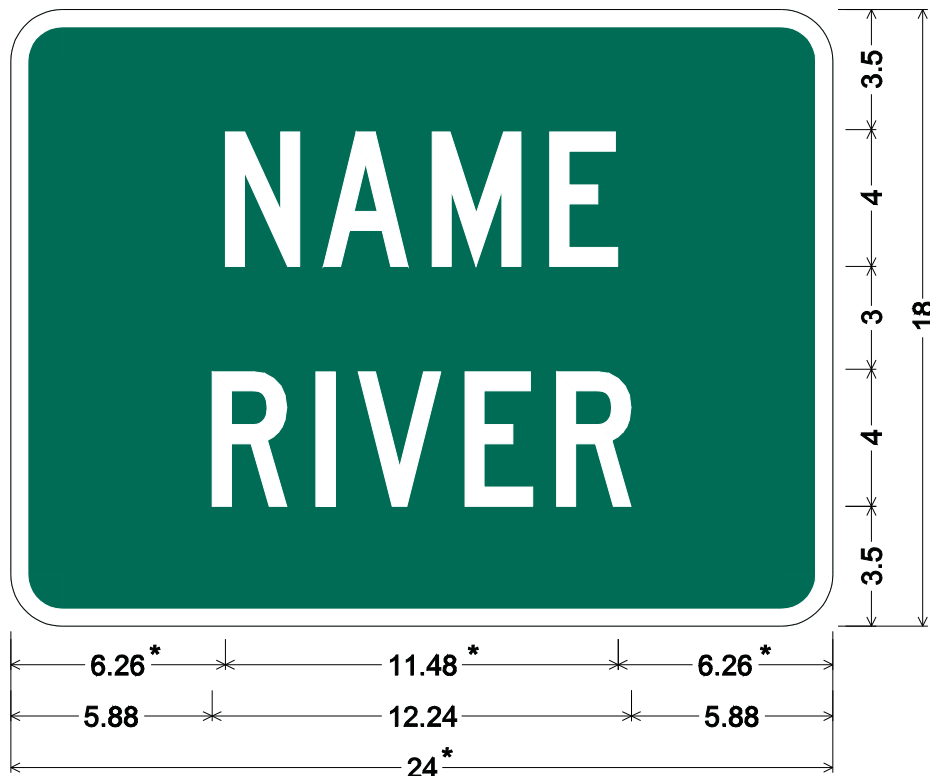
\* This layout also used for:  
MEETING LOCATION,  
DATE AND TIME OF MEETING &  
CONTACT INFORMATION.



# I-3 & I-3.2

A River Sign (I-3) or Creek Sign (I-3.2) is intended for use at all rivers and creeks that are spanned by a structure 50 feet or more in length. They may also be used at other bridges of lesser span when a river or creek is of historical or geographical significance.

Wording other than “creek” or “river” may be used to mark bridges across other bodies of water, e.g. Lake Greenwood, Intercoastal Waterway, Bear Swamp. In this instance an appropriate sign of the destination type (D1-1 or D1-2) should be used and should show only the name of the body of water.



I-3; 1.50" Radius, 0.50" Border, White on Green;

[NAME] C; [RIVER] C;

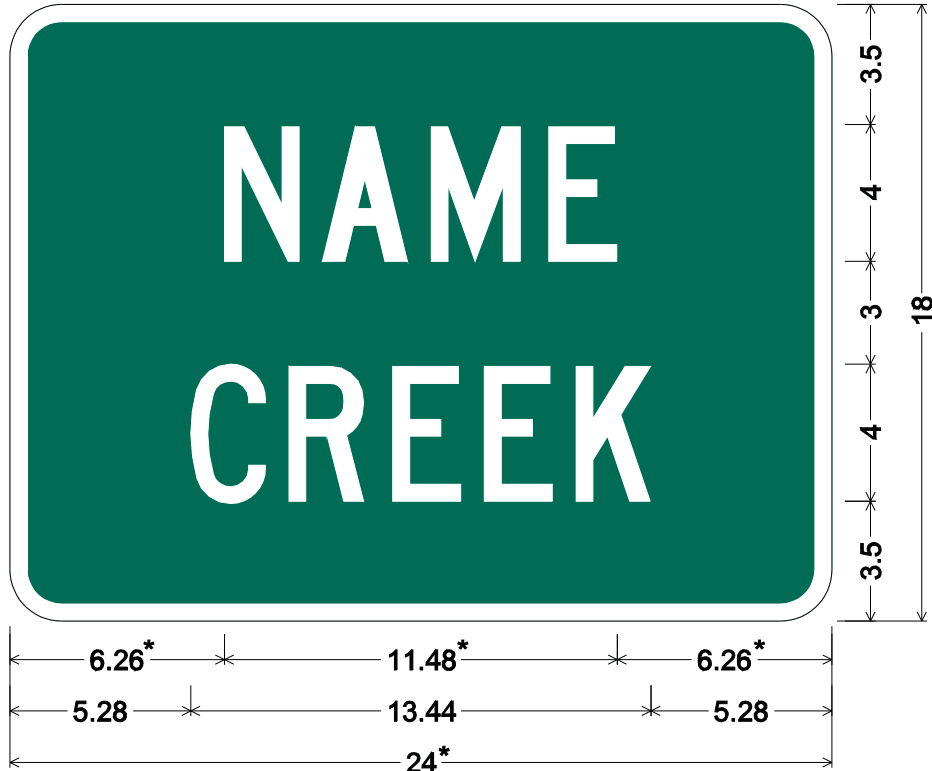
Table of distances between letter and object lefts.

*	N *	A *	M*	E *	*	
6.26	2.87	3.17	3.44	2.00	6.26	
5.88	R	I	V	E	R	5.88
	3.03	1.24	3.11	2.67	2.19	

**\* DIMENSIONS AND SPACING WILL VARY BASED ON RIVER NAME \***

# I-3 & I-3.2

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I-3.2; 1.50" Radius, 0.50" Border, White on Green;

[NAME] C; [CREEK] C;

Table of distances between letter and object lefts.

*	N*	A*	M*	E*	*	
6.26	2.87	3.17	3.44	2.00	6.26	
5.28	C	R	E	E	K	5.28
	2.87	3.03	2.67	2.68	2.19	

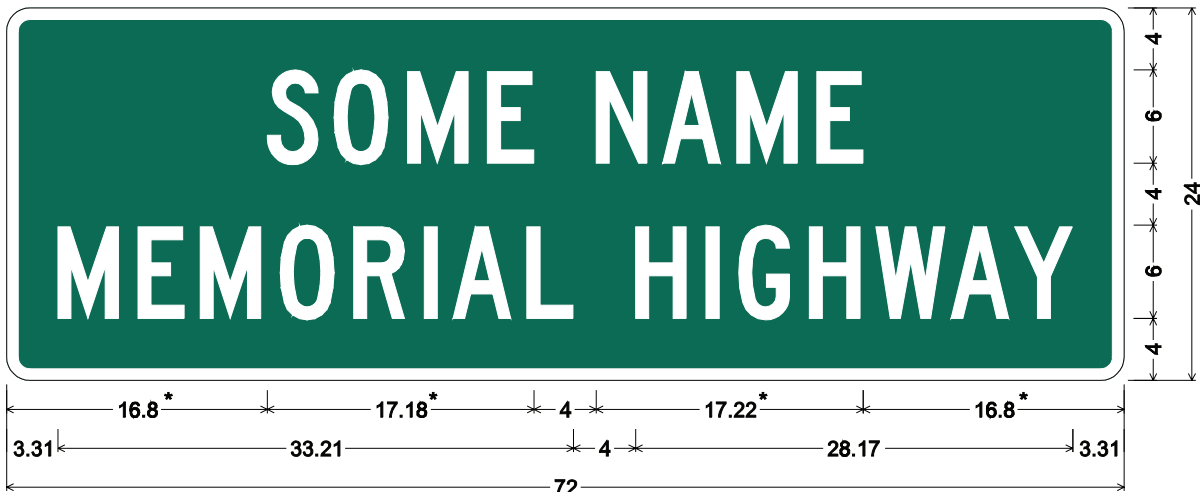
\* DIMENSIONS AND SPACING WILL VARY BASED ON CREEK NAME \*

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# I-33-1, I-33-2 & I-33-3

When the legislature or the SCDOT Highway Commission honors an individual or group for their contributions to the state, I-33 series of signs will be erected. [Engineering Directive Memorandum 40](#) gives details on how a road is dedicated and details the financial responsibility for the signs. The maximum width of these signs will be 72 inches. A two line sign is illustrated. However, depending on the legend a one, two, or three line sign can be used. The Director of Traffic Engineering will furnish a layout upon request.



I-33-2-6-72; 1.50" Radius, 0.75" Border, White on Green;

[SOME] C; [NAME] C; [MEMORIAL] C; [HIGHWAY] C;

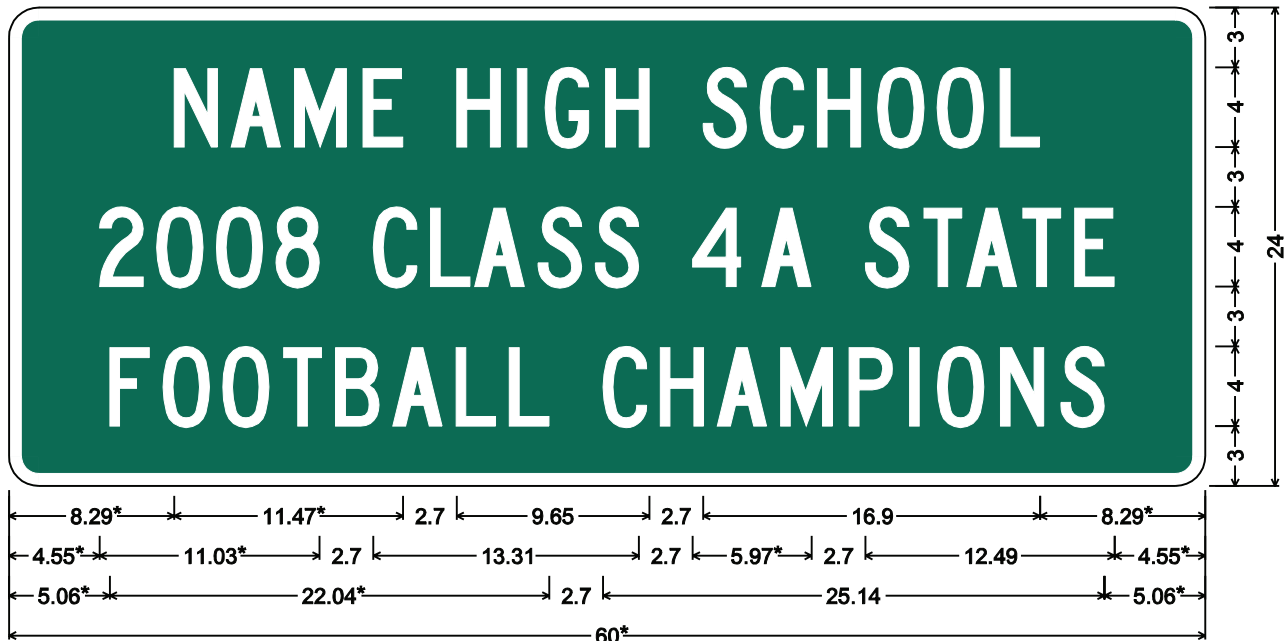
Table of distances between letter and object lefts.

*	S*	O*	M*	E*	N*	A*	M*	E*	*							
16.80	4.30	4.73	5.15	7.00	4.30	4.76	5.16	3.00	16.80							
3.31	M	E	M	O	R	I	A	L	H	I	G	H	W	A	Y	3.31
	5.15	4.01	5.16	4.73	4.54	1.86	4.76	7.00	4.55	2.11	4.54	4.29	4.84	4.09	3.75	



# I-34-1

The Department may erect state championship signs (I-34-1) to acknowledge the accomplishments of a high school for winning a state championship. [Engineering Directive Memorandum 40](#) gives details concerning where the signs may be placed and outlines the financial responsibility for erecting the signs.



I-34-1; 1.50" Radius, 0.63" Border, White on Green;  
[NAME] C; [HIGH] C; [SCHOOL] C; [2008] C; [CLASS] C; [4A] C; [STATE] C; [FOOTBALL] C;  
[CHAMPIONS] C;

Table of distances between letter and object lefts.

	N	A	M	E	H	I	G	H	S	C	H	O	O	L	8.29			
8.29	2.86	3.18	3.43	4.70	3.03	1.41	3.03	4.88	2.87	2.86	3.03	2.99	3.15	2.00	8.29			
4.55	2	0	0	8	C	L	A	S	S	4	A	S	T	A	T	E	4.55	
	2.86	2.99	2.99	4.89	2.86	2.23	3.17	2.86	4.89	3.47	5.20	2.86	2.23	2.72	2.68	2.00		
5.06	F	0	0	T	B	A	L	L	C	H	A	M	P	I	O	N	S	5.06
	2.67	2.99	2.99	2.67	2.87	3.17	2.68	4.70	2.86	2.86	3.18	3.44	3.03	1.40	3.16	3.03	2.18	

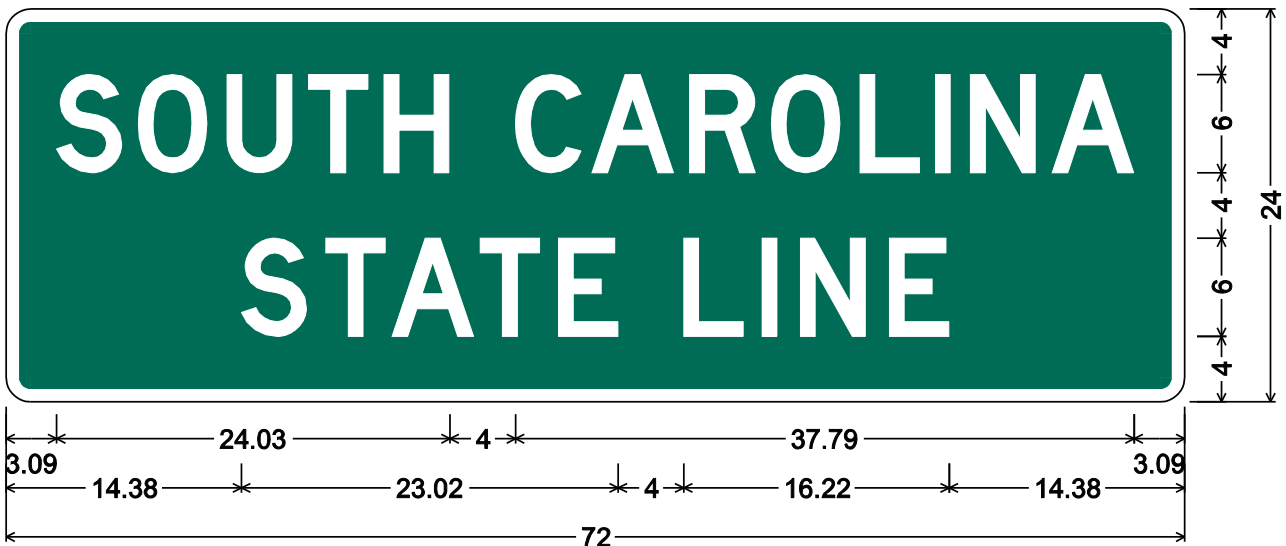
**\* DIMENSIONS AND SPACING WILL VARY BASED ON LEGEND \***



# I-2-72, I-2.1-96 & I-2.1-192

The Welcome to South Carolina sign (I-2.1-96) should be erected at or near the state border on all US numbered routes and other primary routes entering the state. I-2.1-192 should be used on all interstate routes entering the state. When conditions do not permit locating the Welcome sign at the border, the South Carolina State Line sign (I-2-72) should be erected at the border and the Welcome sign erected at the first location providing good visibility inside the state.

The South Carolina State Line (I-2-72) sign should be used at the border for all secondary routes entering the state.



I-2-72; 1.50" Radius, 0.75" Border, White on Green;

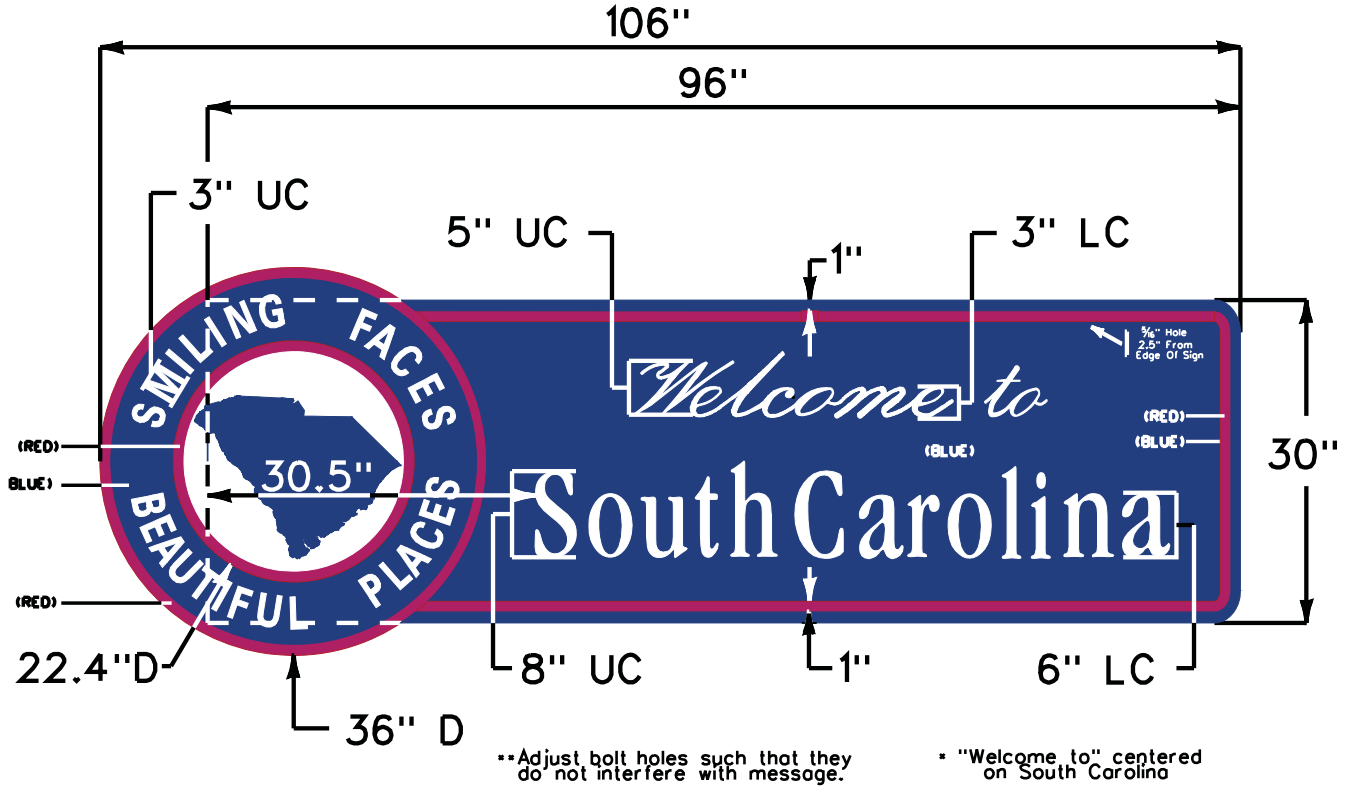
[SOUTH] D 85% spacing; [CAROLINA] D 85% spacing; [STATE] D; [LINE] D;

Table of distances between letter and object lefts.

3.09	S	O	U	T	H	C	A	R	O	L	I	N	A	3.09
	4.99	5.41	4.99	4.61	8.03	4.67	5.97	4.99	5.41	4.62	2.13	4.99	5.01	
14.38	S	T	A	T	E	L	I	N	E	14.38				
	5.16	4.03	5.39	4.78	7.66	4.78	2.34	5.44	3.66					



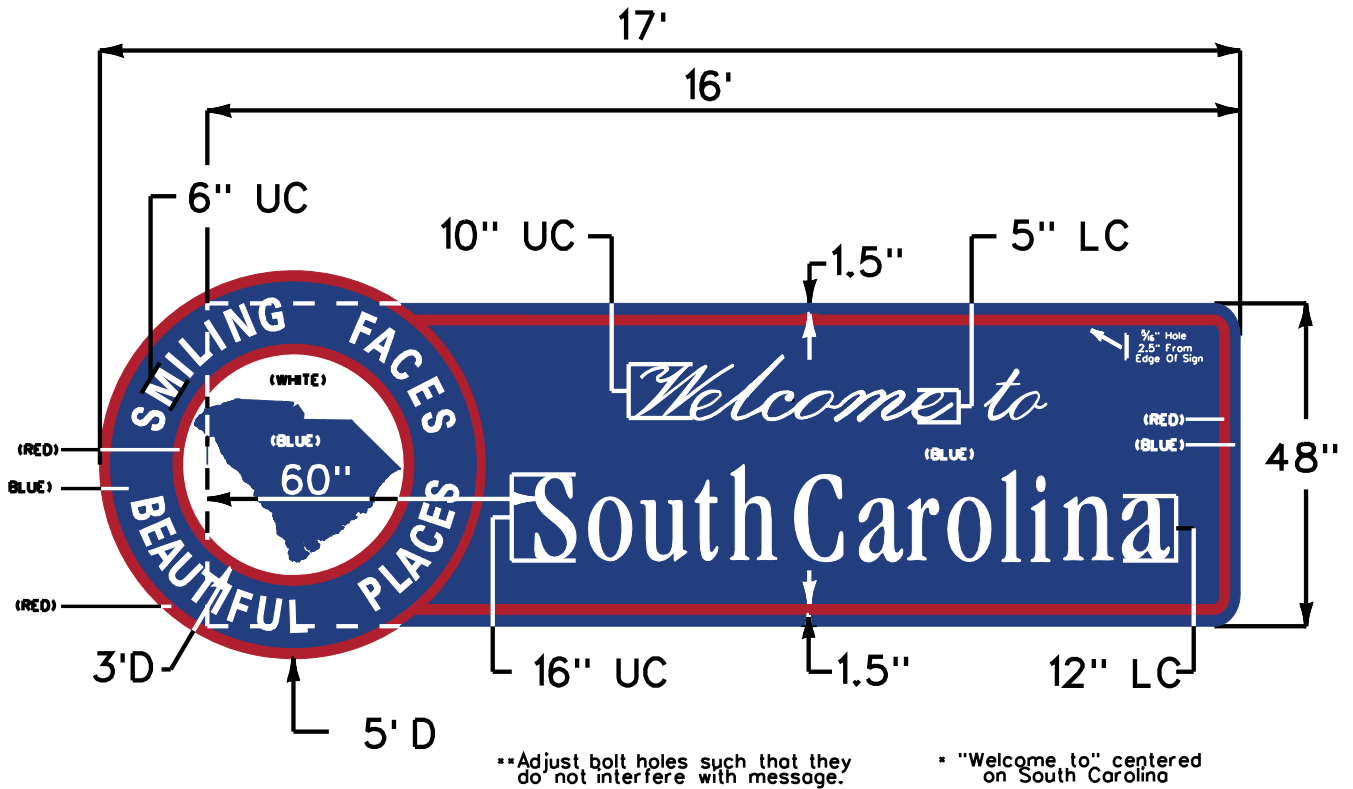
# I-2-72, I-2.1-96 & I-2.1-192



I-2.1-96



# I-2-72, I-2.1-96 & I-2.1-192



I-2.1-192

# Chapter Three

## Pavement Markings

SCDOT designs and installs pavement markings in accordance with the MUTCD. There are several areas of this chapter of the MUTCD that allows variations in the application of the markings. This chapter of the SCDOT Supplement to the MUTCD details the Department's preference.

### Section 3A.05 Colors

Although SCDOT generally does not mark handicapped parking spaces, blue markings are to be utilized to supplement white markings for parking spaces for persons with disabilities.

### Section 3A.06 Functions, Widths, and Patterns of Longitudinal Pavement Markings

The MUTCD suggests a gap to broken line ratio of three to one. SCDOT Standard Drawing 625-305-00 shows a slightly different pattern for mini-skip lines of two foot line to five foot gap. The mini skips are primarily used for guidance through intersections and to indicate travel lanes ending.

### Section 3B.02 No-Passing Zone Pavement Markings and Warrants

Figure 3B-3 illustrates two methods of marking a three-lane two direction roadway. SCDOT does not allow the marking scheme (a) that allows passing.

### Section 3B.03 Other Yellow Longitudinal Pavement Markings

Figure 3B-7 on page 357 shows the end of the Two-Way Left-Turn Lane (TWLTL) being open, even if a protected left turn lane is developed. SCDOT normally uses a reverse radius in this situation to transition from the TWLTL to the protected left turn, as detailed on Standard Drawing 625-305-00. The degree of the reverse radius is determined by the design speed of the road. In some urban neighborhoods, where distance between minor intersections will not permit the use of reverse radii or protected left turns, the TWLTL is striped over the entire length between intersections and the ends left open.

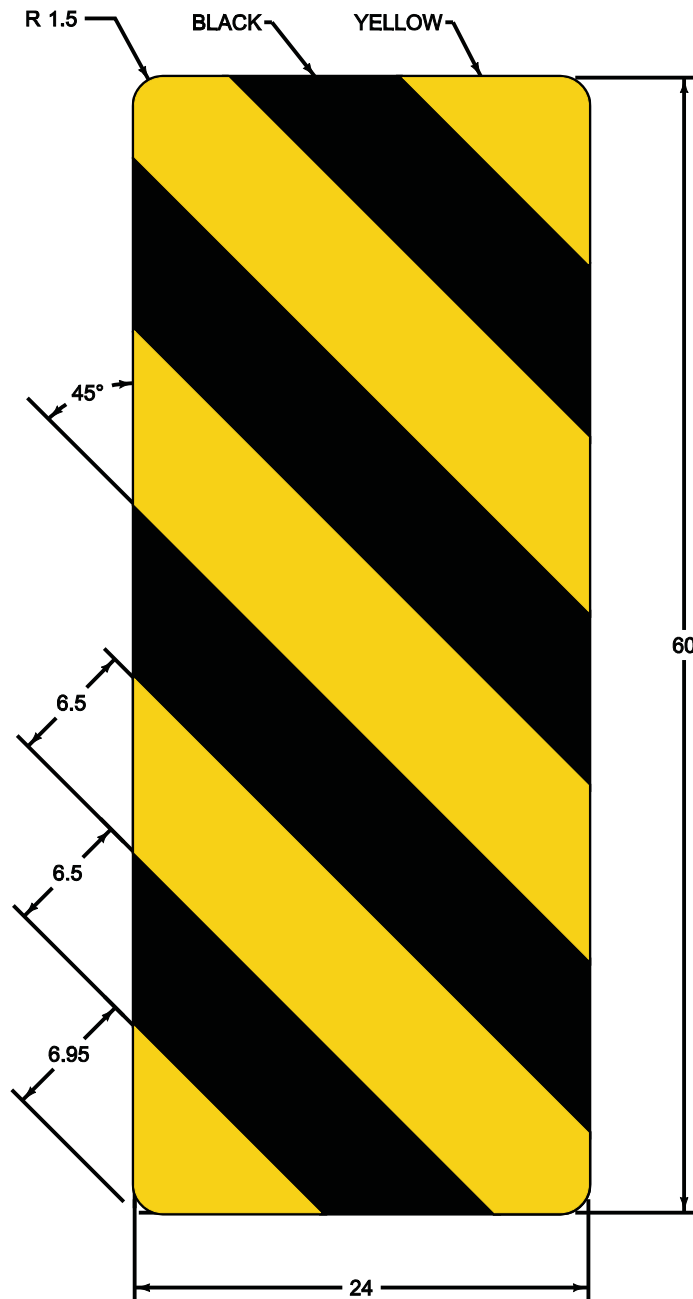
### Section 3B.05 Other White Longitudinal Pavement Markings

Figure 3B-10 on page 367 shows wide lines on the mainline side of the entrance ramps. SCDOT only places the wide lines on the ramp side of the entrance ramp.



## OM-3.5L-24 & OM-3.5R-24

OM-3.5 may be used to mark bridge piers rather than painting the piers. Bridge piers closer than 30 feet to the edge of the nearest travel lane should be marked except when the pier is 20 feet or more from the travel way and is protected by guardrail or concrete barrier. If the pier is within a continuous section of guardrail or concrete barrier, markings or signs are not necessary.

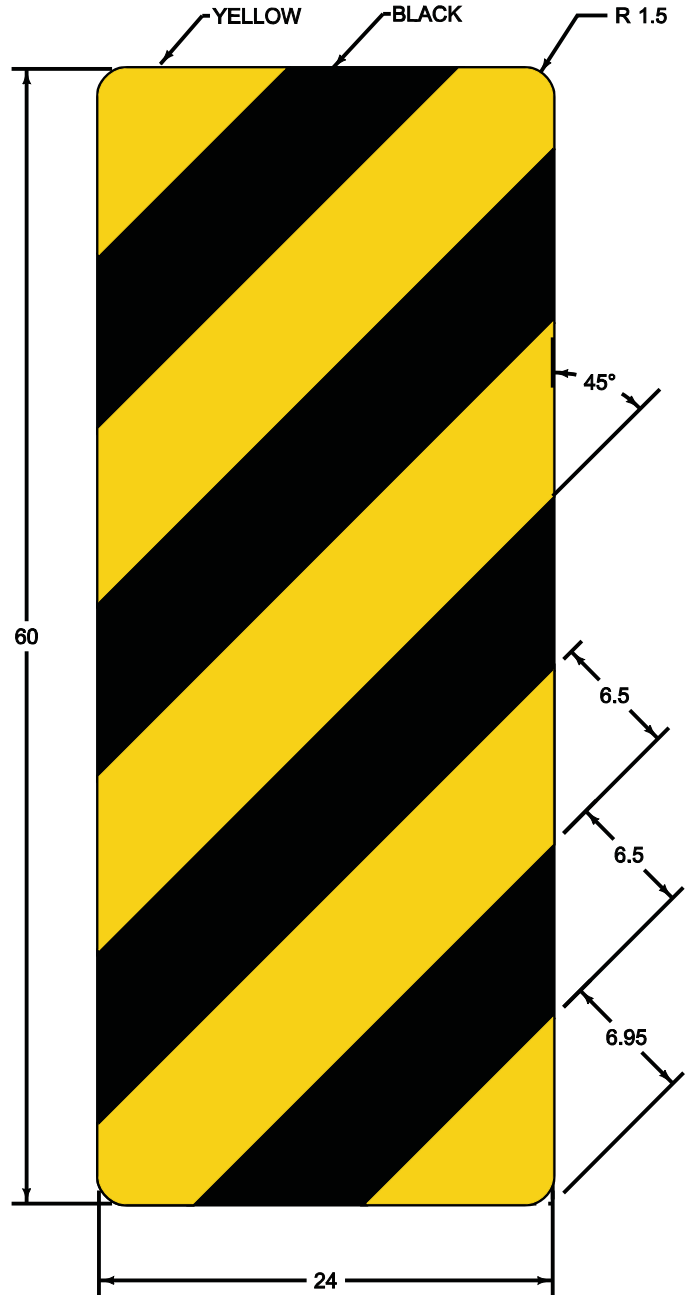


OM-3.5L-24



# OM-3.5L-24 & OM-3.5R-24

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OM-3.5R-24

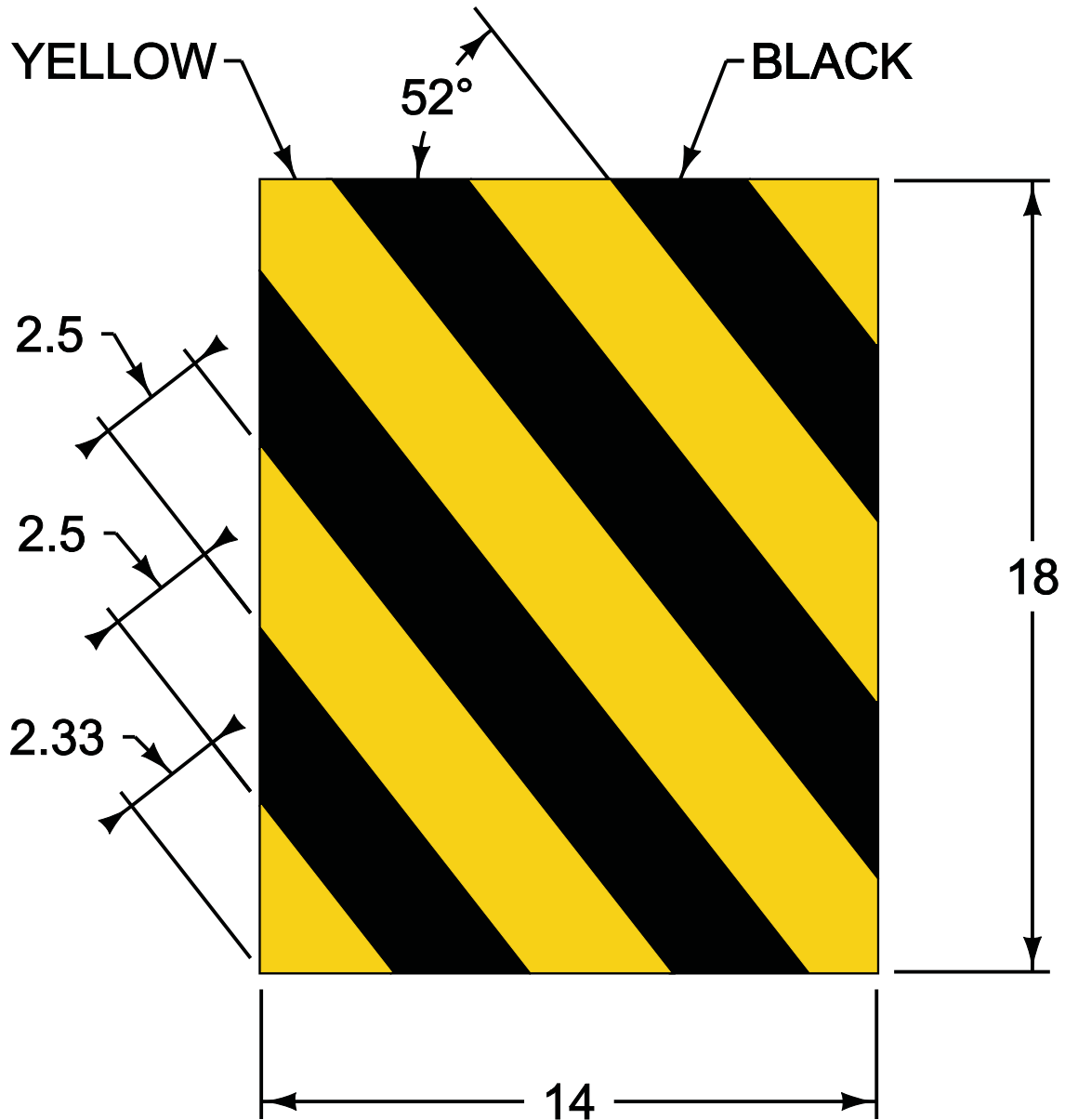
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Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

Standard Drawing 651-120-00 describes the use of the various markers for different types of guardrail end treatments, and crash attenuators.



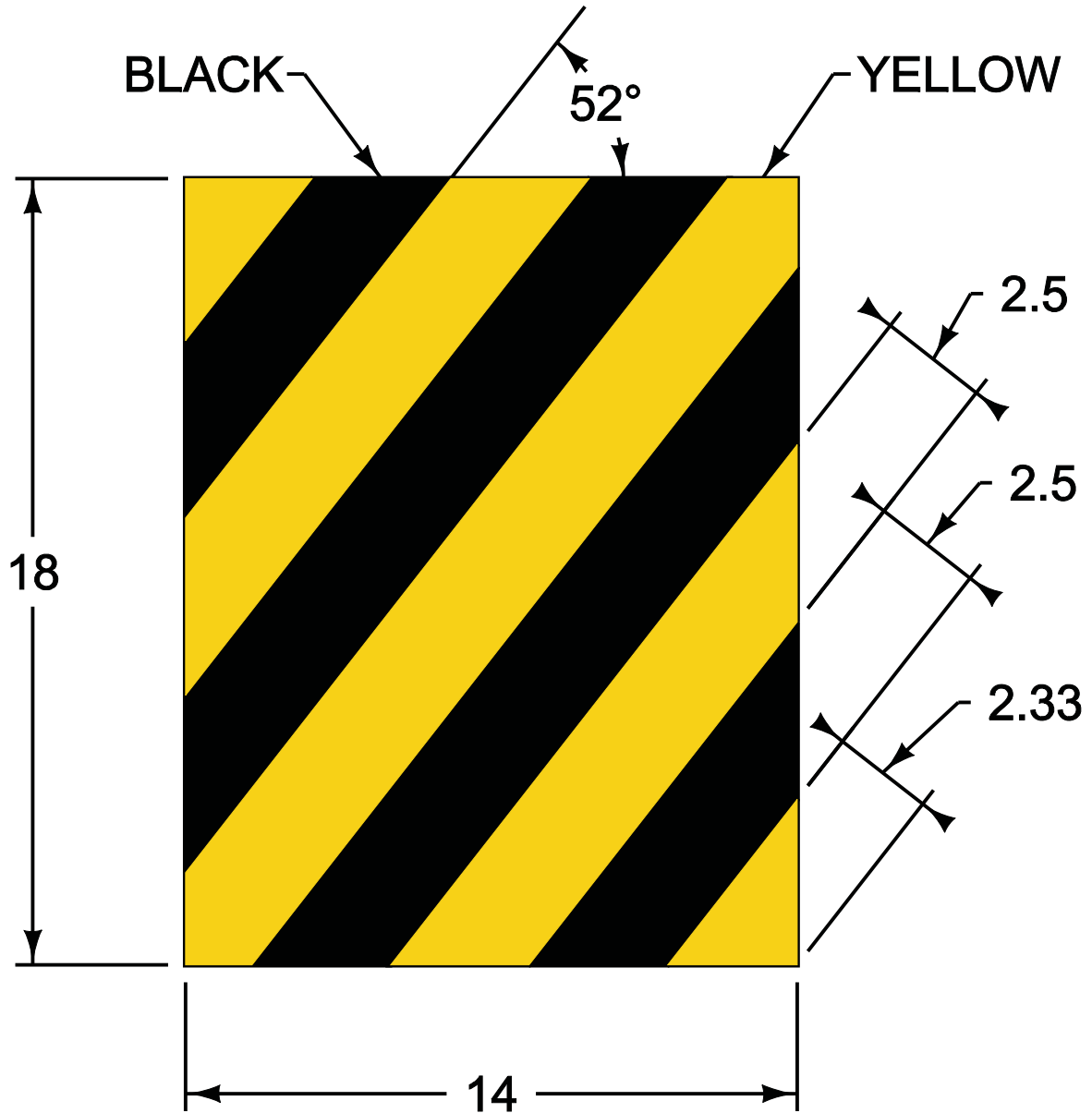
OM-3.6L-14



Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

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OM-3.6R-14

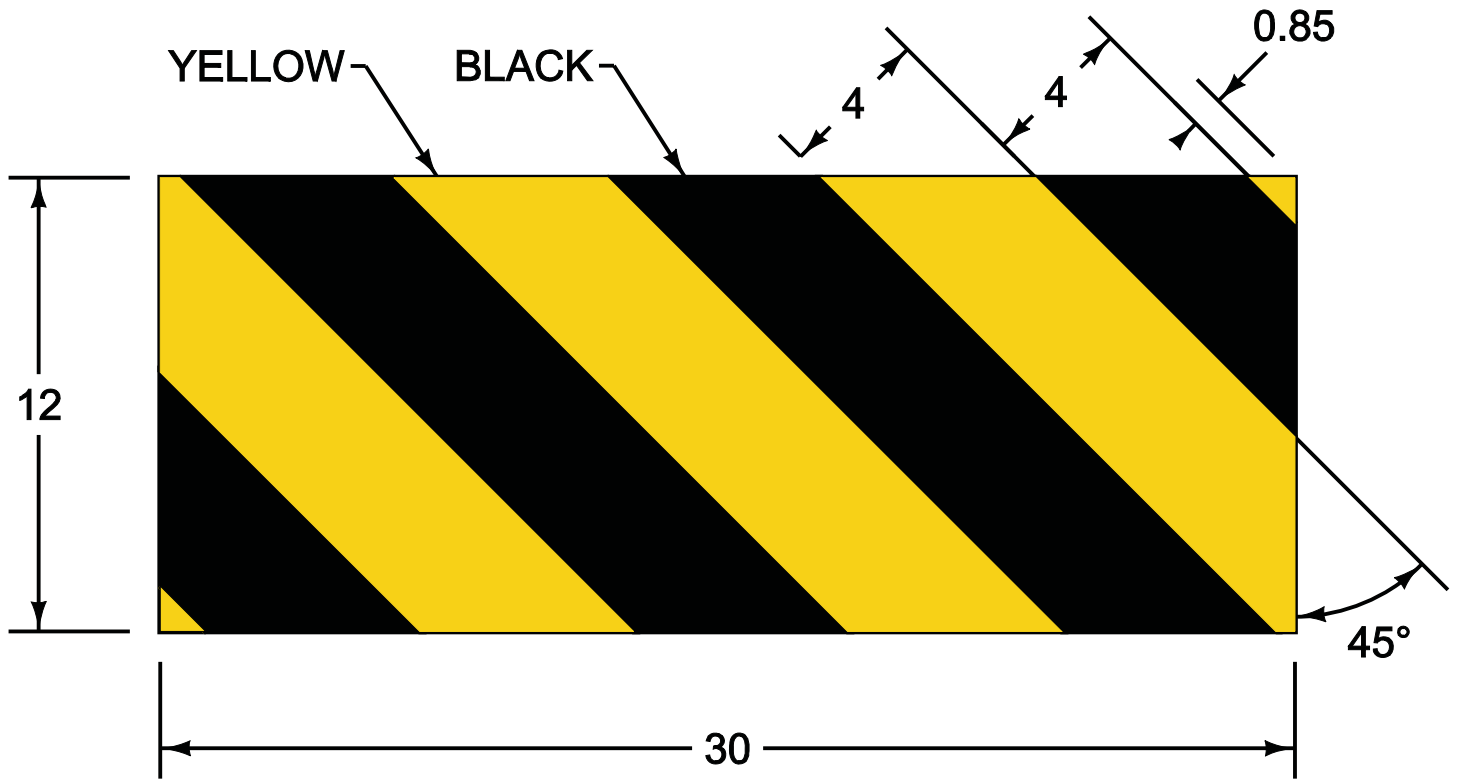
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Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

---



OM-3.7L-30

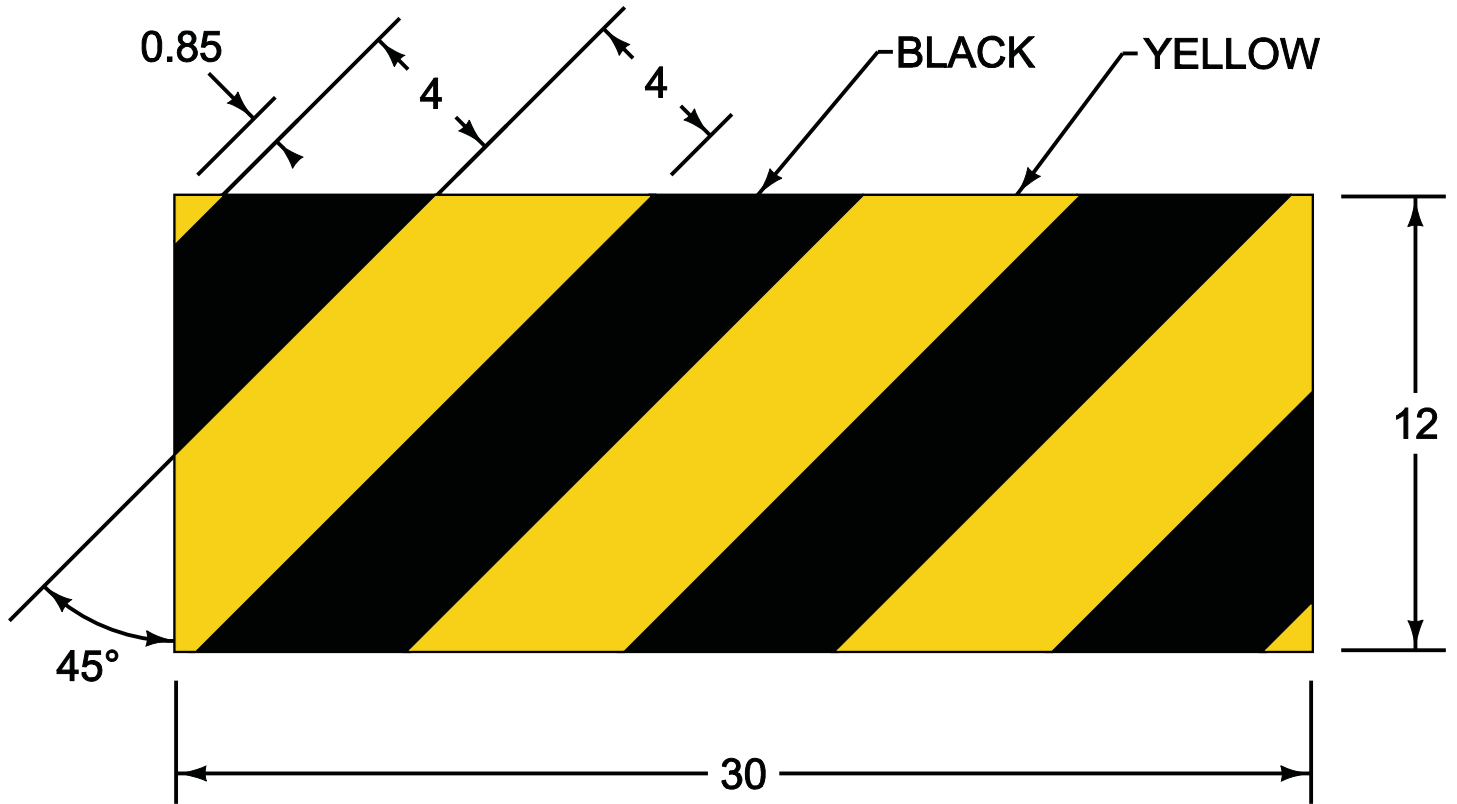
---



Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

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OM-3.7R-30

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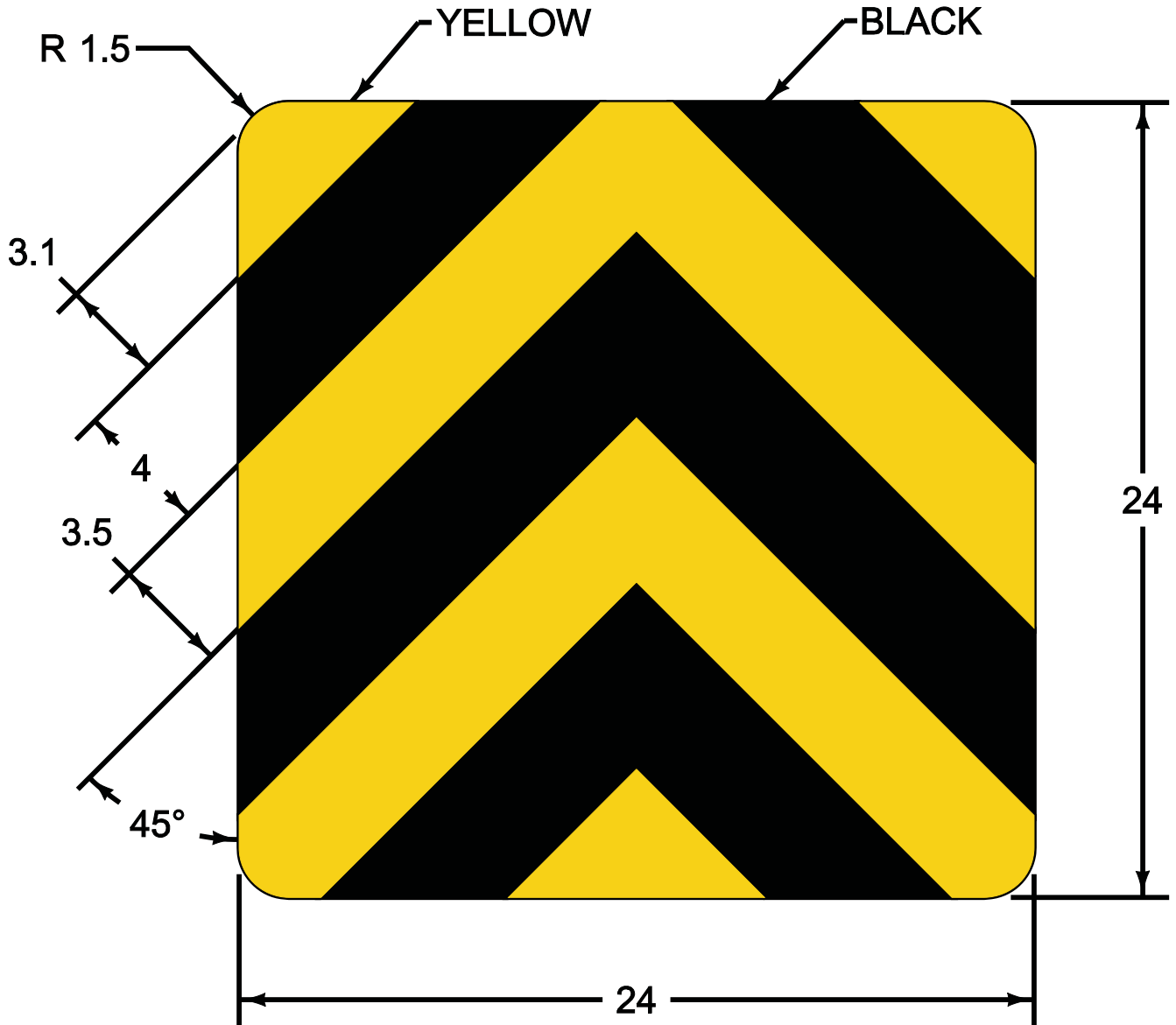




Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

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OM-3.8C-24

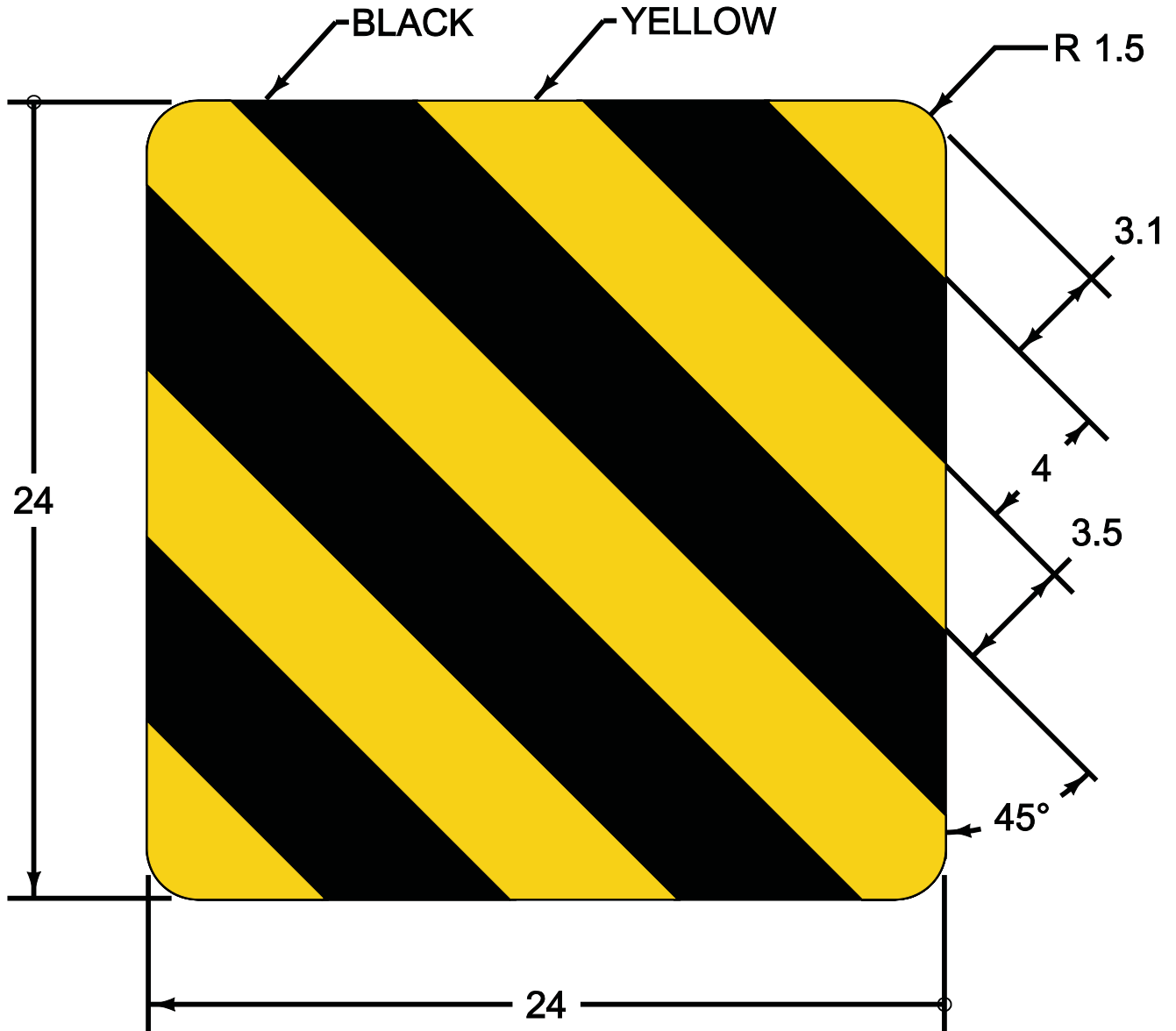
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Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

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OM-3.8L-24

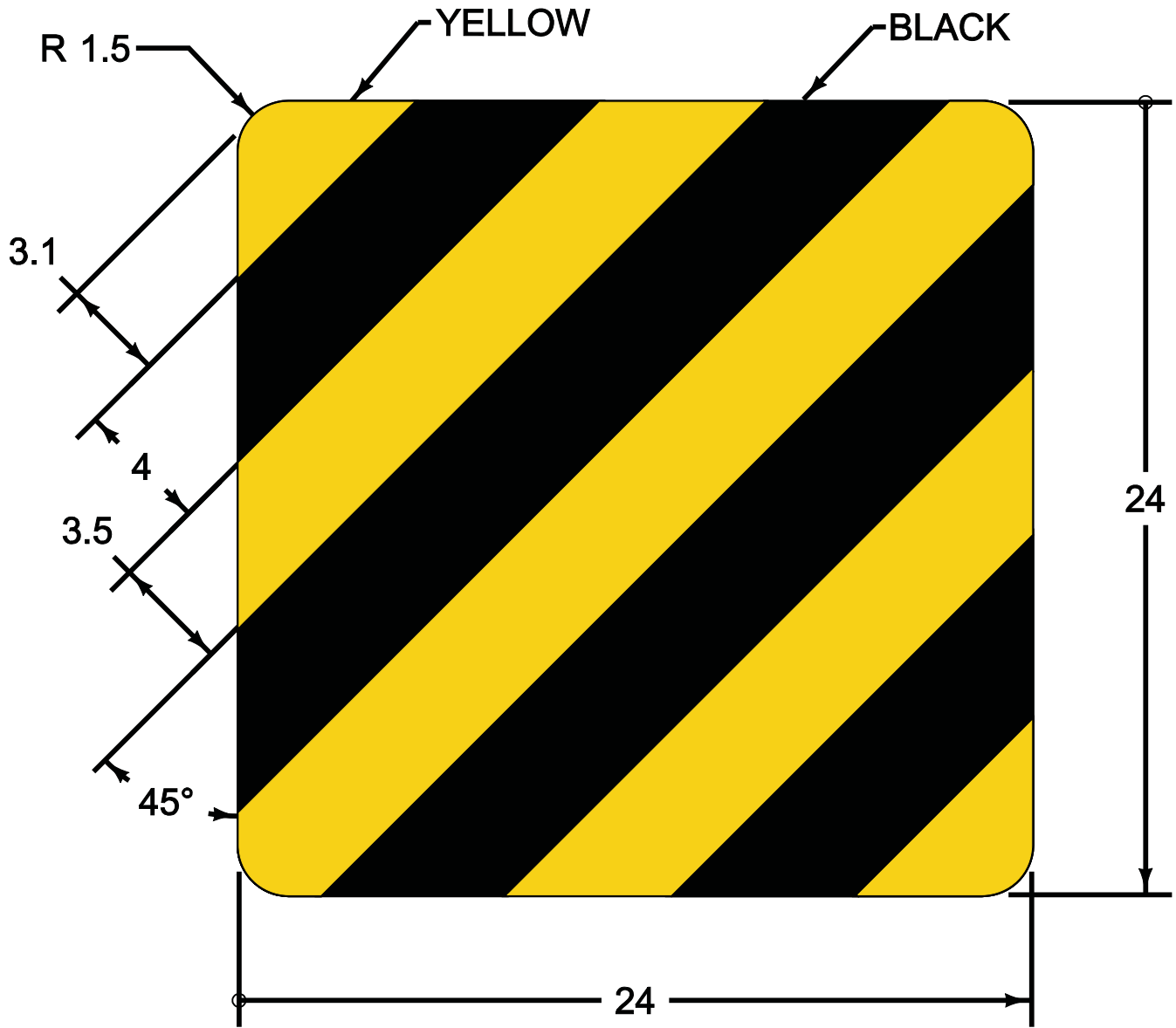
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Object Markers — Guardrail End Markers

OM-3.6L-14, OM-3.6R-14, OM-3.7L-30, OM-3.7R-30, OM-3.8C-24,  
OM-3.8L-24 & OM-3.8R-24

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OM-3.8R-24

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# Chapter Four

## Highway Traffic Signals

SCDOT designs and installs traffic signals in accordance with the MUTCD. There are several areas of this chapter of the MUTCD that allow variations in the method of design and display of signals and this chapter details the SCDOT's preference.

### Section 4C.01 Studies and Factors for Justifying Traffic Control Signals

There are intersections where the left turn volumes on the mainline may create congestion at the intersection even when side street volumes are very low. The option on page 437 allows the traffic engineer to consider the higher of the major-street left-turn volumes as the "minor-street" volume and the corresponding single direction of the opposing traffic on the major street as the "major street" volume. Although this situation will not occur often it can be a useful option to consider.

### Section 4D.03 Provisions for Pedestrians

The "standard" section requires that the design and operations of traffic control signals shall take into consideration the needs of pedestrians as well as vehicular traffic. The following excerpts from the [SCDOT Traffic Signal Guidelines](#) provide information for use in determining whether and what type of pedestrian treatment should be considered.

#### Pedestrian Treatment Design

**BACKGROUND:** Since SCDOT typically installs semi-actuated or fully actuated signal control the need for pedestrian provision at traffic signals has been identified. Although the Manual on Uniform Traffic Control Devices in Chapter 4E indicates where the pedestrian warrant is met that full pedestrian treatment (detectors and pedestrian signal heads) should be installed, it is unclear as to the requirement at traffic signals where the pedestrian warrant is not met. These guidelines have been developed to promote uniformity in the application of pedestrian detectors and heads at traffic signals.

#### ***Installation of Pedestrian Detectors only (usually push buttons)***

Pedestrian detectors allow minimal interruption of the normal signal operation and should be considered prior to the installation of both pedestrian signal heads and detectors. Pedestrian detection should be provided at traffic signals under any of the following conditions:

- *In areas where pedestrians can be expected\**, and where signals are of the fully- or semi-actuated type and the recall feature is not used
- *In areas where pedestrians can be expected\**, and where the pedestrian would not have sufficient minimum green signal time to

cross the street or road.

### ***Installation of Pedestrian Signal Heads & Detectors***

The installation of pedestrian signal heads typically requires more time to operate the pedestrian phase. *The department currently uses countdown pedestrian heads with push buttons for all new installations and upgrades.* Consideration for the installation of pedestrian signal heads should be given if the traffic signals meet any the following conditions and if engineering judgment indicates this addition will not severely impair the overall traffic operation of the intersection:

- The signal will currently meet the Pedestrian Signal Warrant.
- The crossing at the signal is an obvious established school crossing.
- An exclusive, protected phase is available for pedestrians in one or more directions.
- Where multiphase operation is used in *an area where pedestrians can be expected\**, and the signal phasing may be confusing to the pedestrian as to when to cross.
- *In an area where pedestrians can be expected\**, at T-intersections, one-way streets and other locations where pedestrians cannot see the vehicular signal head associated with the crossing they are initiating, based on the cones of visibility.
- On wide streets where signals are designed to allow pedestrians to cross the roadway in two stages with the expectation of a stop on a refuge island, additional detection should be provided in the median area. The following items must be considered in this situation:
  - Median design must be appropriate for storage of pedestrians (width, accessibility)
  - Adequate pedestrian timing to cross the entire street is extremely detrimental to vehicular progression, resulting in severe delays and queuing.
  - Pedestrian traffic is present and is not restricted by signage
- Where mitigation is needed to reduce pedestrian-related crashes, related to intersection operations.
- On wide streets where providing pedestrian clearance information is important and moderate to high number of crossings occur.

### ***Installation of Pedestrian Heads only:***

In downtown business districts and other areas where pedestrian traffic is crossing regularly during business hours, it may be more feasible to operate the signal cycle in a pre-timed or recalled mode, providing sufficient time for pedestrian crossings during each cycle. Pedestrian heads may be installed under these conditions, without detectors, for the phase that is always on recall or for pre-timed operation.

### ***Restricting Pedestrian Traffic***

Restricting pedestrians at a particular intersection can be accomplished through appropriate signing and direction to adjacent, preferable locations. Pedestrians should be prohibited from using unmarked crosswalks where pedestrian movements would present a serious consistent safety concern, by using R93-12 (NO PEDESTRIAN CROSSING) signing.

### **\*Areas where pedestrians can be expected**

This phrase describes a location that meets one or more of the following conditions:

- *There are sidewalks at the intersection, even if only on one leg*
- *Studies or official observations have documented the presence and volumes of pedestrians*
- *There exists the physical evidence of pedestrian activity and there exists logical beginning and endpoints for short trips (generally less than ½ mile; typically made on foot) on opposite sides of the intersection, even in isolated areas. Examples include, but are not limited to, the following:*
  - *Homes on one side, a grocery store or general store on the other*
  - *Homes on one side, a park or other attraction on the other*
  - *Motels on one side, a food establishment on the other*
  - *An established bus stop on one side, homes on the other*
  - *An established bus stop on one side, places of employment on the other*

### **Pedestrian Signal Heads, Signs and Markings**

- New and replacement pedestrian signal heads will use raised hand and walking man with countdown one section heads.
- Pedestrian heads should be placed where they are clearly visible within the entire crosswalk.
- When not activated, and if sufficient time does not exist during the minimum green time for the active phase, the pedestrian signal head displays should rest in the solid hand mode. If adequate time is available in the minimum green time, the pedestrian signal head display may operate without activation.
- Pedestrian detectors (buttons) or heads may be supplemented with the use of proper signs to indicate appropriate use of signal for pedestrians and/or to provide explanation and guidance to the use of the detector and pedestrian signals.
- Crosswalk locations should be provided based on the conditions at the intersection, namely signal phasing, existing or expected pedestrian patterns and safety. One or more crosswalks may be provided across the mainline roadway, based on engineering judgment. If only one crosswalk is provided across the mainline, adequate direction in the way of signs or marking should direct pedestrians to the crossing location. Pedestrian signals must be in place at each end of each marked crosswalk at the intersection.
- If used, pedestrian heads must be in place at each end of each marked main street crosswalk at the intersection.

**Channelized Islands:** In situations where a pedestrian must cross an uncontrolled, channelized movement, such as a channelized right turn lane, the pedestrian treatment should be placed on the channelizing island. This puts the responsibility of crossing the uncontrolled lane on the pedestrian.

### **Calculation of Pedestrian Timing**

**3.5 ft/sec is used for the walking speed of pedestrians.**

#### **Pedestrian Detectors (push buttons) only:**

- Divide the roadway distance (edge of roadway at crosswalk area to mid-way through the last travel lane, worst case scenario) by the normal walking speed (3.5 ft/ sec) and subtract out the yellow/red clearance.

- When using pedestrian detectors only, the pedestrian is required to use the signal heads as guidance and SCDOT typically operates pedestrian time simultaneously, not sequentially to the yellow-red clearance.
- Typically, the pedestrian detector activates the maximum green time for the appropriate phase allowing the street to be crossed.

**Pedestrian detectors and pedestrian signal heads:**

- Walk time is a value typically between 4-7 seconds, depending on the number of pedestrians waiting to cross the roadway.
- The pedestrian clearance is calculated by dividing the roadway distance (curb to curb) by the normal walking speed (3.5 ft/sec).
- When using pedestrian heads, SCDOT typically operates pedestrian time sequentially, not simultaneously to the yellow-red clearance. In essence, the walk time is served, the pedestrian clearance time is served, and then the yellow/red clearance is served, prior to the opposing street green. Simultaneous clearance is acceptable for areas where the pedestrian clearance would significantly impact the level of service of the system or the signal timing in an adverse way.

**Americans with Disabilities Act (ADA) Considerations** Consistent with the guidance contained in Manual on Uniform Traffic Control Devices Chapter 4, when special accessible pedestrian detectors (vibro-tactile pushbuttons, with guidance in Braille) or Audible Pedestrian Signals are requested at a location, an investigation shall be conducted and pedestrian treatments that are accessible to persons with vision impairments or blindness shall be provided if possible.

**Section 4D.05 Application of Steady Signal Indications for Left Turns**

Under standard B, the operations of a Protected Only Mode is described. Since SCDOT does not use red arrows, B2 is the preferred operation. It should be noted that if the operation described in B2 is utilized then a Left Turn Signal sign (R10-10) shall be used.

**Section 4D.17 Signal Indications for Left-Turn Movements – General**

SCDOT does not recommend the option placed in the Standards paragraph 08 on page 466 due to a possible violation of driver expectancy.

**Section 4D.21 Signal Indications for Right-Turn Movements – General**

SCDOT does not recommend the option presented in the Standards paragraph 07 on page 475 due to a possible violation of driver expectancy.

**Section 4D.31 Flashing Operation - Transition Out of Flashing Mode**

This standard describes two methods of changing from flashing mode to steady (stop-and-go) mode. SCDOT prefers option A, yellow-red flashing mode: Changes from flashing mode to steady (stop-and-go) mode shall be made at the beginning of the major-street green interval (when a green signal indication is displayed to through traffic in both directions on the major street), or if there is no common major-street green interval, at the beginning of the green interval for the major traffic movement on the major street.

### **Section 4G.02 Design of Emergency-Vehicle Traffic Control Signals**

When an emergency-vehicle traffic signal is installed, it shall meet the requirements of this section. An Emergency Vehicle (W11-8) sign (see Section 2C.49) with an EMERGENCY SIGNAL AHEAD (W11-12P) supplemental plaque shall be placed in advance of all emergency-vehicle traffic control signals. If a warning beacon is installed to supplement the W11-8 sign, the design and location of the beacon shall comply with the Standards of Section 4L.01 and 4L.03.

### **Section 4G.03 Operation of Emergency-Vehicle Traffic Control Signals**

The operation of the emergency-vehicle signal shall comply with this section. If warning beacons are used with the advanced warning signs, they shall be flashed only:

- For an appropriate time in advance of and during the steady yellow change interval for the major street; and
- During the steady red interval for the major street.



# Chapter Six

## MUTCD Temporary Traffic Control

SCDOT designs work zone temporary traffic control in accordance with the MUTCD. Where the MUTCD allows discretion in the application of the standards, SCDOT has adopted the following standards.

### Section 6C.04 Advance Warning Area

Figure 6C-1 and Table 6C-1 of the MUTCD describe the components of a Temporary Traffic Control Zone and suggested spacing for Advance Warning Signs. The table indicates that the highway agency determines the speed categories.

**MUTCD – Table 6C-1 – Suggested Advanced Warning Sign Spacing**

Road Type	Distance Between Signs		
	A	B	C
Urban (low speed)*	100	100	100
Urban (high speed)*	350	350	350
Rural	500	500	500
Expressway/Freeway	1,000	1,500	2,640
* Speed category to be determined by highway agency			

### SCDOT Recommended Advance Warning Sign Spacing

Road Type	Distance Between Signs		
	A	B	C
Urban (low speed)*	200	200	200
Urban (high speed)*	350	350	350
Rural	500	500	500
Expressway/Freeway	1,000	1,500	2,600
* Speed category to be determined by highway agency			

Speed as it relates to Table 6C-1 and the SCDOT Standard

Urban (low speed) relates to speeds  $\leq 35$  mph

Urban (high speed) relates to speeds 40-50 mph

Rural relates to speeds 55 mph and greater

**Section 6C.08 Tapers**

The MUTCD provides the following tables to determine taper lengths.

**MUTCD – Table 6C-3 – Taper Length Criteria for Temporary Traffic Control Zones**

Type of Taper	Taper Length
Merging Taper	at least L
Shifting Taper	at least 0.5 L
Shoulder Taper	at least 0.33 L
One-Lane, Two-Way Traffic Taper	50 feet minimum, 100 feet maximum
Downstream Taper	50 feet minimum, 100 feet maximum

**MUTCD – Table 6C-4 – Formulas for Determining Taper Length**

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = (WS^2) / 60$
45 mph or more	$L = WS$
Where: L= taper length in feet W= width of offset in feet S= posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph	

**SCDOT has adopted the following values for taper lengths.**

- Urban Low Speed ≤ 35 mph Taper Length = 250 Feet
- Primary Routes ≥ 40 mph Taper Length = 700 Feet
- Interstate Routes Taper Length = 800 Feet

**Section 6F.61 Arrow Boards**

The MUTCD allows the use of a “flashing bar” as an acceptable display for a caution mode. SCDOT allows only the “four corners” display for the caution mode. The flashing bar is prohibited. Refer to Figure 6F-6 on page 602 of the MUTCD.

**Section 6G.02 Work Duration**

The MUTCD defines mobile operations as work that moves intermittently or continuously. The MUTCD also states that mobile operations often involves frequent short stops for activities such as litter cleanup, pothole patching, or utility operations, and are similar to short duration operations.

SCDOT defines mobile operations as continuous operations with no stops.

### Section 6D.03 Work Safety Considerations

Section 6D.03 defines the requirements for personal protection equipment and the standard is listed below:

***Standard:***

All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purposes of travel) or to work vehicles and construction equipment within the TTC zone shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled “American National Standard for High-Visibility Apparel and Headwear” (see Section 1A.11), or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 2 or 3 risk exposure, except as provided in Paragraph 5. A person designated by the employer to be responsible for worker safety shall make the selection of the appropriate class of garment.

### CLASS 2 SAFETY APPAREL –

Class 2 garments are intended for users during activities that need greater visibility in inclement weather conditions, or who perform tasks that divert their attention from approaching traffic, whose work environments have risks that exceed those for Class 1. Workers who should wear this class of garment include railway workers, school crossing guards, high volume parking and toll gate personnel, delivery vehicle drivers, airport baggage handlers, ground crew, trash collection and recycling operations, ship cargo loading operations, forestry operations, roadway construction, utility, and emergency response and law enforcement personnel.

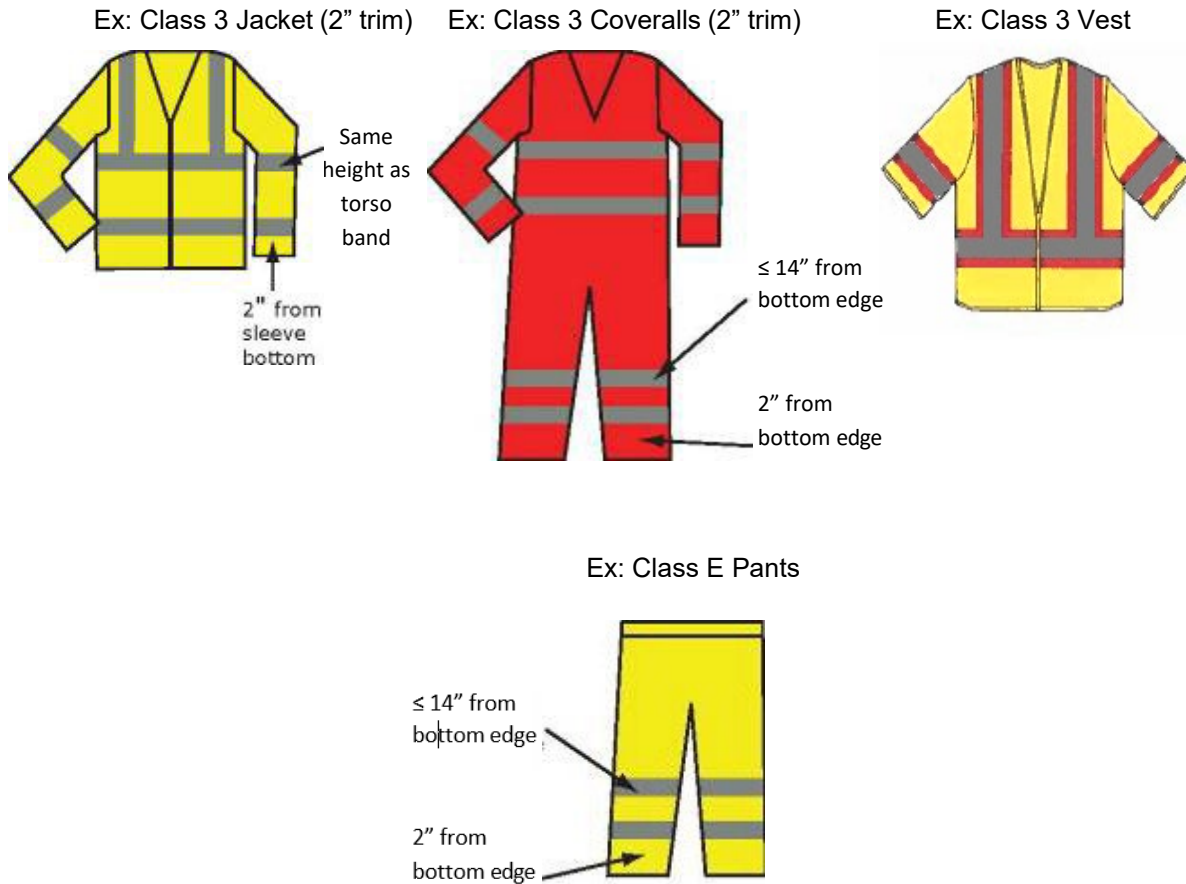
Examples of Class 2 Garments



### CLASS 3 SAFETY APPAREL –

Class 3 garments provide the highest level of conspicuity and are intended for workers who face serious hazards where weather, work or other factors impair visibility or often have high task loads that require attention away from their work. The standard recommends these garments for all roadway construction personnel, flaggers, and vehicle operators, utility workers, survey crews, emergency responders, railway workers, accident site investigators, and emergency response.

## Examples of Class 3 Garments



**Note:** Class E safety pants are garments used to supplement Class 2 and Class 3 apparel and shall not be worn alone.

### **SCDOT has defined the requirements for personal protection equipment as below:**

**Daytime Operations:** Personnel shall wear a hard hat and at least a Class 2 garment (vest / shirt).

**Nighttime Operations:** All personnel except flaggers shall wear a hard hat and a Class 3 garment (vest / shirt / jacket).

**Nighttime Flagging Operations:** Flaggers shall wear a hard hat, a Class 3 garment (vest / shirt / jacket) and Class E safety pants.

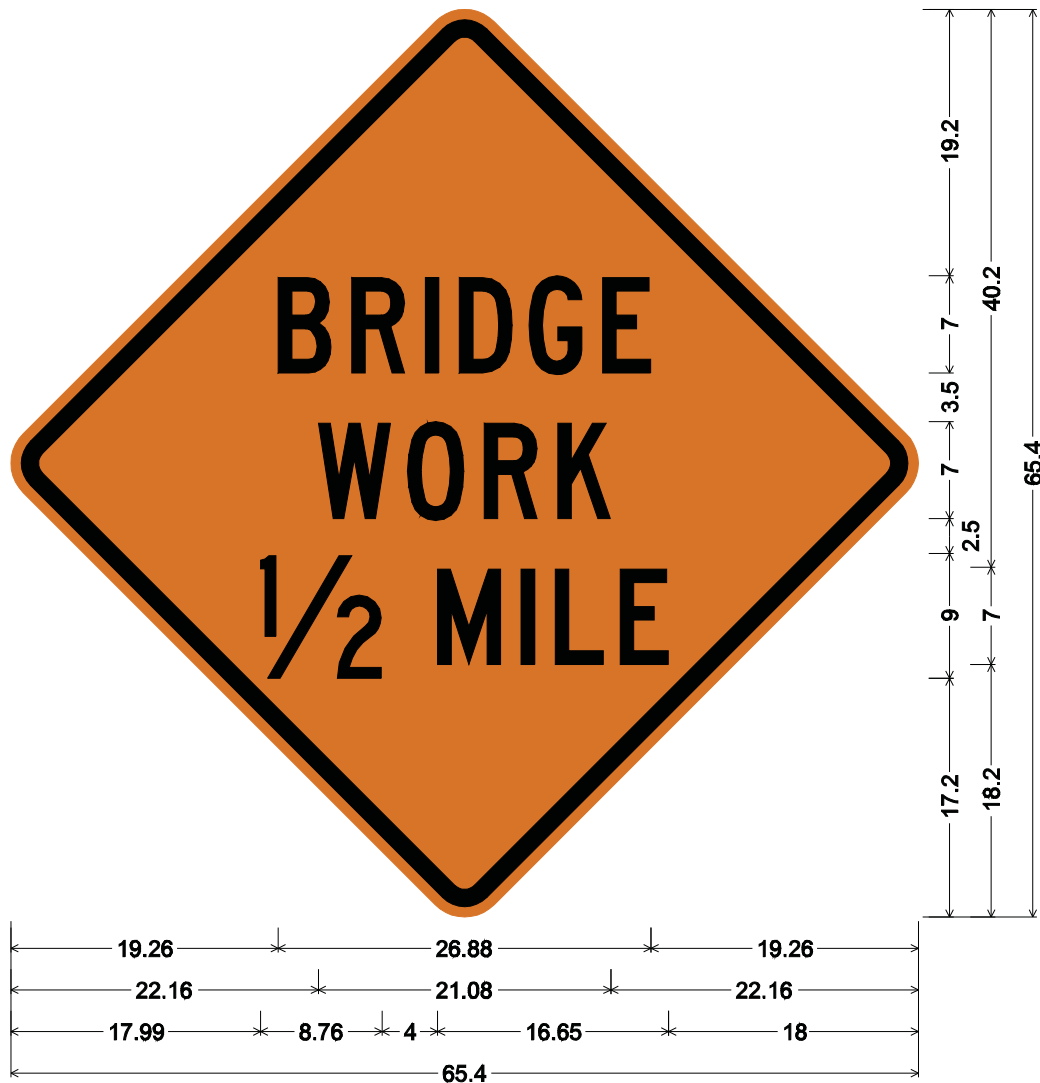
**Incident Responders:** Incident Responders shall wear a Class 3 garment during both daytime and nighttime operations.

Hard hats shall have at least 10 in<sup>2</sup> of retroreflective material applied to it with a minimum 1 inch width.



# W20-6-48

The MUTCD only includes the legend “Road Work” in advance of construction projects. SCDOT has developed the sign “Bridge Work” W20-6-48 for use when the project involves a bridge. This sign has the appropriate distances, ½ mile, 1000 feet, 500 feet, and Ahead.



W20-6-48;

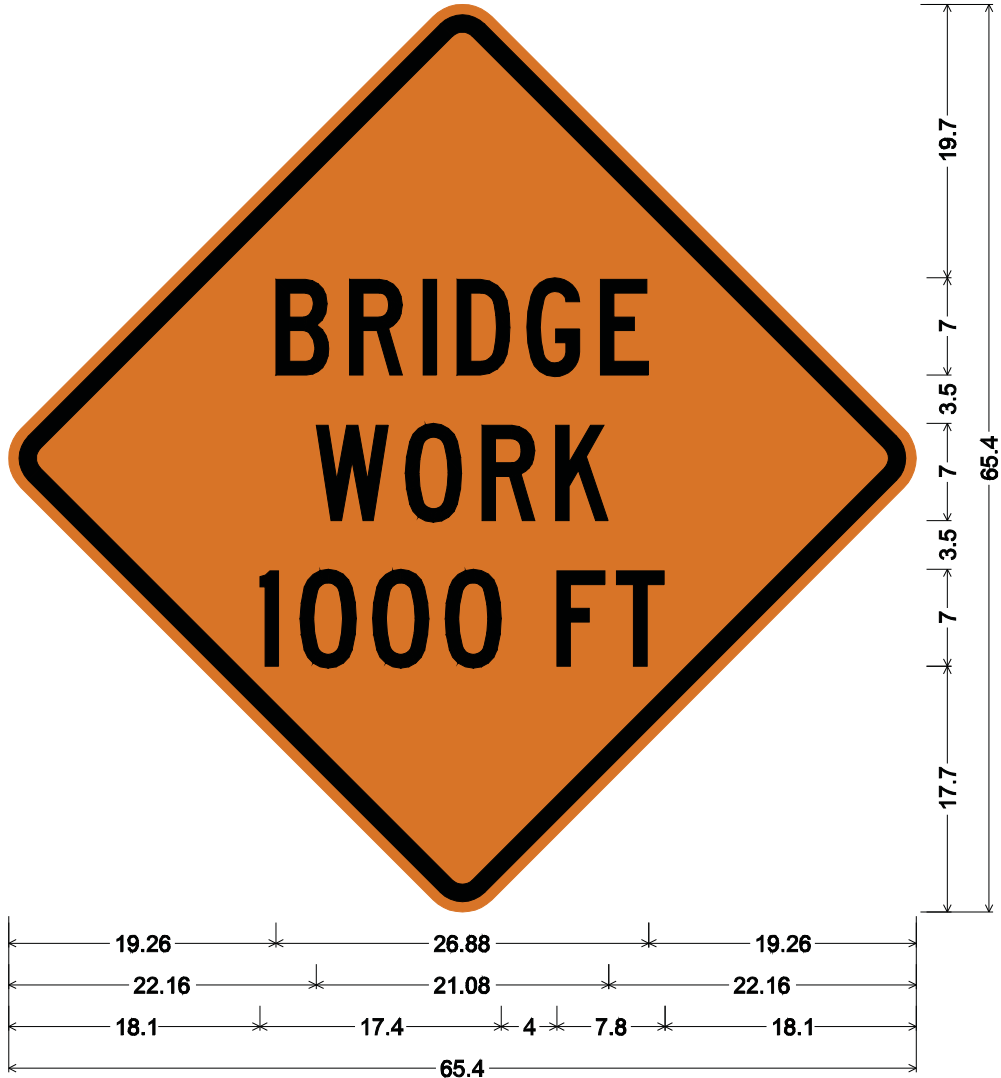
48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[BRIDGE] C; [WORK] C; [1/2] C; [MILE] C;

Table of distances between letter and object lefts.

19.26	B	R	I	D	G	E	19.26
	5.30	5.31	2.45	5.01	5.31	3.50	
22.16	W	O	R	K		22.16	
	6.43	5.52	5.30	3.83			
17.99	1/2	M	I	L	E	18.00	
	12.76	6.01	2.46	4.68	3.50		

# W20-6-48



W20-6-48;

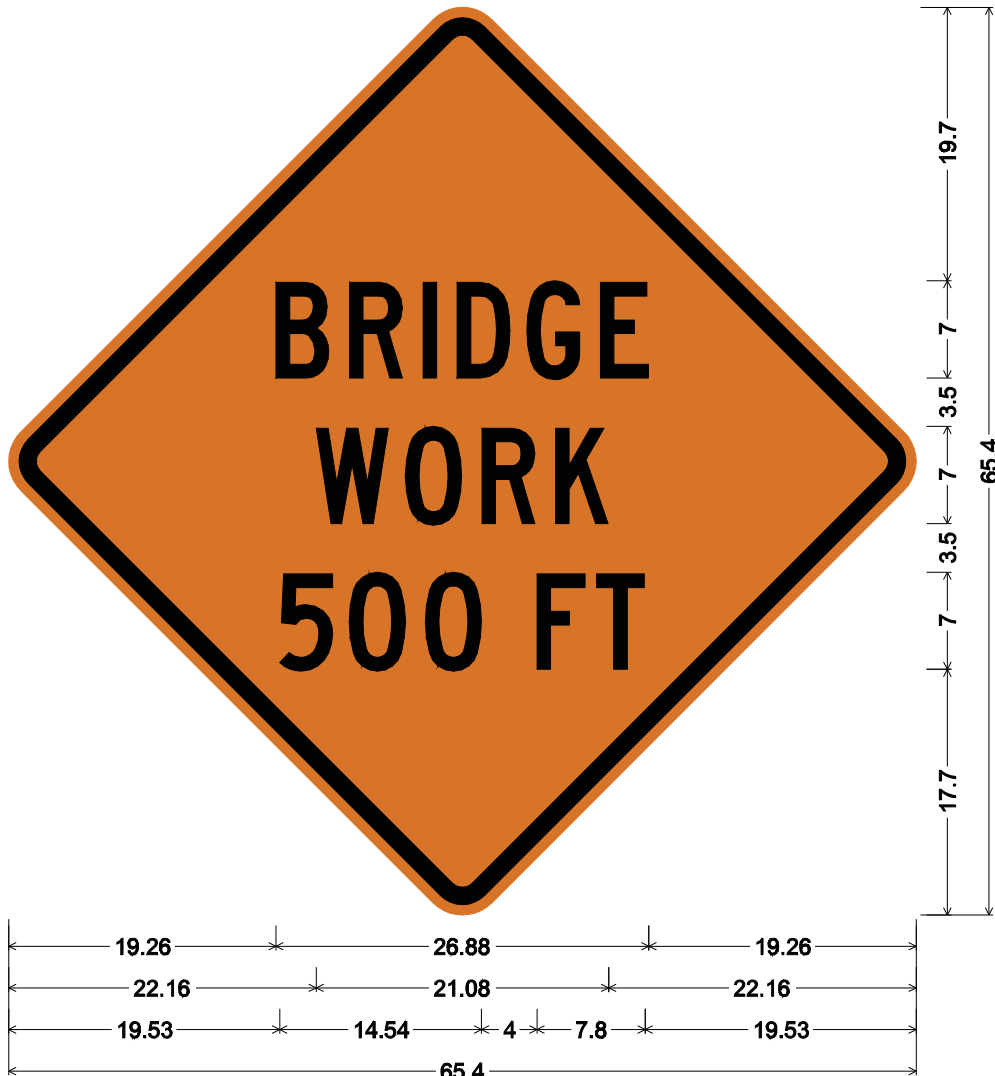
48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[BRIDGE] C; [WORK] C; [1000] C; [FT] C;

Table of distances between letter and object lefts.

19.26	B	R	I	D	G	E	19.26
	5.30	5.31	2.45	5.01	5.31	3.50	
22.16	W	O	R	K	22.16		
	6.43	5.52	5.30	3.83			
18.10	I	O	O	O	F	T	18.10
	2.90	5.23	5.23	8.04	4.30	3.50	

# W20-6-48



W20-6-48;

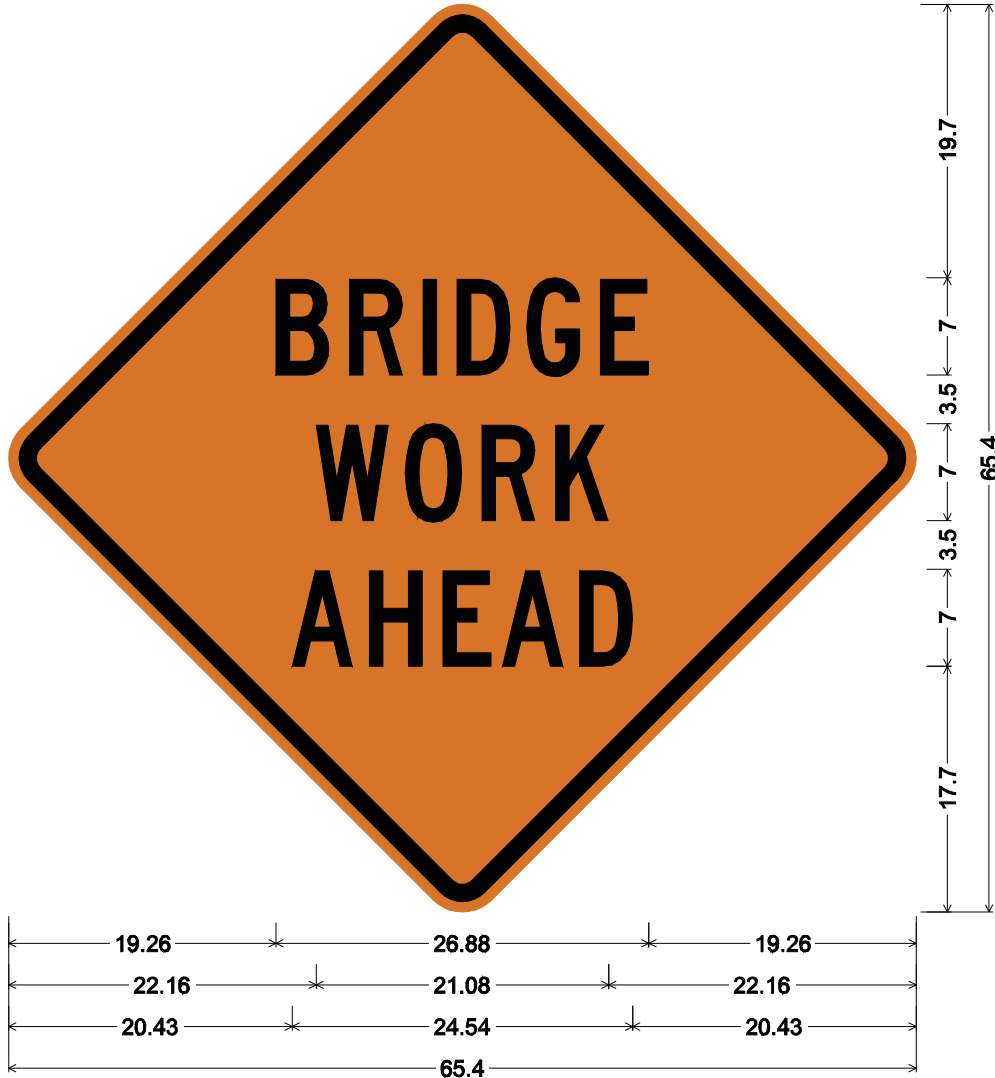
48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[BRIDGE] C; [WORK] C; [500] C; [FT] C;

Table of distances between letter and object lefts.

19.26	B	R	I	D	G	E	19.26
	5.30	5.31	2.45	5.01	5.31	3.50	
22.16	W	O	R	K		22.16	
	6.43	5.52	5.30	3.83			
19.53	5	0	0	F	T		19.53
	5.01	5.49	8.04	4.30	3.50		

# W20-6-48



W20-6-48;

48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[BRIDGE] C; [WORK] C; [AHEAD] C;

Table of distances between letter and object lefts.

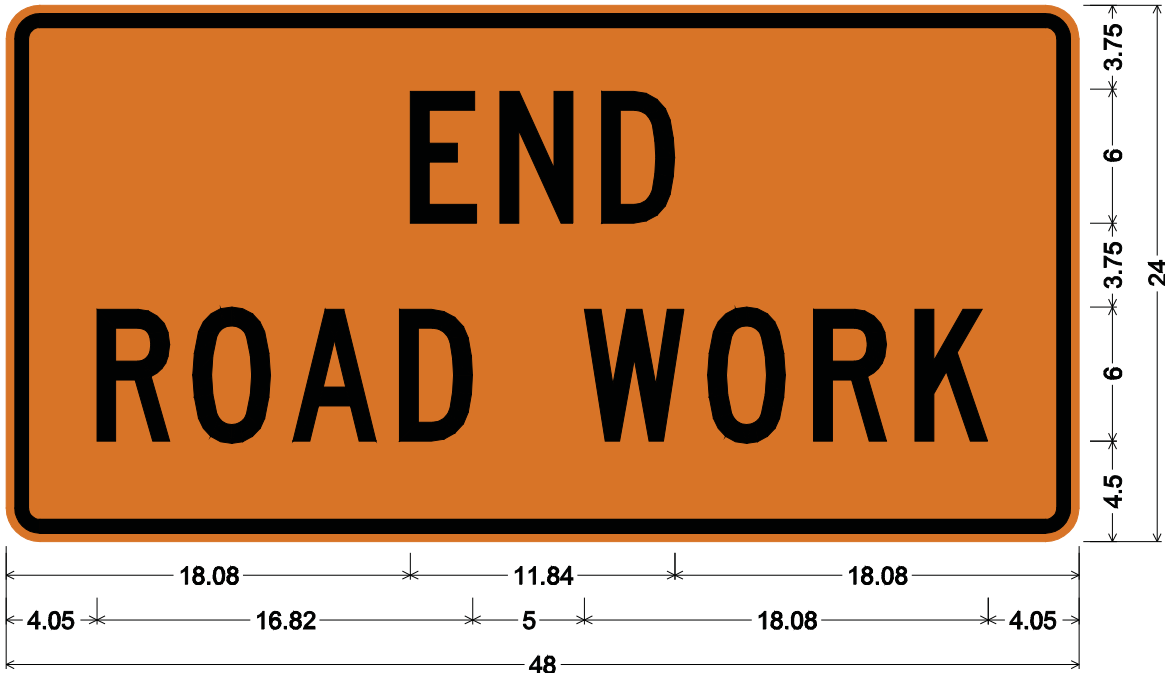
19.26	B	R	I	D	G	E	19.26
	5.30	5.31	2.45	5.01	5.31	3.50	
22.16	W	O	R	K			22.16
	6.43	5.52	5.30	3.83			
20.43	A	H	E	A	D		20.43
	5.56	5.30	4.29	5.56	3.83		





# G20-2-48

SCDOT has adopted G20-2-48 for use on primary routes and interstate and freeway applications. This sign was modified to make it larger than recommended in the MUTCD.



G20-2-48; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on Orange;

[END] C; [ROAD] C; [WORK] C;

Table of distances between letter and object lefts.

18.08	E	N	D	18.08				
4.01	4.55	3.28						
R	O	A	D	W	O	R	K	4.05
4.30	4.48	4.76	8.28	5.52	4.73	4.54	3.29	



# W5-6A-48 & W5-6B-48

These signs were developed for areas where the lane widths have been significantly narrowed. The signs are available with the appropriate distances, ½ mile, 1000 feet, 500 feet, and Ahead.



W5-6A-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[LANE] C; [NARROWS] C; [1/2] C; [MILE] C;

Table of distances between letter and object lefts.

23.57	L	A	N	E	23.57			
	3.90	5.55	5.31	3.50				
14.51	N	A	R	R	O	W	S	14.52
	5.01	5.56	5.30	5.01	5.23	6.44	3.82	
17.99	1/2	M	I	L	E	18.00		
	12.76	6.01	2.46	4.68	3.50			



# W5-6A-48 & W5-6B-48



W5-6A-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[LANE] C; [NARROWS] C; [1000] C; [FT] C;

Table of distances between letter and object lefts.

23.57	L	A	N	E						
	3.90	5.55	5.31	3.50	23.57					
14.51	N	A	R	R	O	W	S			
	5.01	5.56	5.30	5.01	5.23	6.44	3.82	14.52		
18.10	I	D	O	O	F	T				
	2.90	5.23	5.23	8.04	4.30	3.50	18.10			



# W5-6A-48 & W5-6B-48



W5-6A-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[LANE] C; [NARROWS] C; [500] C; [FT] C;

Table of distances between letter and object lefts.

23.57	L	A	N	E						
	3.90	5.55	5.31	3.50	23.57					
14.51	N	A	R	R	O	W	S			
	5.01	5.56	5.30	5.01	5.23	6.44	3.82	14.52		
19.66	5	0	0	F	T					
	5.01	5.23	8.04	4.30	3.50	19.66				



# W5-6A-48 & W5-6B-48



W5-6A-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[LANE] C; [NARROWS] C; [AHEAD] C;

Table of distances between letter and object lefts.

23.57	L	A	N	E						
	3.90	5.55	5.31	3.50	23.57					
14.51	N	A	R	R	O	W	S			
	5.01	5.56	5.30	5.01	5.23	6.44	3.82	14.52		
20.43	A	H	E	A	D					
	5.56	5.30	4.29	5.56	3.83	20.43				



# W5-6A-48 & W5-6B-48



W5-6B-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[LANES] C; [NARROW] C; [1/2] C; [MILE] C;

Table of distances between letter and object lefts.

21.07	L	A	N	E	S	21.07
	3.89	5.56	5.30	4.68	3.83	
17.02	N	A	R	R	O	W
	5.01	5.56	5.30	5.01	5.23	5.25
17.99	1/2	M	I	L	E	18.00
	12.76	8.01	2.48	4.68	3.50	



# W5-6A-48 & W5-6B-48



W5-6B-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[LANES] C; [NARROW] C; [1000] C; [FT] C;

Table of distances between letter and object lefts.

21.07	L	A	N	E	S	21.07	
	3.89	5.58	5.30	4.68	3.83		
17.02	N	A	R	R	O	W	17.02
	5.01	5.58	5.30	5.01	5.23	5.25	
18.10	1	0	0	0	F	T	18.10
	2.90	5.23	5.23	8.04	4.30	3.50	



# W5-6A-48 & W5-6B-48



W5-6B-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;  
 [LANES] C; [NARROW] C; [500] C; [FT] C;  
 Table of distances between letter and object lefts.

21.07	L	A	N	E	S	21.07
	3.89	5.58	5.30	4.68	3.83	
17.02	N	A	R	R	O	17.02
	5.01	5.56	5.30	5.01	5.23	
19.66	5	O	O	F	T	19.66
	5.01	5.23	8.04	4.30	3.50	





# W5-6A-48 & W5-6B-48



W5-6B-48; 48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;  
 [LANES] C; [NARROW] C; [AHEAD] C;

Table of distances between letter and object lefts.

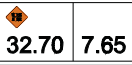
21.07	L	A	N	E	S	21.07
	3.89	5.58	5.30	4.68	3.83	
17.02	N	A	R	R	O	W
	5.01	5.58	5.30	5.01	5.23	5.25
20.43	A	H	E	A	D	20.43
	5.58	5.30	4.29	5.58	3.83	

# G20-5-48

Sign number G20-5-48 was adopted by SCDOT as a part of its work zone awareness campaign. This sign is used in most major construction projects and is placed in accordance with SCDOT's standard drawings.

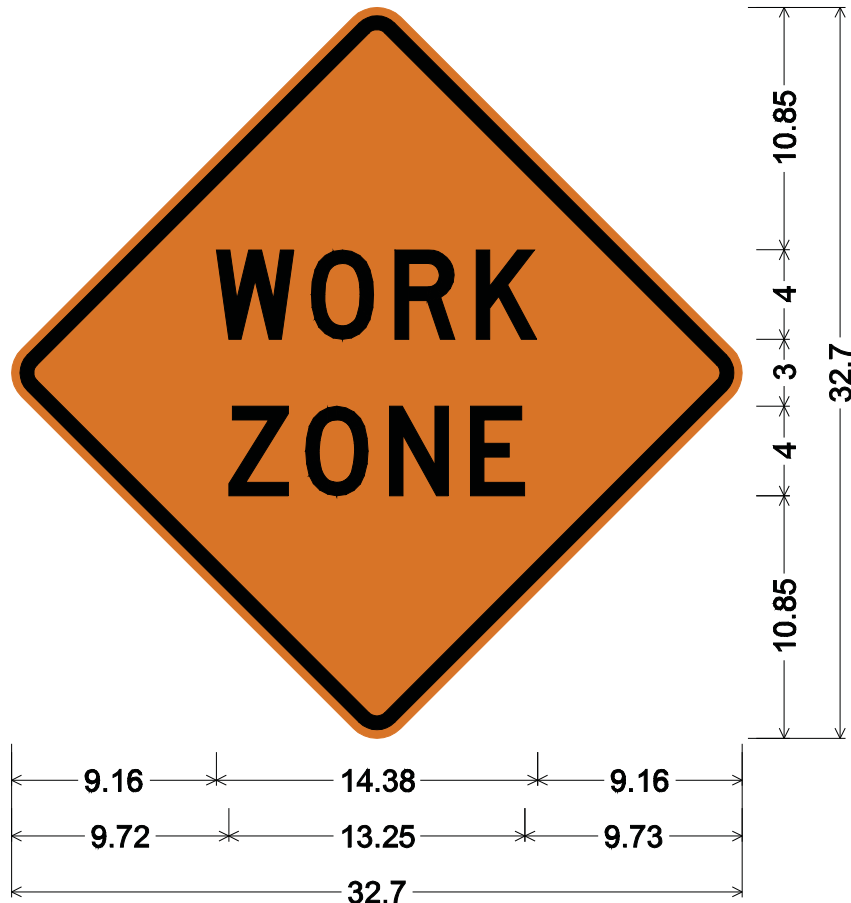


G20-5-48; 3.00" Radius, 1.25" Border, 0.75" Indent, Black on White;  
[LET] C; ['EM] C; [WORK] C; ssas; [LET] C; ['EM] C; [LIVE] C;  
Table of distances between letter and object lefts.

	L	E	T	'	E	M	W	O	R	K	
5.09	3.34	3.07	5.50	1.27	3.34	6.24	4.60	3.94	3.79	2.73	5.09
7.65			7.65								
	L	E	T	'	E	M	L	I	V	E	
6.98	3.34	3.07	5.50	1.26	3.35	6.24	3.34	1.55	3.89	2.50	6.98

# G20-5-48

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G20-5-48 Insert

24.00" across sides 1.50" Radius, 0.63" Border, 0.38" Indent;  
Black on Orange

[WORK] D; [ZONE] D;

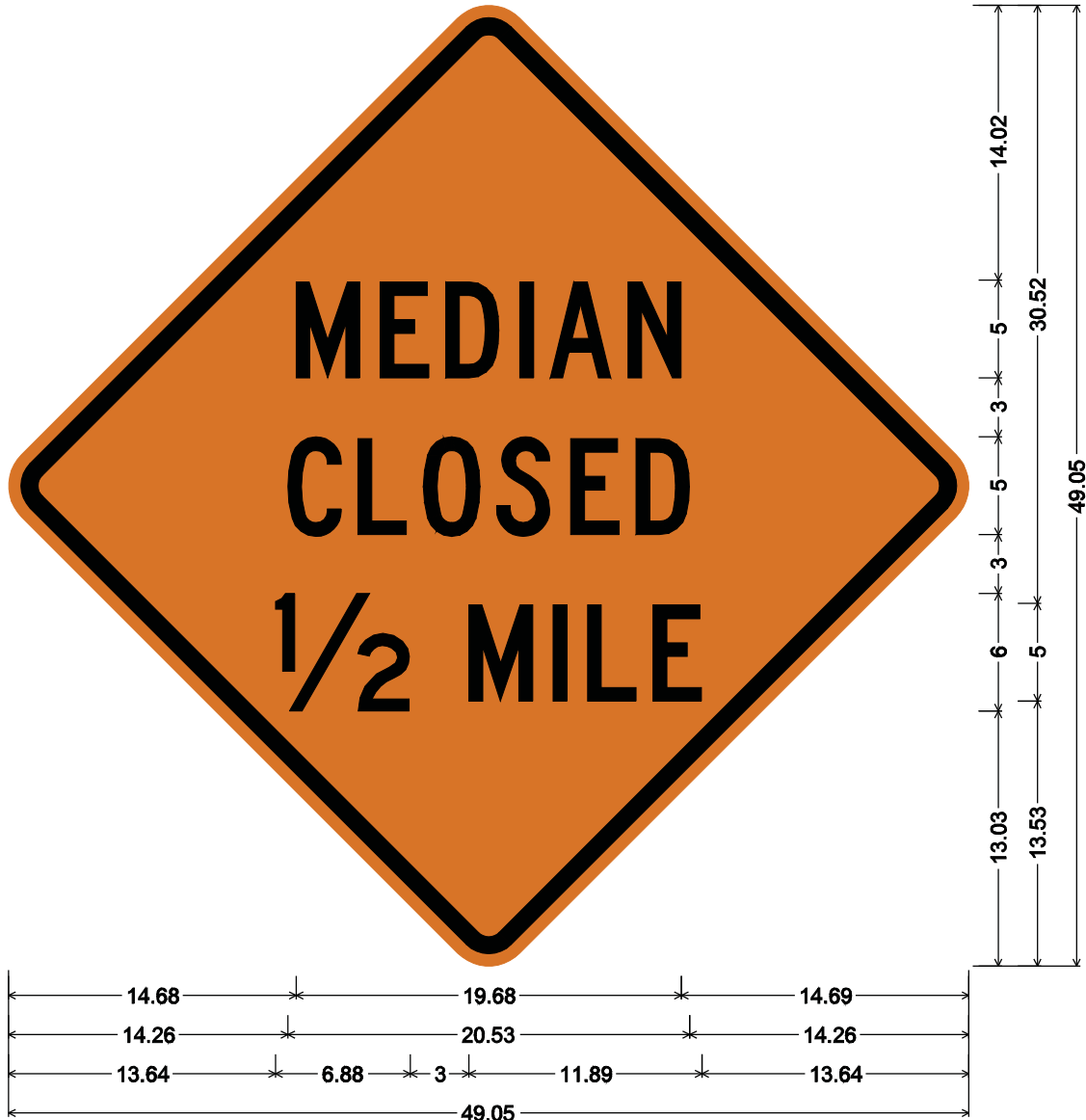
Table of distances between letter and object lefts.

9.16	<b>W</b>	<b>O</b>	<b>R</b>	<b>K</b>	9.16
	4.25	3.75	3.63	2.75	
9.72	<b>Z</b>	<b>O</b>	<b>N</b>	<b>E</b>	9.73
	3.44	3.75	3.63	2.43	



# W20-15-36

SCDOT has developed the median closed sign with appropriate distances, ½ mile, 1000 feet, 500 feet, and Ahead.



W20-15-36;

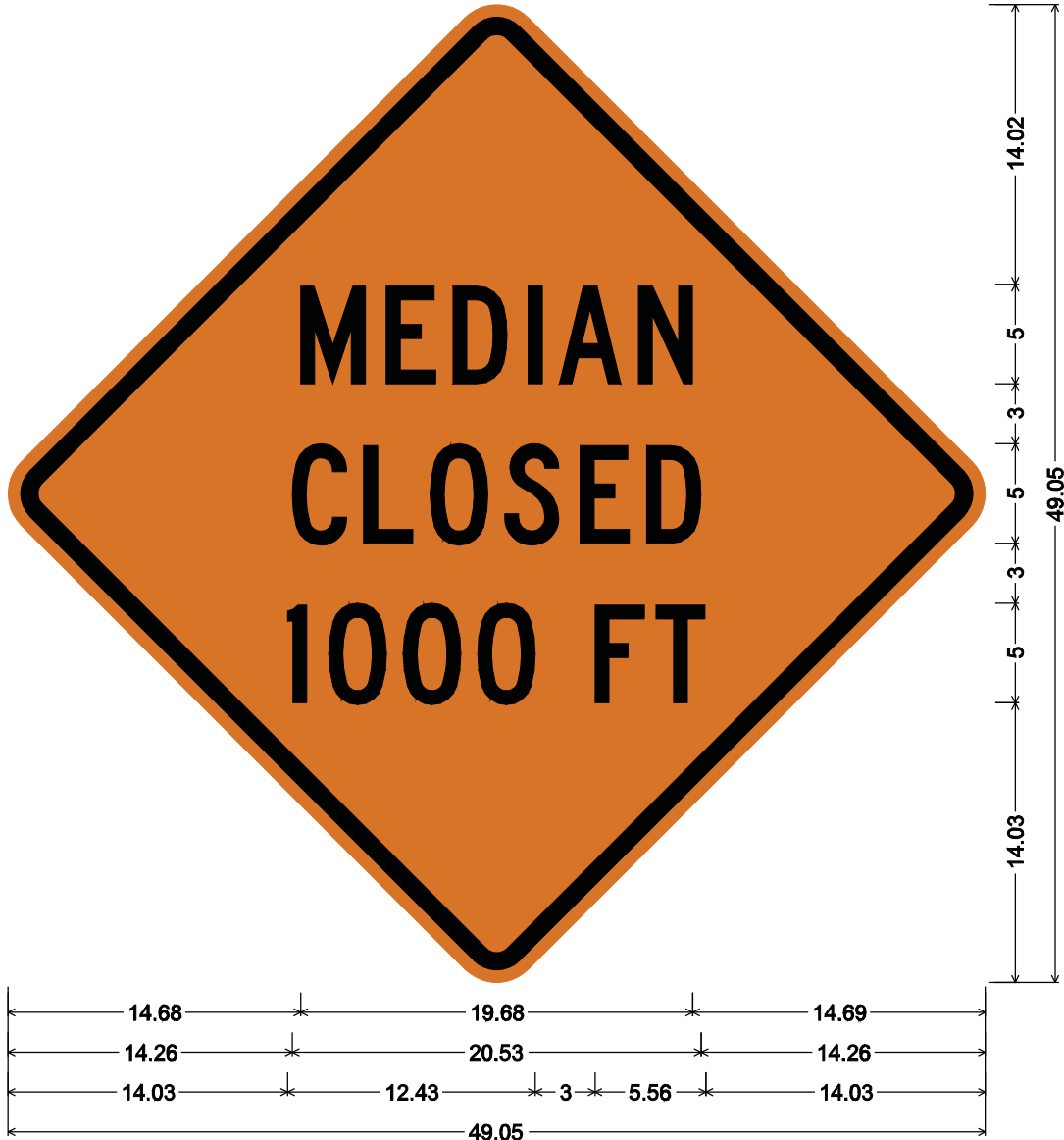
36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;

[MEDIAN] C; [CLOSED] C; [1/2] D; [MILE] C;

Table of distances between letter and object lefts.

14.68	M	E	D	I	A	N	14.69
4.30		3.34	3.79	1.55	3.97	2.73	
14.26	C	L	O	S	E	D	14.26
3.58		3.34	3.74	3.79	3.34	2.74	
13.64	1/2	M	I	L	E		13.64
9.88		4.29	1.76	3.34	2.50		

# W20-15-36



W20-15-36;

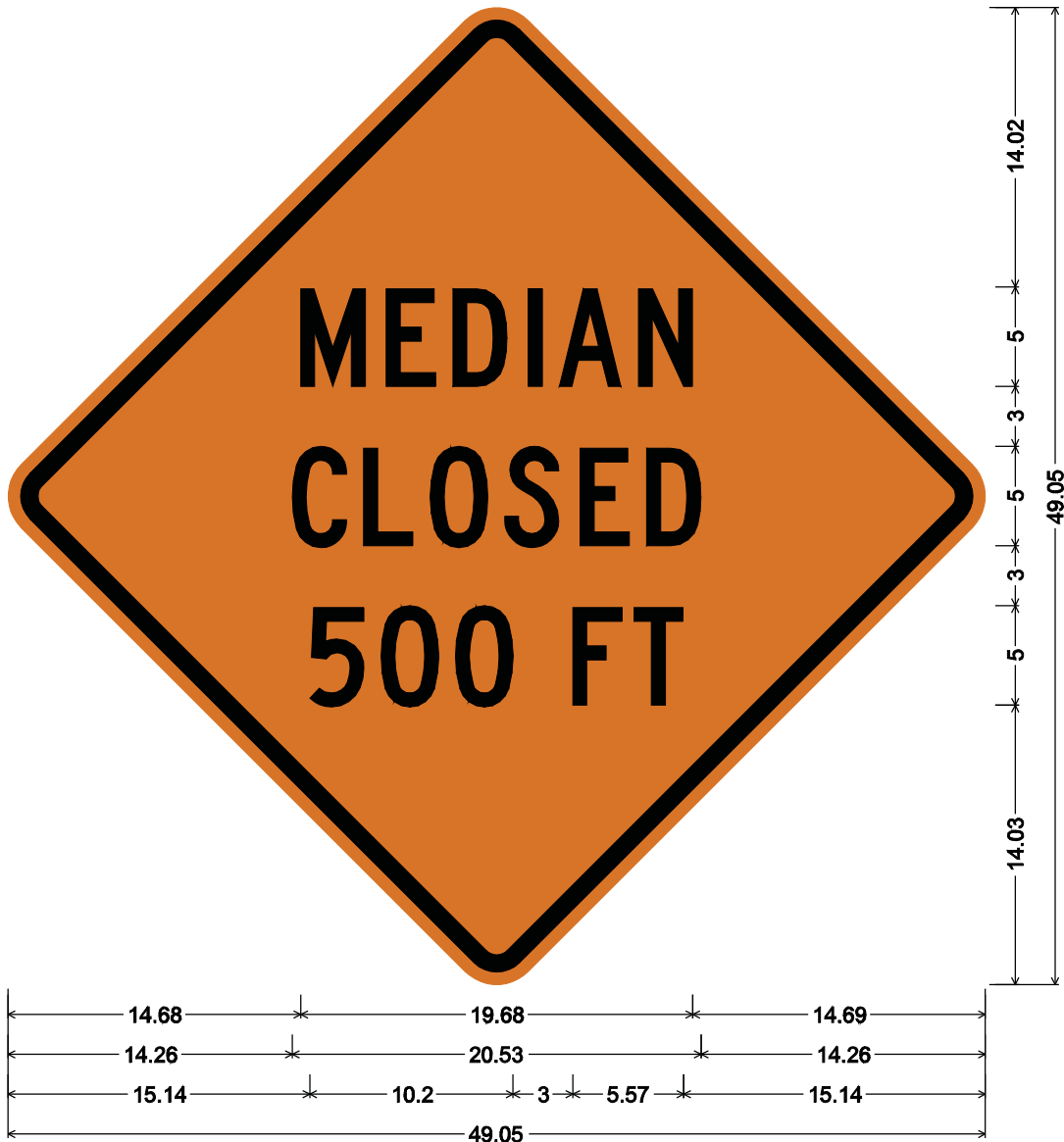
36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;

[MEDIAN] C; [CLOSED] C; [1000] C; [FT] C;

Table of distances between letter and object lefts.

14.68	M	E	D	I	A	N	14.69
4.30		3.34	3.79	1.55	3.97	2.73	
14.26	C	L	O	S	E	D	14.26
3.58		3.34	3.74	3.79	3.34	2.74	
14.03	1	0	0	0	F	T	14.03
2.06		3.74	3.73	5.90	3.06	2.50	

# W20-15-36



W20-15-36;

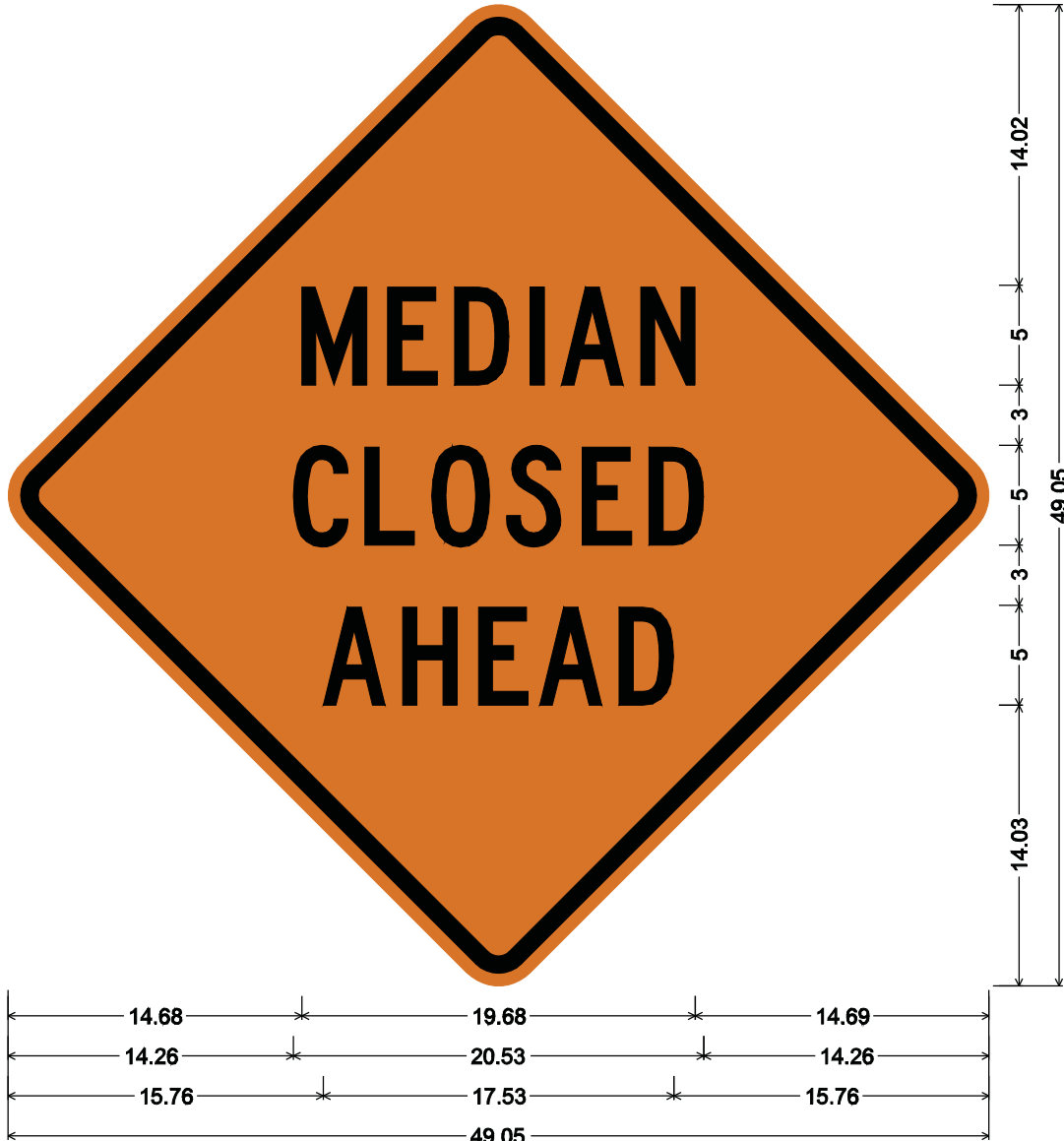
36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;

[MEDIAN] C; [CLOSED] C; [500] C; [FT] C;

Table of distances between letter and object lefts.

14.68	M	E	D	I	A	N	14.69
	4.30	3.34	3.79	1.55	3.97	2.73	
14.26	C	L	O	S	E	D	14.26
	3.58	3.34	3.74	3.79	3.34	2.74	
15.14	5	0	0	F	T	15.14	
	3.58	3.73	5.89	3.07	2.50		

# W20-15-36



W20-15-36;

36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;

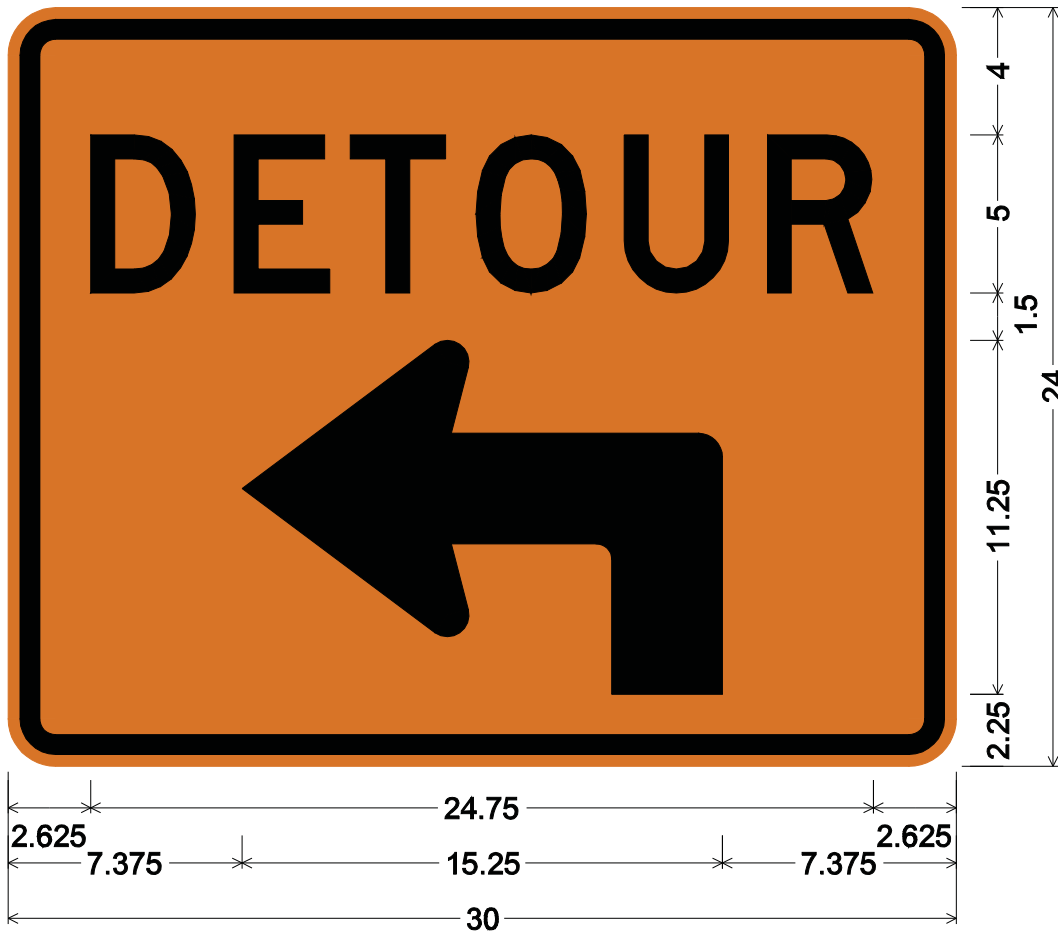
[MEDIAN] C; [CLOSED] C; [AHEAD] C;

Table of distances between letter and object lefts.

14.68	M	E	D	I	A	N	14.69
4.30	4.30	3.34	3.79	1.55	3.97	2.73	
14.26	C	L	O	S	E	D	14.26
3.58	3.58	3.34	3.74	3.79	3.34	2.74	
15.76	A	H	E	A	D	15.76	
3.97	3.97	3.79	3.06	3.97	2.74		

# M4 Series

In order to provide specific guidance beyond that contained in Part VI of the MUTCD, SCDOT has developed sign numbers M4-9.1L-30, M4-9.1L-48, M4-9.1R-30, M4-9.1R-48, M4-9.2L-30, M4-9.2L-48, M4-9.2R-30, M4-9.2R-48, M4-9-30 and M4-9-48, which provide for arrows on the detour signs for non-numbered routes.




M4-9.1L-30;

1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;

[DETOUR] D;

90 Deg Advanced Turn Arrow Custom 15.250" X 11.250";

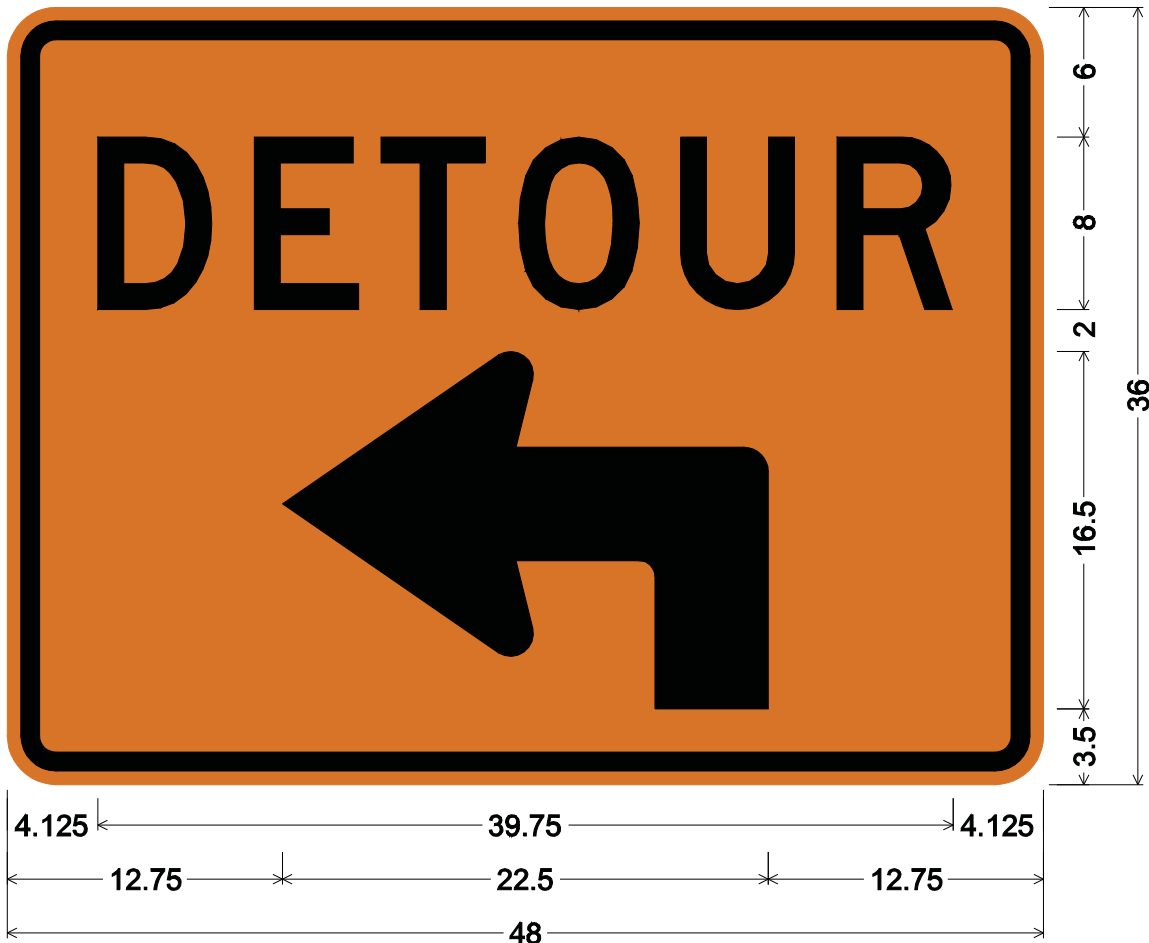
Table of distances between letter and object lefts.

2.625	<b>D</b> 4.500	<b>E</b> 3.750	<b>T</b> 3.875	<b>O</b> 4.750	<b>U</b> 4.500	<b>R</b> 3.375	2.625
7.375	 15.250	7.375					



# M4 Series

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M4-9.1L-48;


2.250" Radius, 0.875" Border, 0.625" Indent, Black on Orange;

[DETOUR] D;

90 Deg Advanced Turn Arrow Custom 22.500" X 16.625";

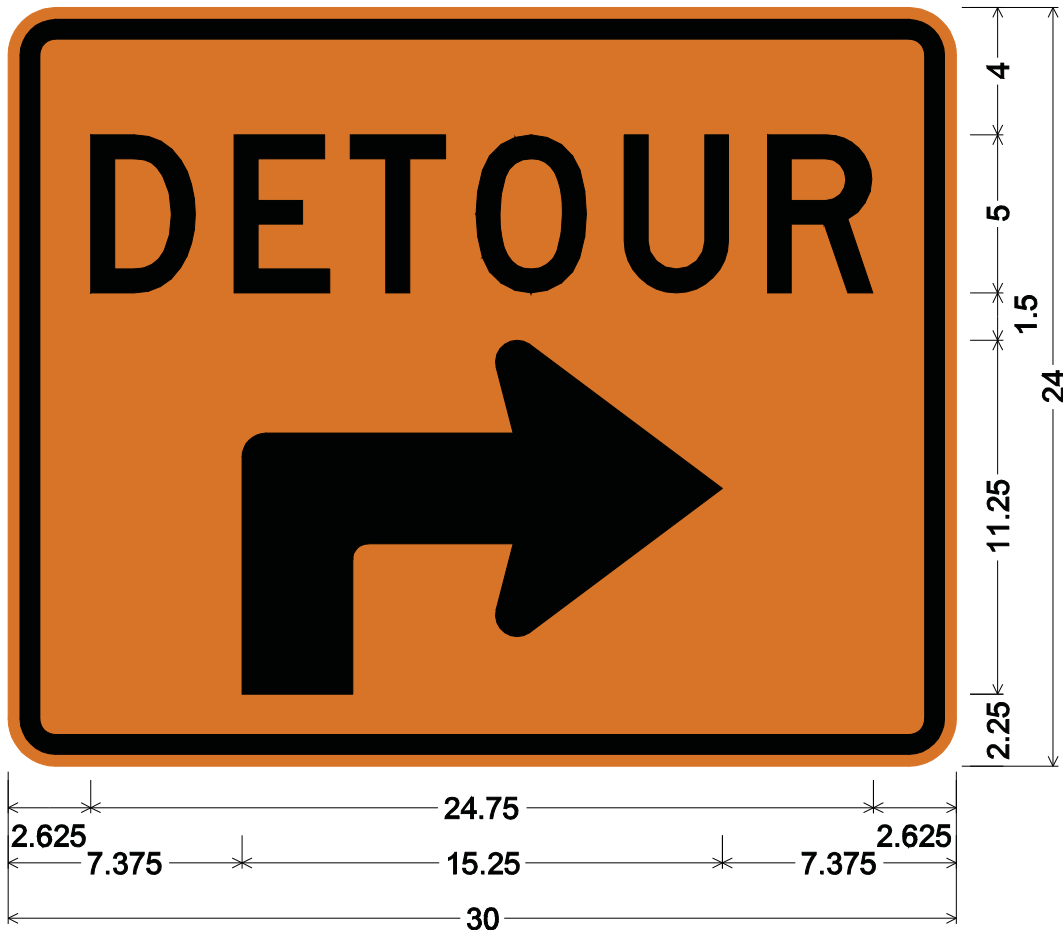
Table of distances between letter and object lefts.

	<b>D</b>	<b>E</b>	<b>T</b>	<b>O</b>	<b>U</b>	<b>R</b>	
4.125	7.250	5.875	6.375	7.625	7.250	5.375	4.125

		
12.750	22.500	12.750

# M4 Series

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M4-9.1R-30;

1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;

[DETOUR] D;

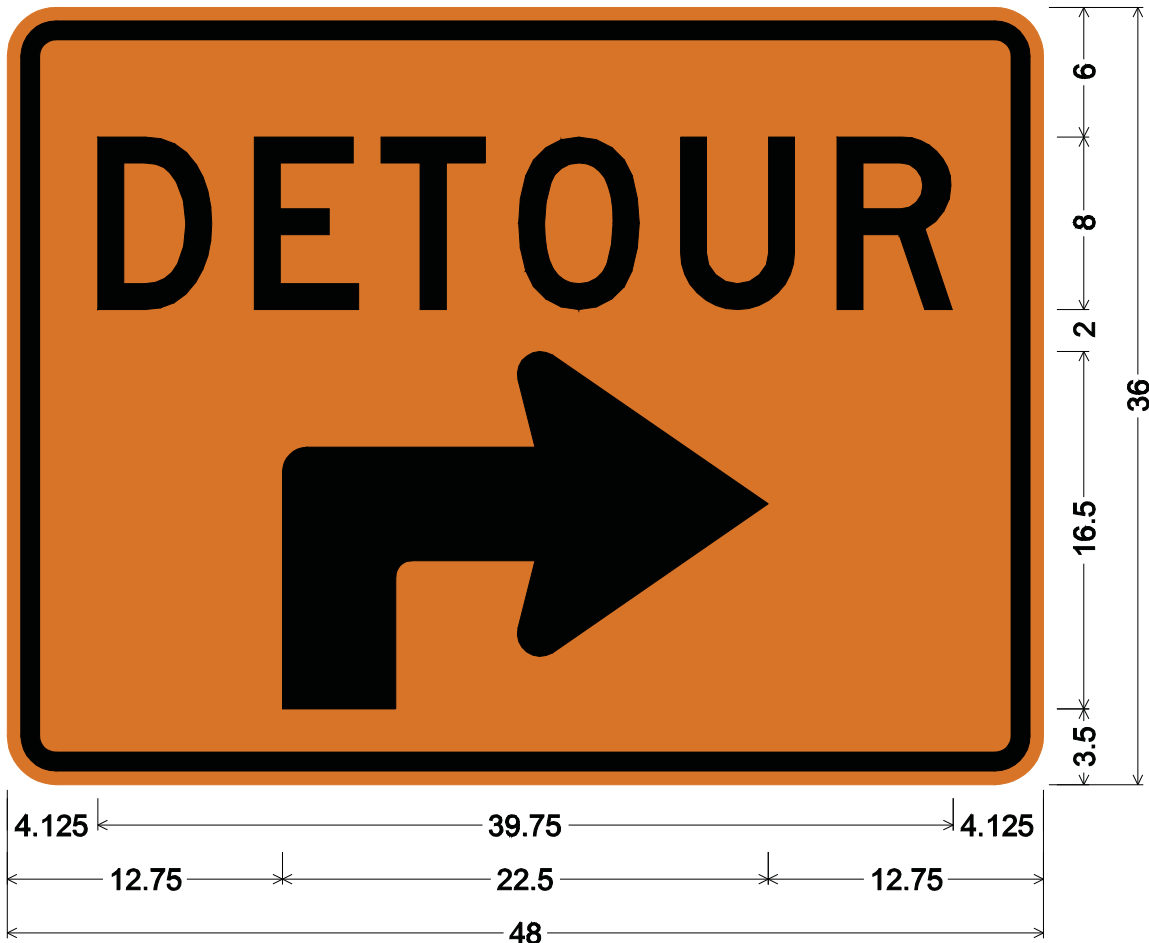
90 Deg Advanced Turn Arrow Custom 15.250" X 11.250";

Table of distances between letter and object lefts.

	<b>D</b>	<b>E</b>	<b>T</b>	<b>O</b>	<b>U</b>	<b>R</b>	
2.625	4.500	3.750	3.875	4.750	4.500	3.375	2.625
							
7.375	15.250	7.375					

# M4 Series

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M4-9.1R-48;

2.250" Radius, 0.875" Border, 0.625" Indent, Black on Orange;

[DETOUR] D;

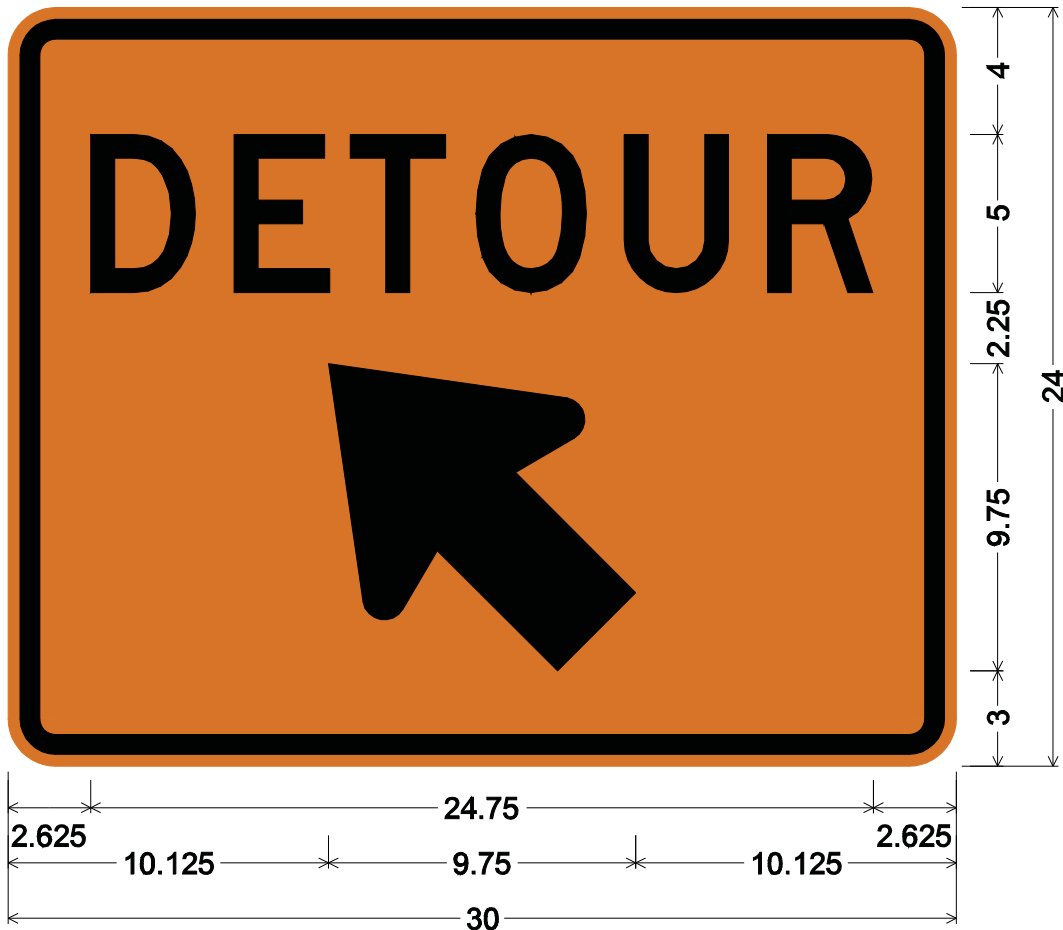
90 Deg Advanced Turn Arrow Custom 22.500" X 16.625";

Table of distances between letter and object lefts.

4.125	<b>D</b>	<b>E</b>	<b>T</b>	<b>O</b>	<b>U</b>	<b>R</b>	4.125
	7.250	5.875	6.375	7.625	7.250	5.375	
12.750		12.750					
	22.500						

# M4 Series

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M4-9.2L-30;

1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;

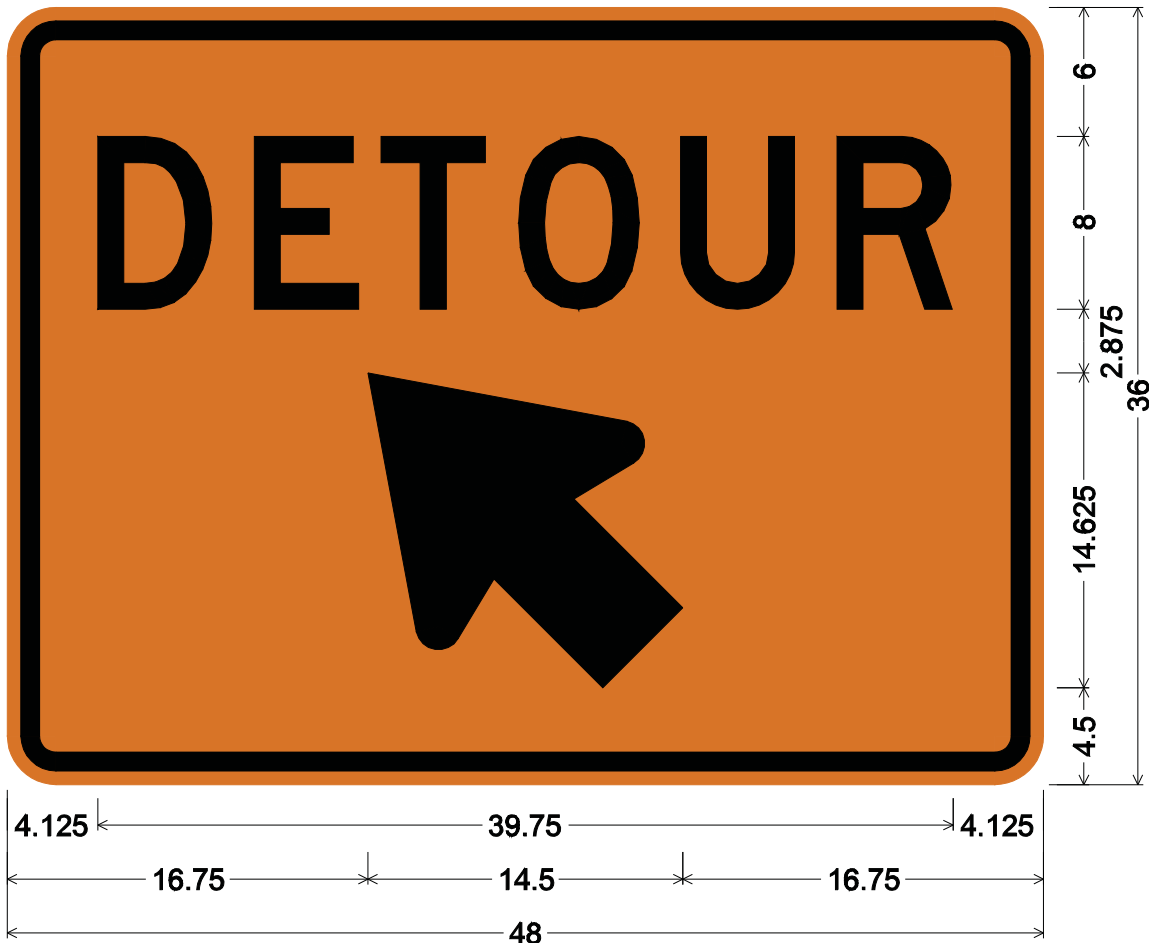
[DETOUR] D; Standard Arrow Custom 12.000" X 9.375" 135°;

Table of distances between letter and object lefts.

2.625	D	E	T	O	U	R	2.625
	4.500	3.750	3.875	4.750	4.500	3.375	
10.125	↖	10.125					
	9.750						

# M4 Series

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M4-9.2L-48;

2.250" Radius, 0.875" Border, 0.625" Indent, Black on Orange;

[DETOUR] D; Standard Arrow Custom 18.000" X 14.125" 135°;

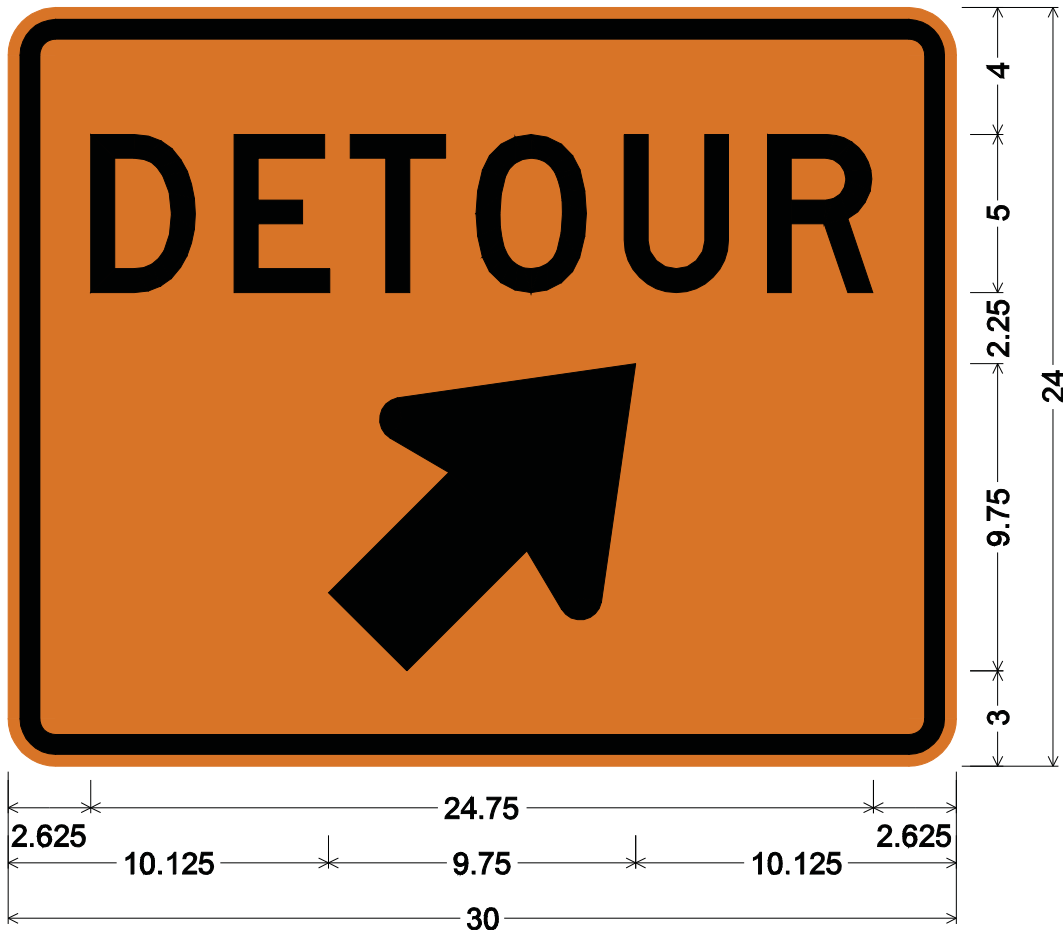
Table of distances between letter and object lefts.

4.125	D	E	T	O	U	R	4.125
	7.250	5.875	6.375	7.625	7.250	5.375	

16.750	14.500	16.750

# M4 Series

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M4-9.2R-30;

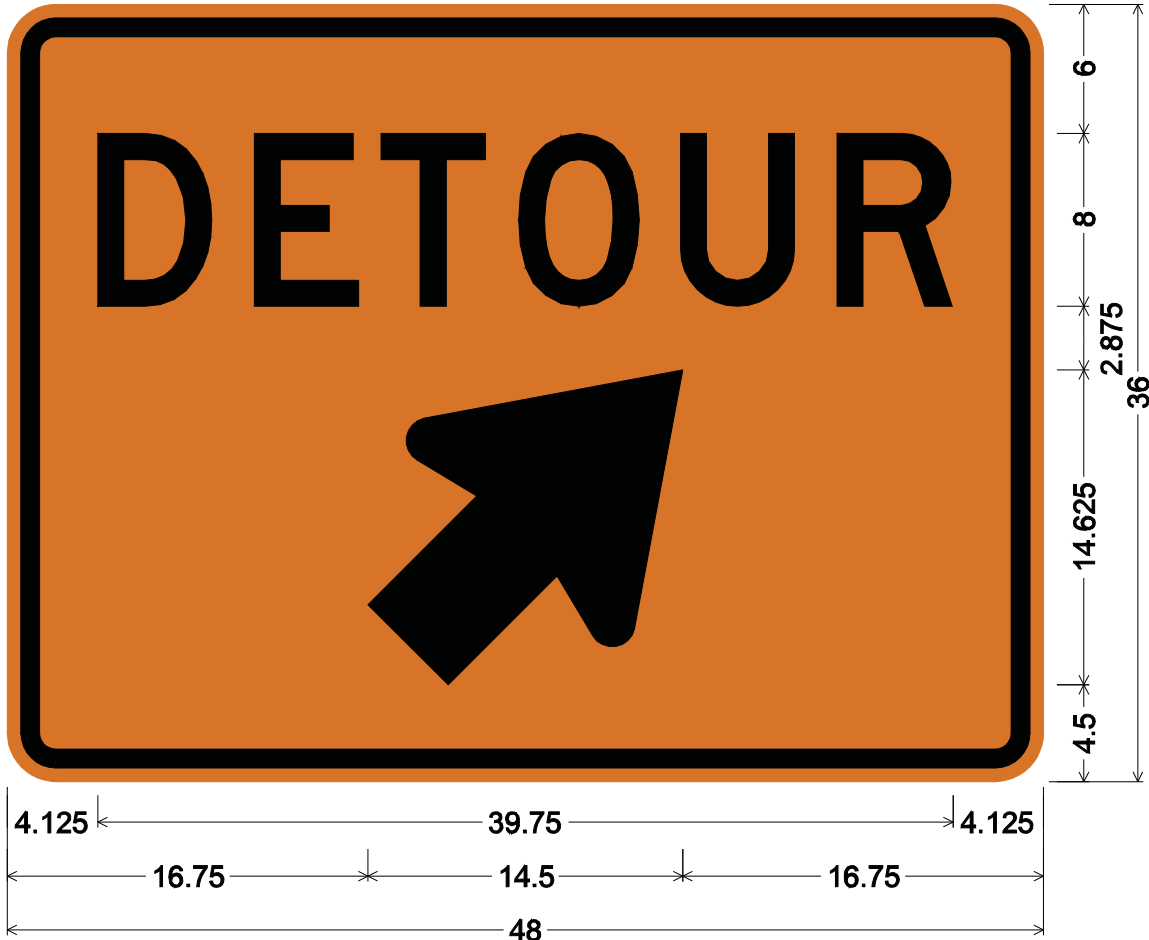
1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;

[DETOUR] D; Standard Arrow Custom 12.000" X 9.375" 45°;

Table of distances between letter and object lefts.

2.625	<b>D</b>	<b>E</b>	<b>T</b>	<b>O</b>	<b>U</b>	<b>R</b>	2.625
10.125	4.500	3.750	3.875	4.750	4.500	3.375	10.125
10.125	9.750	10.125					

# M4 Series



M4-9.2R-48;

2.250" Radius, 0.875" Border, 0.625" Indent, Black on Orange;

[DETOUR] D; Standard Arrow Custom 18.000" X 14.125" 45°;

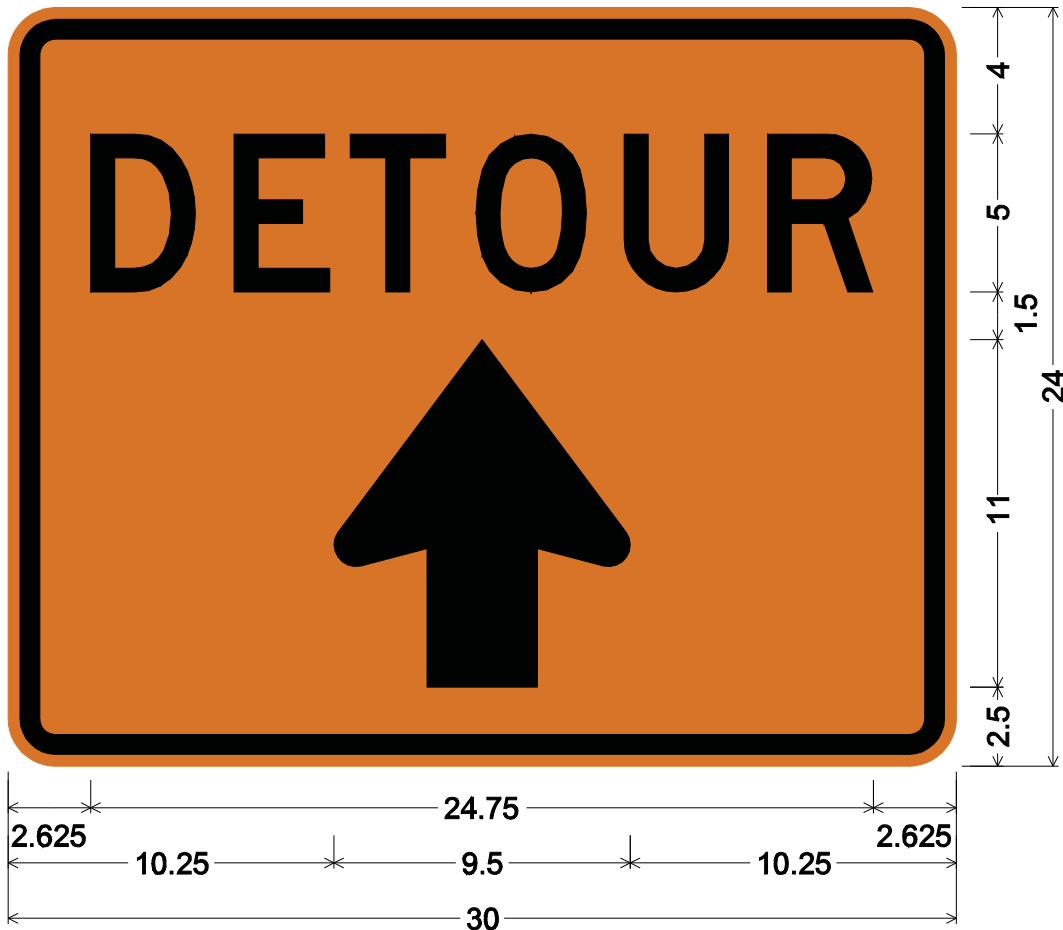
Table of distances between letter and object lefts.

	<b>D</b>	<b>E</b>	<b>T</b>	<b>O</b>	<b>U</b>	<b>R</b>	
4.125	7.250	5.875	6.375	7.625	7.250	5.375	4.125

16.750	14.500	16.750

# M4 Series

---



M4-9-30;

1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;

[DETOUR] D; Standard Arrow Custom 11.000" X 9.375" 90°;

Table of distances between letter and object lefts.

2.625	D	E	T	O	U	R	2.625
	4.500	3.750	3.875	4.750	4.500	3.375	
10.250	↑	9.500	10.250				



# M4 Series



M4-9-48;

2.250" Radius, 0.875" Border, 0.625" Indent, Black on Orange;

[DETOUR] D; Standard Arrow Custom 16.000" X 14.125" 90°;

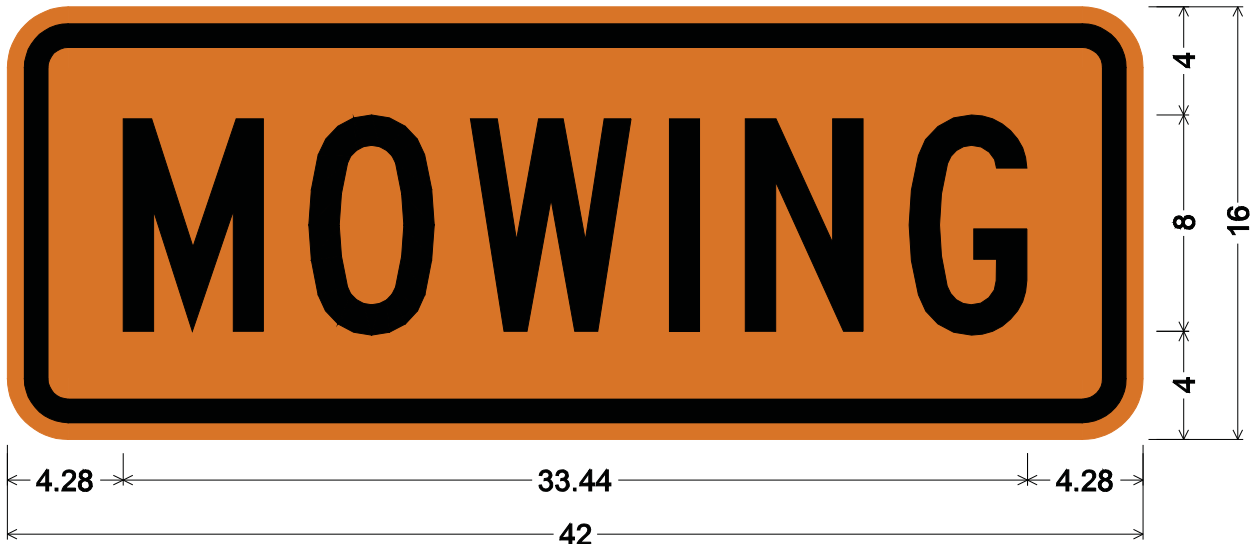
Table of distances between letter and object lefts.

	<b>D</b>	<b>E</b>	<b>T</b>	<b>O</b>	<b>U</b>	<b>R</b>	
4.125	7.250	5.875	6.375	7.625	7.250	5.375	4.125

	<b>↑</b>	
17.000	14.125	16.875

# W21-9.5-42

W21-9.5-42 has been developed for attachment to tractors to advise motorists of mowing operations within the right-of-way.



W21-9.5-42; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;  
[MOWING] C;

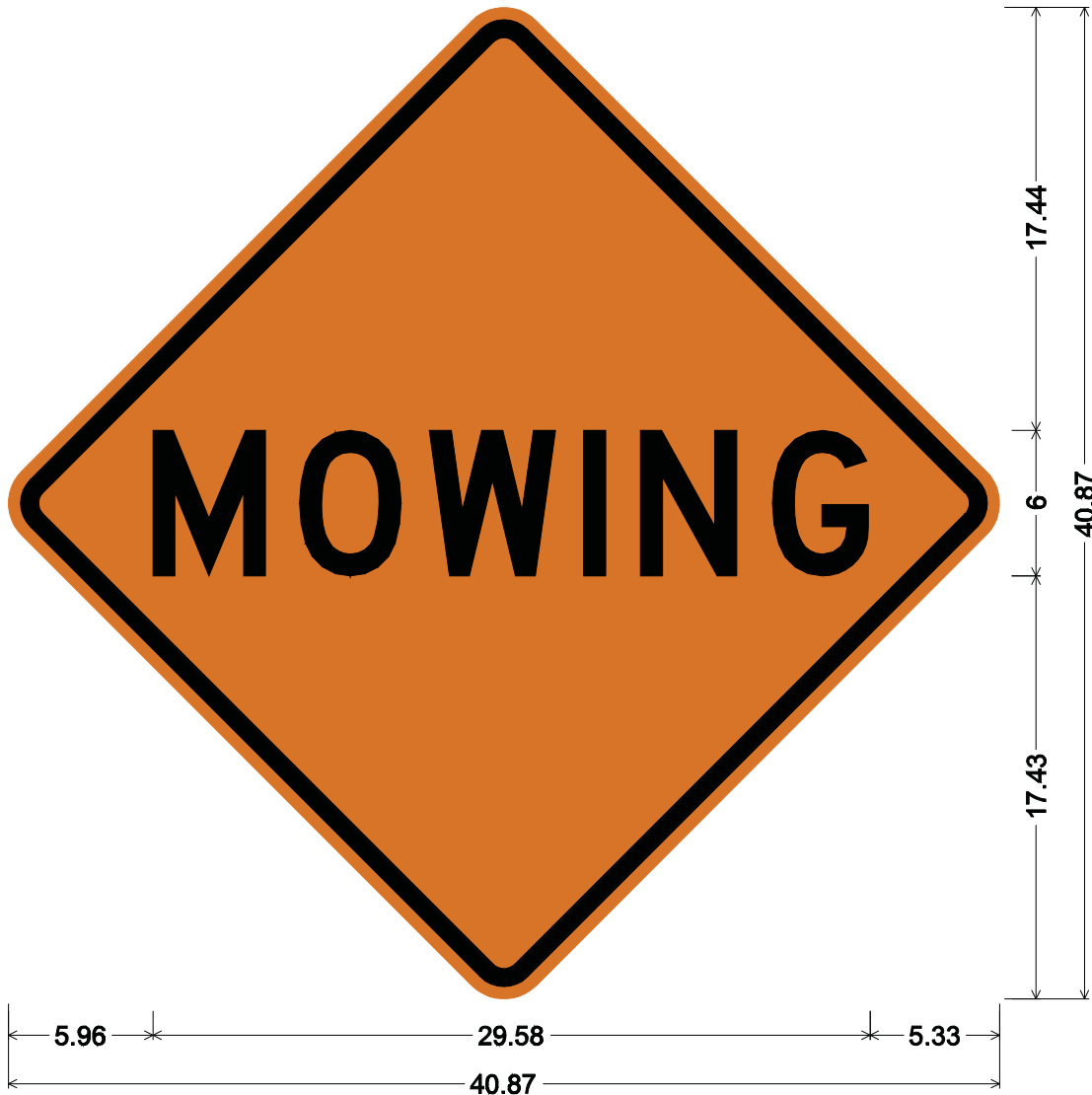
Table of distances between letter and object lefts.

	<b>M</b>	<b>O</b>	<b>W</b>	<b>I</b>	<b>N</b>	<b>G</b>	
4.28	6.87	5.98	7.35	2.81	6.06	4.37	4.28



# W21-9-30, W21-9-36 & W21-9-48

W21-9-30, W21-9-36, and W21-9-48 have been developed to provide advance warning of mowing operations in the right-of-way. This sign is normally accompanied by a supplemental plaque, next miles (W7-3A-42).



W21-9-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Orange; [MOWING] D;

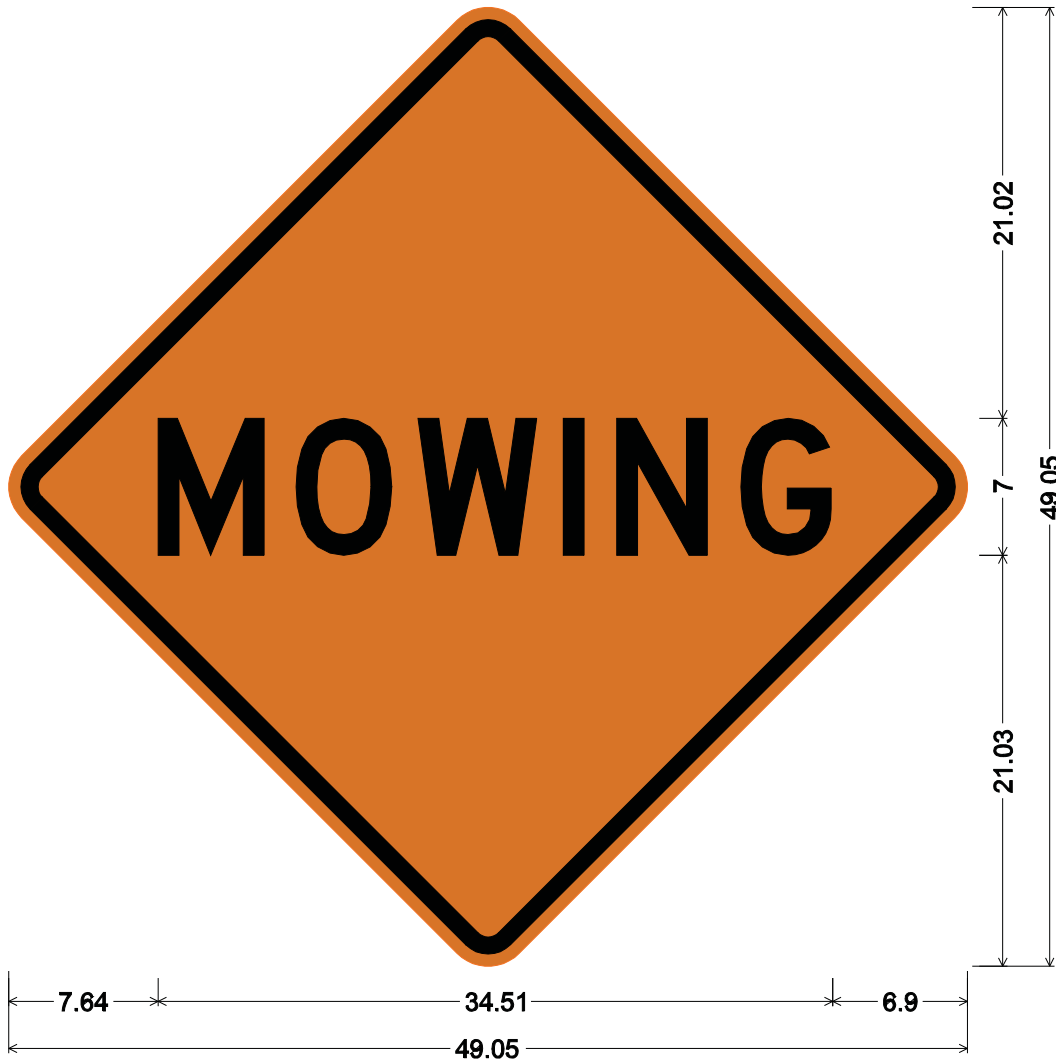
Table of letter and object lefts.

<b>M</b>	<b>O</b>	<b>W</b>	<b>I</b>	<b>N</b>	<b>G</b>
5.96	12.01	17.35	23.73	26.07	31.51



# W21-9-30, W21-9-36 & W21-9-48

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W21-9-36;

36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;

[MOWING] D;

Table of letter and object lefts.

M	O	W	I	N	G
7.64	14.70	20.93	28.37	31.11	37.45



W21-9-30, W21-9-36 & W21-9-48

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W21-9-48;

48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

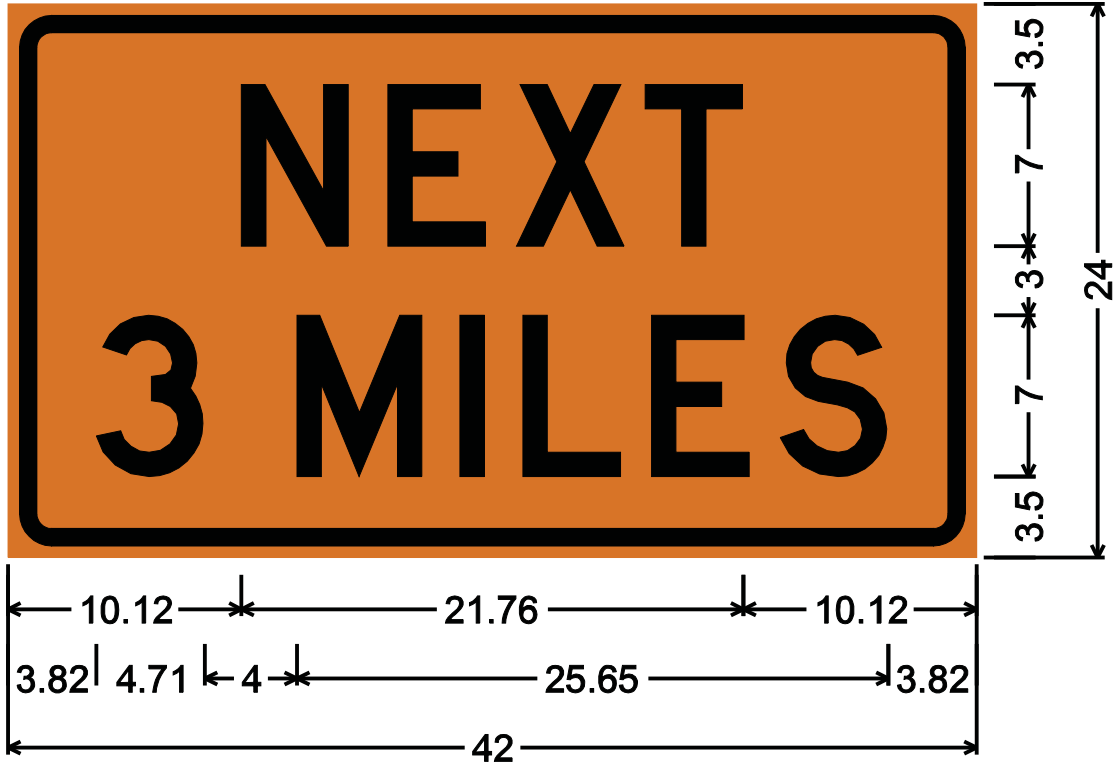
[MOWING] D;

Table of letter and object lefts.

<b>M</b>	<b>O</b>	<b>W</b>	<b>I</b>	<b>N</b>	<b>G</b>
8.55	18.63	27.53	38.16	42.07	51.13



W21-9-30, W21-9-36 & W21-9-48



W7-3A-42

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Orange;

[NEXT] D; [3] D; [MILES] D;

Table of distances between letter and object lefts.

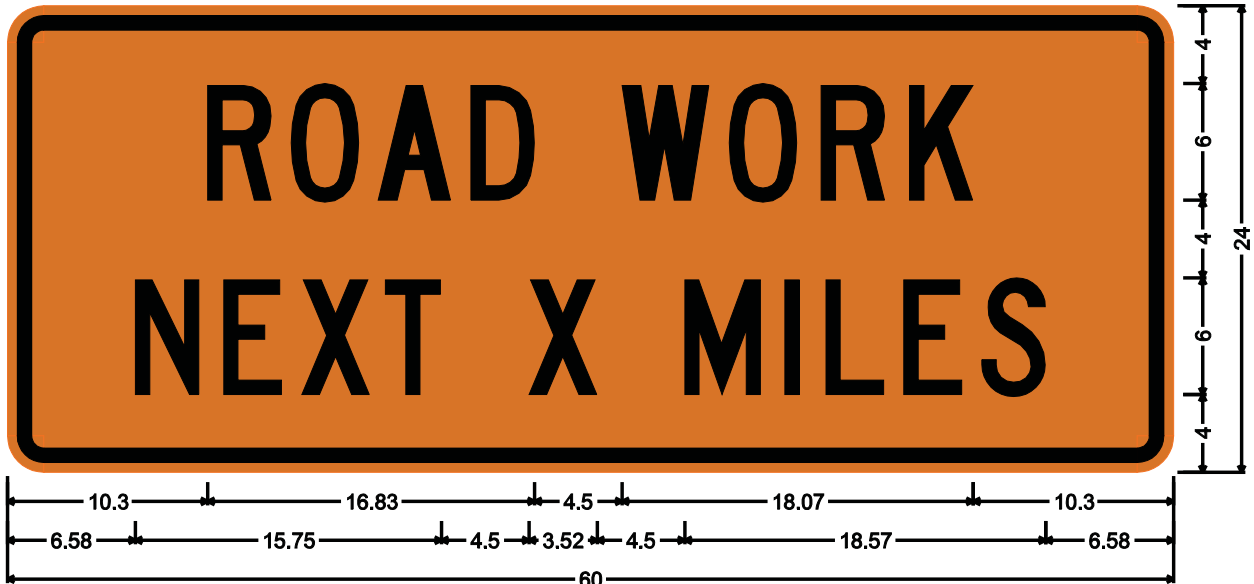
	<b>N</b>	<b>E</b>	<b>X</b>	<b>T</b>	
10.12	6.34	5.58	5.58	4.26	10.12

	<b>3</b>	<b>M</b>	<b>I</b>	<b>L</b>	<b>E</b>	<b>S</b>	
3.82	8.71	7.05	2.74	5.58	5.57	4.71	3.82



# G20-1-60

SCDOT has adopted G20-1-60 for all applications. This sign was modified to make it larger than recommended in the MUTCD.



G20-1-60; 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Orange;

[ROAD] C; [WORK] C; [NEXT] C; [X] C; [MILES] C;

Table of distances between letter and object lefts.

10.30	R	O	A	D	W	O	R	K	10.30		
	4.30	4.48	4.76	7.79	5.51	4.73	4.55	3.28			
6.58	N	E	X	T	X	M	I	L	E	S	6.58
	4.55	4.01	4.19	7.50	8.02	5.15	2.11	4.01	4.02	3.28	



# G20-6-60

SCDOT has adopted sign number G20-6-60 to advise motorists of the State law that increased fines for exceeding the speed limit in work zones. Its placement should be in accordance with the SCDOT's standard highway drawings.



G20-6-60;

3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;

[WORK] D; [ZONE] D;

3.00" Radius, 1.25" Border, 0.75" Indent, Black on White;

[\$200] C; [FINE] C; [AND] C; [30] C; [DAYS] C; [FOR] C; [SPEEDING] C;

Table of distances between letter and object lefts.

7.28	W	O	R	K	Z	O	N	E	7.28			
6.38	5.62	5.44	8.12	5.16	5.63	5.43	3.66					
2.00	56.00	2.00										
15.58	\$	2	O	O	F	I	N	E	15.58			
3.74	3.58	3.74	6.39	3.34	1.76	3.79	2.50					
11.17	A	N	D	3	O	D	A	Y	S	11.17		
3.97	3.79	6.24	3.57	6.39	3.58	3.41	3.97	2.74				
10.08	F	O	R	S	P	E	E	D	I	N	G	10.07
3.34	3.94	6.24	3.78	3.79	3.35	3.34	3.79	1.75	3.79	2.74		



# Chapter Seven

## MUTCD Traffic Control for School Areas

### 7B.01 Size of School Signs

Table 7B-1 gives the sizes for school signs. SCDOT generally utilizes conventional road sizes. Minimum sizes shall not be utilized and oversized signs may be used for emphasis.

### 7B.02 Illumination and Reflectorization

Reflectorization shall be in accordance with [Engineering Directive Memorandum 4](#).

### 7B.09 School Zone Sign (S1-1) and Plaques (S4-3P, S4-7P) and END SCHOOL ZONE Sign (S5-2)

Where a school crosswalk warning sign (S1-1) is used, it shall be supplemented with a downward sloping arrow (W16-7p). The Ahead Plaque (W16-9P) must be used when a school advance sign is used.

### 7B.13 School Bus Stop Ahead Sign (S3-1)

The South Carolina Department of Education has specified that school bus stops should have 600 feet of visibility instead of the 500 feet recommended in the MUTCD in determining whether a School Bus Stop Ahead sign is needed. See [Engineering Directive Memorandum 31](#) for more detailed information on the placement of these signs.

### 7B.15 School Speed Limit Assembly (S4-1P, S4-2P, S4-3P, S4-4P, S4-6P, S5-1) and END SCHOOL SPEED LIMIT Sign (S5-3)

[Traffic Engineering Guideline TG-10](#) establishes the types of supplemental plaque to be used with the School Speed Limit Assembly. The use of the “When Children are Present” plaque (S4-2P) is not recommended.

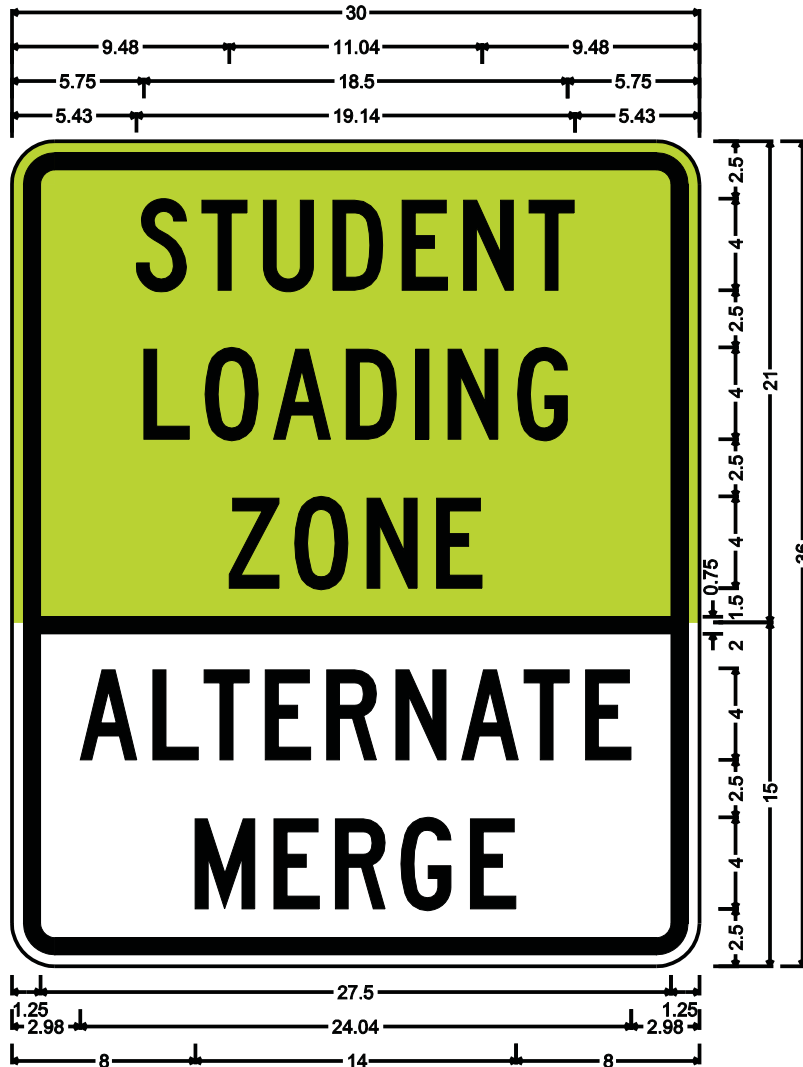
### 7B.16 Reduced School Speed Limit Ahead Sign (S4-5 and S4-5a)

SCDOT does not recommend the use of this sign since all school speed zones are supplemented by flashers and a “When Flashing” plaque or a plaque with specific time periods when the reduced speed is in effect.



# S20-1-30

When double stacking on school grounds requires that two lanes merge to one when picking up or dropping off students, S20-1-30 may be used to help provide an orderly merging condition.



S20-1-30;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Bright yellow green;

[STUDENT] C; [LOADING] C; [ZONE] C;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[ALTERNATE] C; [MERGE] C;

Table of distances between letter and object lefts.

5.43	S	2.86	T	2.68	U	3.03	D	3.03	E	2.68	N	2.86	T	2.00	5.43
------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	------

5.75	L	2.68	O	2.99	A	3.17	D	3.03	I	1.41	N	3.03	G	2.19	5.75
------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	------

9.48	Z	2.86	O	3.15	N	3.03	E	2.00	9.48
------	---	------	---	------	---	------	---	------	------

1.25	27.50	1.25
------	-------	------

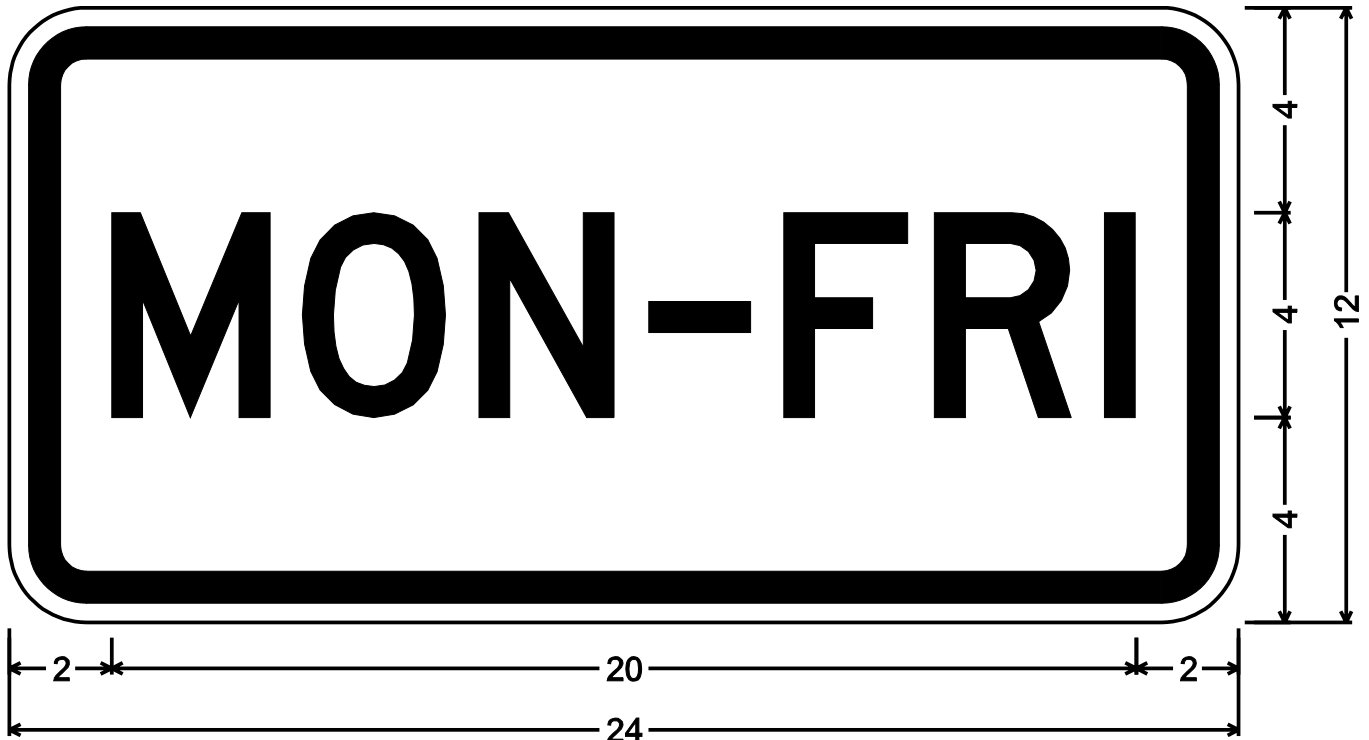
2.98	A	3.17	L	2.23	T	2.67	E	2.68	R	3.03	N	2.86	A	2.73	T	2.67	E	2.00	2.98
------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	------

8.00	M	3.43	E	2.68	R	2.86	G	3.03	E	2.00	8.00
------	---	------	---	------	---	------	---	------	---	------	------



# S4-6-24

SCDOT has modified S4-6-24 of the MUTCD to allow the use of standard size blanks. The application is the same as the MUTCD. [Traffic Engineering Guideline TG-10](#) provides information concerning the use of supplemental plaques with school speed limit signs.



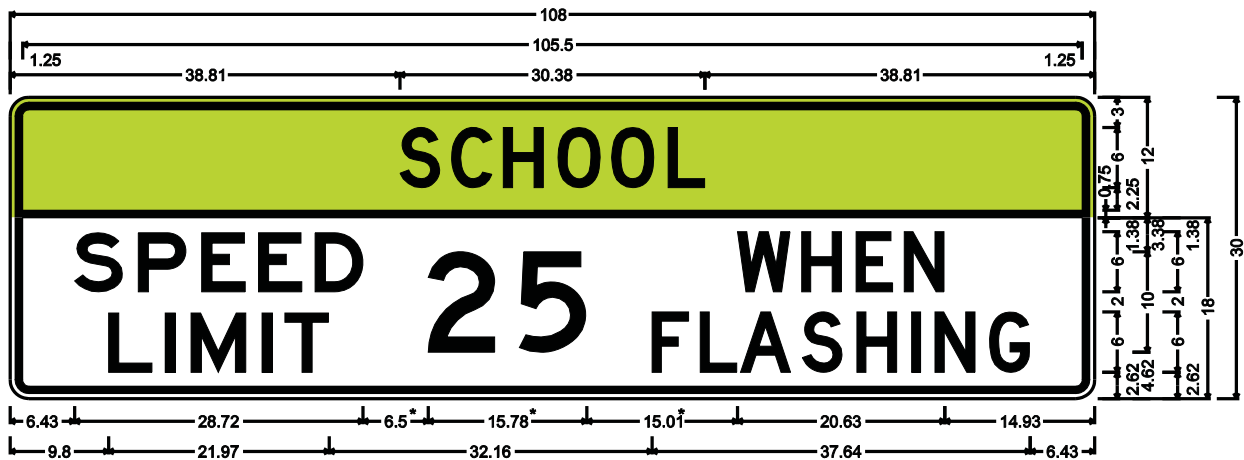
S4-6-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
[MON-FRI] D 67% spacing;  
Table of letter and object lefts.

M	O	N	-	F	R	I
2.00	5.72	9.17	12.49	15.12	18.06	21.38



# S5-6-108

S5-6-108 may be used on multi-lane facilities as an alternate to standard shoulder mounted sign assemblies. This sign is supplemented by alternately flashing yellow beacons.



S5-6-108;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on Bright yellow green;

[SCHOOL] D;

1.88" Radius, 0.75" Border, 0.50" Indent, Black on White;

[SPEED] E; [LIMIT] E; [25] D; [WHEN] D; [FLASHING] D;

Table of distances between letter and object lefts.

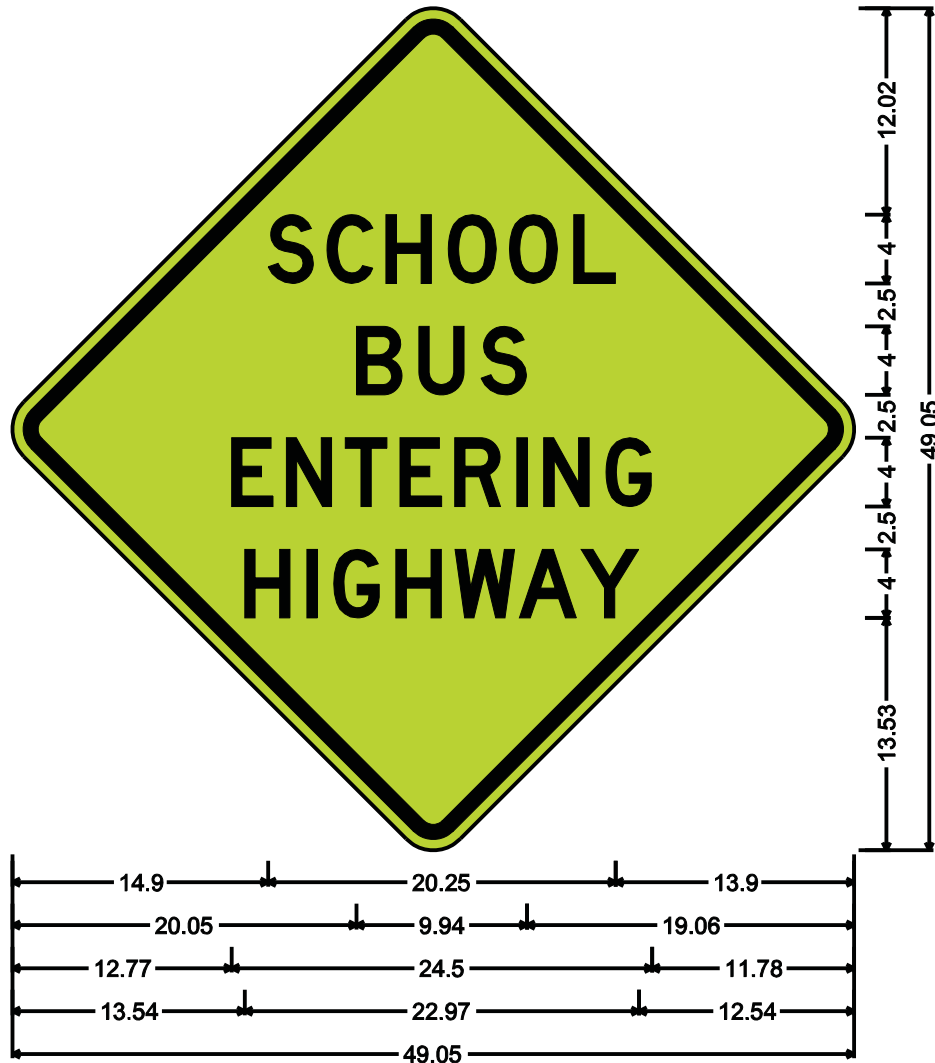
38.81	S	C	H	O	O	L	38.81							
	5.16	5.15	5.44	5.35	5.62	3.66								
1.25	105.50		1.25											
6.43	S	P	E	E	D	2	5	W	H	E	N	14.93		
	6.32	6.33	5.65	5.64	11.28	9.06	21.73	6.37	5.44	4.78	4.04			
9.80	L	I	M	I	T	F	L	A	S	H	I	N	G	6.43
	5.64	2.58	7.08	2.27	36.56	4.78	4.03	6.14	5.44	5.44	2.34	5.44	4.03	

Note:

\* Spacing varies upon actual number used.

# S3-8-36

S3-8-36 may be used where a school bus enters or crosses a highway where sight distance or other factors make it difficult for a school bus to enter the flow of traffic.



S3-8-36;

36.00" across sides 2.25" Radius, 0.88" Border, 0.63" Indent, Black on Bright yellow green;

[SCHOOL] D; [BUS] D; [ENTERING] D; [HIGHWAY] D;

Table of letter and object lefts.

S	C	H	O	O	L		
14.90	18.34	21.77	25.40	28.96	32.71		
B	U	S					
20.05	23.68	27.31					
E	N	T	E	R	I	N	G
12.77	15.96	19.40	22.59	25.77	29.40	30.96	34.59
H	I	G	H	W	A	Y	
13.54	17.16	18.73	22.35	25.79	29.54	33.13	

# S2-3-30

S2-3-30 is intended for temporary use along a section of street or highway where permanent sidewalk facilities do not exist and roadside or shoulder conditions are such that children must walk on or close to the edge of the traveled way. Its use is limited to locations where a need has been determined in accordance with an engineering and traffic investigation. Its use will be generally restricted to higher speed locations along new school routings. Depending on conditions, the sign may be erected facing either one or both directions of vehicular traffic and upon relatively lengthy paths they may be erected at 500 foot intervals.



S2-3-30;

30.00" across sides 1.88" Radius, 0.75" Border, 0.50" Indent, Black on Bright yellow green;

[SCHOOL] C; [CHILDREN] C 95% spacing; [WALKING] C;

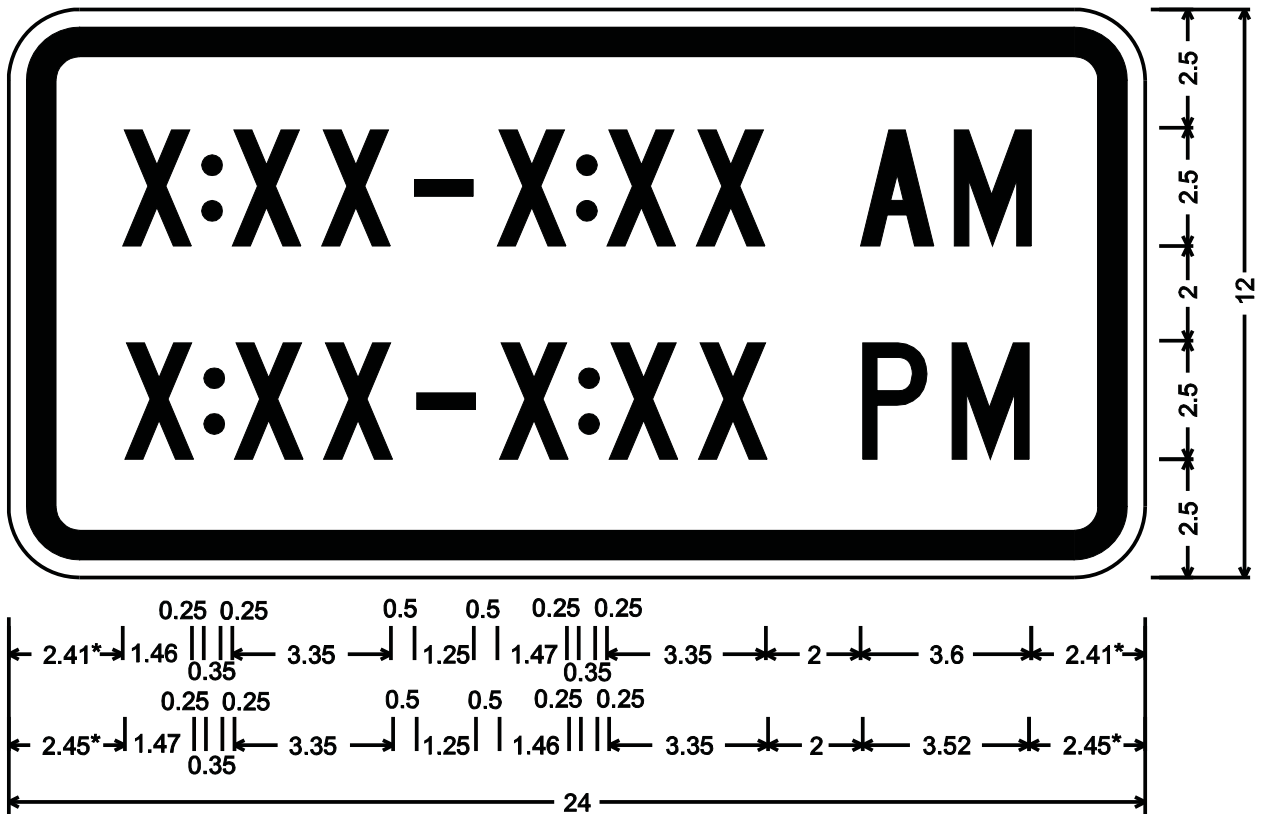
Table of letter and object lefts.

S	C	H	O	O	L		
12.49	15.35	18.21	21.24	24.23	27.39		
C	H	I	L	D	R	E	N
4.47	8.71	13.19	15.24	19.20	23.68	28.16	32.12
W	A	L	K	I	N	G	
11.06	14.28	17.46	20.13	23.00	24.40	27.43	



# S4-1-24 & S4-1-36

SCDOT has modified S4-1 of the MUTCD to a larger size to allow the use of standard size sign blanks. The application is the same as the MUTCD.



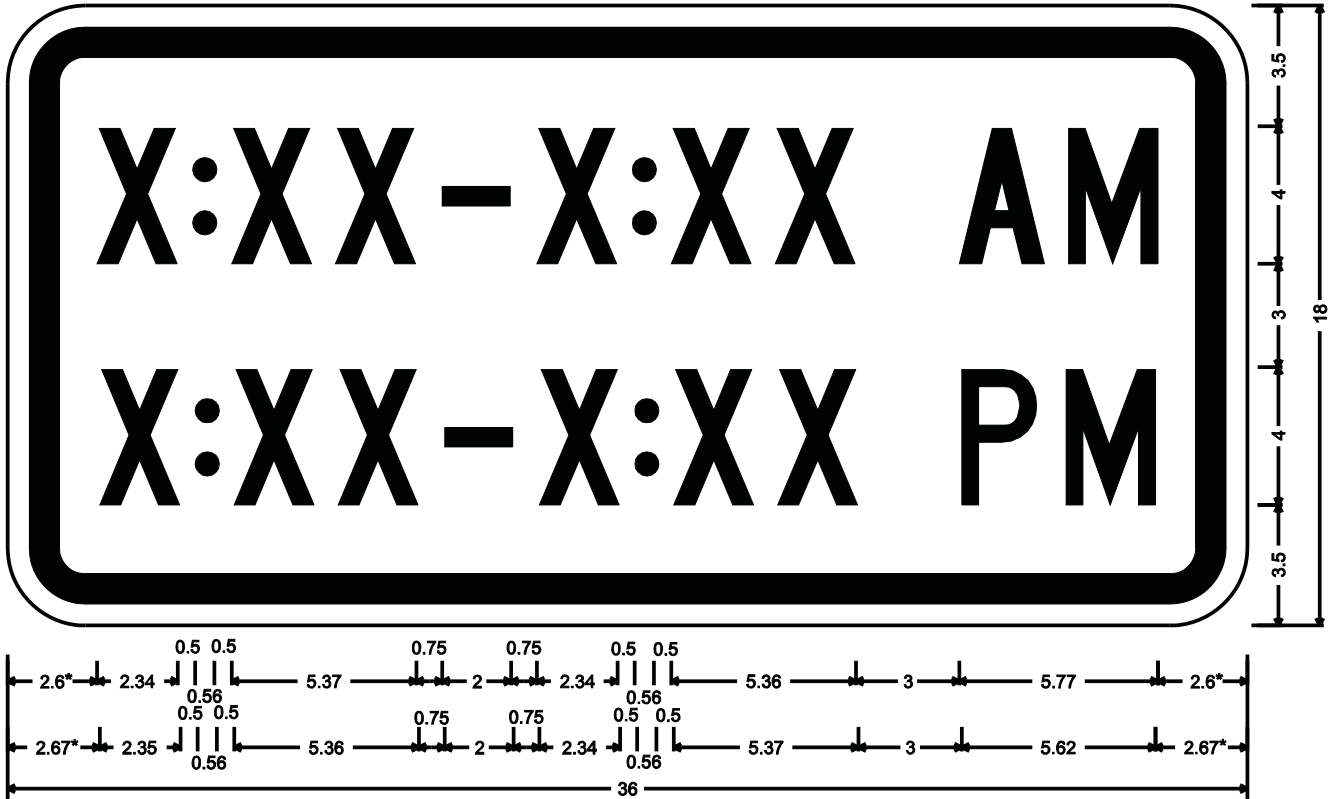
S4-1-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;  
 [X] C; [:] C; [XX] C; [-] C; [X] C; [:] C; [XX] C; [AM] C; [X] C; [:] C;  
 [XX] C; [-] C; [X] C; [:] C; [XX] C; [PM] C;  
 Table of letter and object lefts.

X	:	X	X	-	X	:	X	X	A	M
2.41	4.12	4.72	6.61	8.57	10.32	12.04	12.64	14.52	17.99	19.97
X	:	X	X	-	X	:	X	X	P	M
2.45	4.17	4.77	6.65	8.62	10.37	12.08	12.68	14.57	18.03	19.93

\* SPACING VARIES BASED UPON ACTUAL NUMBER USED.



# S4-1-24 & S4-1-36



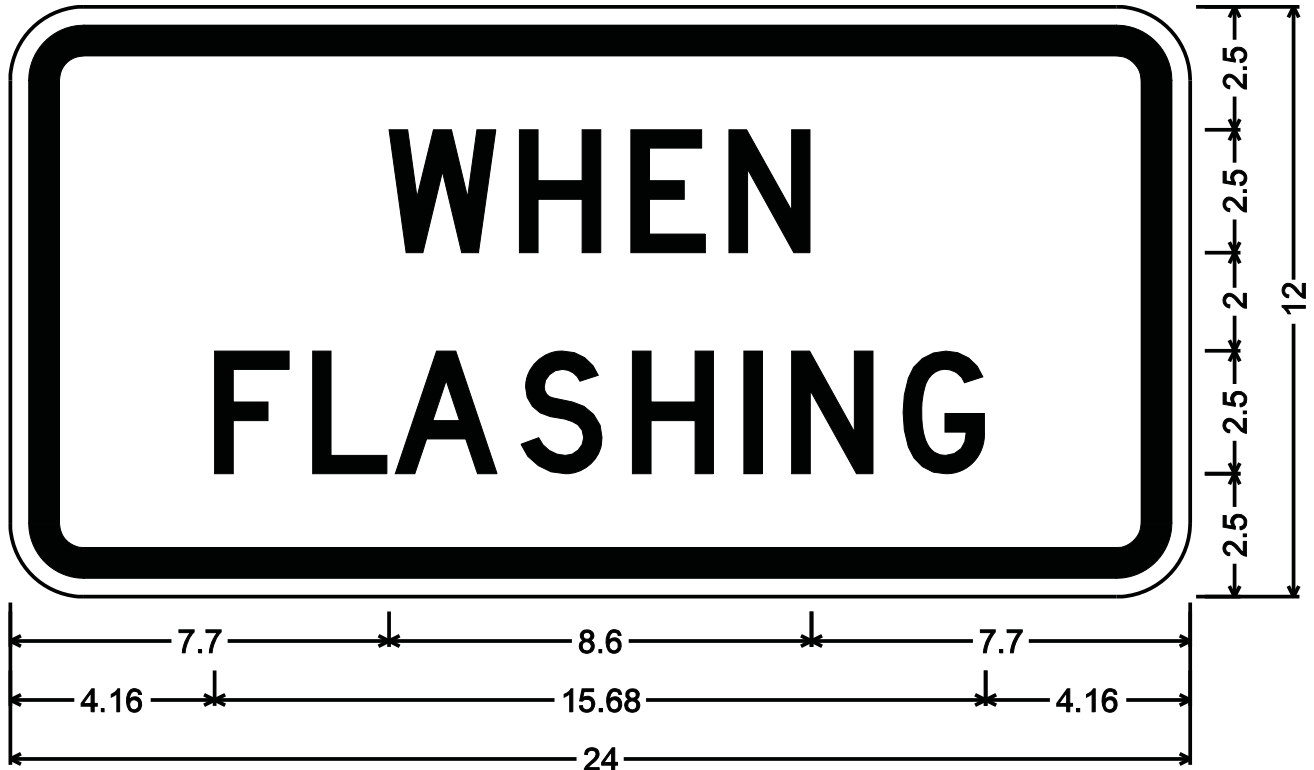
S4-1-36; 2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;  
 [X] C; [:] C; [XX] C; [-] C; [X] C; [:] C; [XX] C; [AM] C; [X] C; [:] C; [XX] C; [-] C; [X] C; [:] C; [XX] C;  
 [PM] C;

Table of letter and object lefts.

X	:	X	X	-	X	:	X	X	A	M
2.60	5.44	6.50	9.52	12.62	15.37	18.21	19.27	22.29	27.63	30.81
X	:	X	X	-	X	:	X	X	P	M
2.67	5.52	6.58	9.59	12.69	15.44	18.28	19.34	22.36	27.71	30.73

\* SPACING VARIES BASED UPON ACTUAL NUMBER USED.





S4-4-24; 1.50" Radius, 0.63" Border, 0.38" Indent, Black on White;

[WHEN] D; [FLASHING] D;

Table of letter and object lefts.

W	H	E	N				
7.70	10.36	12.63	14.62				
F	L	A	S	H	I	N	G
4.16	6.15	7.83	10.39	12.65	14.92	15.90	18.16



# ***Chapter Eight***

## **Traffic Control for Railroad and Light Rail Transit Grade Crossings**

SCDOT designs and installs traffic controls for highway-rail grade crossings in accordance with the provisions of the MUTCD. There are several areas in this chapter of the MUTCD that allows variances or options on traffic control devices and this chapter of the SCDOT Supplement to the MUTCD describes SCDOT preferences.

### **Section 8A.05 Highway-Rail Grade Crossing Elimination**

SCDOT agrees that the concept of grade crossing elimination promotes safety for the motoring public. Due to the sensitive nature of grade crossing removals, all efforts in this regard should be in close coordination with the affected railroad company, local government, and the Deputy Secretary for Engineering's office.

### **Section 8B.05 Use of STOP (R1-1) or YIELD (R1-2) Signs without Crossbuck Signs at Highway-Rail Grade Crossings**

FHWA has recommended that YIELD (R1-2) signs be considered the default choice for traffic control at passive crossings.

### **Section 8B.06 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)**

Care must be taken to follow the requirements of this section of the MUTCD, particularly the new requirements for signing for a track that parallels the major route. If the parallel track is less than 100' from the main roadway, a W10-2, W10-3, or W10-4 shall be installed on the parallel roadway, and a W10-1 is not required between the parallel roadway and the crossing. If the parallel track is more than 100 feet from the roadway, then the W10-1 sign is used and a W10-2, W10-3, or W10-4 is not required on the parallel roadway.

### **Section 8B.21 No Train Horn Sign or Plaque (W10-9 and W10-9P)**

A relatively new concept in some municipalities is "Quiet Zones". The designation of a Quiet Zone is made by the Federal Railroad Administration. If an area is designated as a Quiet Zone, the "No Train Horn" sign shall be installed below the W10-1 sign at each crossing within the zone.

### **Section 8B.23 Low Ground Clearance Grade Crossing Sign (W10-5)**

W10-5 should be used when the profile conditions are sufficiently abrupt to create a hang-up. In accordance with the AASHTO *Policy on Geometric Design of Highways and Streets*, 2001, the surface of the highway should not be more than 3 inches higher or lower than the top of the nearest rail at a point 30 feet from the rail unless track superelevation makes a different level appropriate.