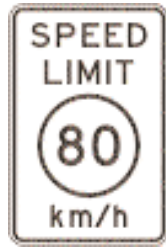


## 2B.13 Speed Limit Sign (R2-1)



R2-1  
600 x 750 mm  
24" x 30"



R2-1 metric  
600 x 900 mm  
24" x 36"

### STANDARD:

Minnesota Statute 169.14 sets forth speed limits to govern all roadways and alleys in the state. Any posted speed limit greater or less than the statutory speed limits must be authorized by the Commissioner of Transportation. Any alteration of statutory speed limits on any public road or street shall be based upon the results of an engineering and traffic investigation.

The Speed Limit (R2-1) sign shall display the limit established by law, ordinance, regulation, or as adopted by the authorized agency. The speed limits shown shall be in multiples of 10 km/h (5 mph).

Minnesota Statute, section 169.14, subd. 5, states that:

When local authorities believe that the existing speed limit upon any street or highway, or part thereof, within their respective jurisdictions and not a part of the trunk highway system is greater or less than is reasonable or safe under existing condition, they may request the commissioner (of transportation) to authorize, upon the basis of an engineering and traffic investigation, the erection of appropriate signs designating a reasonable and safe speed limit thereat, which speed limit shall be effective when such signs are erected.

### GUIDANCE:

At least once every 5 years, the road authority should reevaluate non-statutory speed limits on segments of their roadways that have undergone a significant change in roadway characteristics or surrounding land use since the last review.

When a speed limit is to be posted, it should be within 5mph of the 85th-percentile speed of free-flowing traffic.

### OPTION:

Other factors that may be considered when establishing speed limits are the following:

- A. Road characteristics, shoulder condition, grade, alignment, and sight distance;
- B. The pace speed;
- C. Roadside development and environment;
- D. Parking practices and pedestrian activity; and
- E. Reported crash experience for at least a 12-month period.

Two types of Speed Limit signs may be used: one to designate passenger car speeds, including any nighttime information or minimum speed limit that might apply; and the other to show any special speed limits for trucks and other vehicles.

### GUIDANCE:

No more than three speed limits should be displayed on any one Speed Limit sign or assembly.

### OPTION:

A changeable message sign that changes the speed limit for traffic and ambient conditions may be installed provided that the appropriate speed limit is shown at the proper times.

A changeable message sign that displays to approaching drivers the speed at which they are traveling may be installed in conjunction with a Speed Limit sign.

### GUIDANCE:

If a changeable message sign displaying approach speeds is installed, the legend YOUR SPEED XX (MPH) or such similar legend should be shown.

The color of the changeable message legend should be a yellow legend on a black background or the reverse of these colors.

**Compliance Date: December 22, 2013**

### SUPPORT:

Advisory Speed signs are discussed in Sections 2C.36 and 2C.46 and Temporary Traffic Control Zone Speed signs are discussed in Part 6.

### 2B.13.1 Bridge Speed Limit (R2-X5)



R2-X5  
600 x 900 mm  
24" x 36"

**STANDARD:**

The BRIDGE SPEED LIMIT sign shall be used and installed as stated in Minnesota Statute (section 169.16):

1. When it has been determined by the Commissioner of Transportation that it is necessary to limit the speed of vehicles on a bridge or other elevated structure constituting part of a highway to the maximum speed which can be maintained with safety on such bridge or structure,
2. Suitable signs stating such maximum speed shall be erected and maintained at a distance of 100 feet before each end of the structure.

A Bridge Speed Limit shall become effective when the Bridge Speed Limit signs are installed.

**GUIDANCE:**

A Speed Reduction (W3-5a) sign should be used in advance of the BRIDGE SPEED LIMIT sign.

**SUPPORT:**

On roads maintained by Mn/DOT, the Mn/DOT Office of Bridges and Structures determines when a reduced speed limit is required on a bridge or other elevated structure constituting part of a highway. They inform the appropriate Mn/DOT district traffic engineer of their findings. It is the responsibility of the district traffic engineer to prepare a Speed Limit Authorization Form and submit it to the Office of Traffic Security and Safety (OTSO).

**OPTION:**

Local road authorities may submit a request stating their engineering findings to the local Mn/DOT district traffic engineer. A report is then prepared and submitted along with recommendations to OTSO.

### 2B-13.2 School Speed Limit Assembly

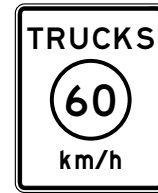
**STANDARD:**

The School Speed Limit Assembly shall be used to indicate the speed limit where a reduced speed zone for a school area has been established (in accordance with law, after and engineering and traffic investigation) or when a speed limit is specified for such areas by statute. Further information on the use of a school speed limit can be found in Section 7.11.

### 2B.14 Truck Speed Limit Sign (R2-2)



R2-2  
600 x 600 mm  
24" x 24"



R2-2 metric  
600 x 750 mm  
24" x 30"

**STANDARD:**

Where a special speed limit applies to trucks or other vehicles, the legend TRUCKS XX or such similar legend shall be shown on the same panel as the Speed Limit sign or on a separate sign (R2-2) below the Speed Limit sign.

### Reduced Speed Ahead Signs (R2-5 series)

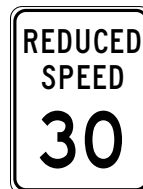
**STANDARD:**

The Reduced Speed Ahead signs shall be removed and replaced with Speed Reduction signs (W3-5, W3-5a), see Section 2C.30.

**Compliance Date: December 22, 2018**



R2-5a



R2-5b



R2-5c



R2-X1

## 2B.15 Night Speed Limit Sign (R2-3)



R2-3  
600 x 600 mm  
24" x 24"



R2-3 metric  
600 x 750 mm  
24" x 30"

### STANDARD:

Where different speed limits are prescribed for day and night, both limits shall be posted.

### GUIDANCE:

A Night Speed Limit (R2-3) sign should be reversed using a white retroreflectorized border and legend on a black background.

### OPTION:

A Night Speed Limit sign may be combined with or installed below the standard Speed Limit (R2-1) sign.

## 2B.16 Minimum Speed Limit Sign (R2-4)



R2-4  
600 x 750 mm  
24" x 30"



R2-4b  
600 x 1200 mm  
24" x 48"

### STANDARD:

A Minimum Speed Limit (R2-4) sign shall be displayed only in combination with a Speed Limit sign.

### OPTION:

Where engineering judgment determines that slow speeds on a highway might impede the normal and reasonable movement of traffic, the Minimum Speed Limit sign may be installed below a Speed Limit (R2-1) sign to indicate the minimum legal speed. If desired, these two signs may be combined on the R2-4b sign.

## 2B.16.1 End Speed Zone Sign (R2-6)



R2-6b  
600 x 750 mm  
24" x 30"

### SUPPORT:

There are many secondary roads (county, township and municipal) which have had speed zones established. These zones are in and on the fringes of urban districts (as defined in Minnesota Statute, section 169.01) where the rural speed limit remains at that provided in the statutes and continuous speed zoning has not been warranted. In many instances, the posting of the statutory speed limit in order to terminate the reduced speed zone would be inappropriate because the statutory speed limit would be misleading and encourage drivers to travel too fast for conditions. Sound engineering judgment would dictate that no numerical value should be posted and that the basic rule ( Minnesota Statute, section 169.14, subd. 1) should apply.

### OPTION:

In order to provide for the termination of the reduced speed zone without posting another numerical speed, the END XX MILE SPEED sign may be used.

## 2B.16.2 END WORK SPEED ZONE Sign (R2-6c)



R2-6c  
600 x 750 mm  
24" x 30"

### SUPPORT:

Certain street and highway construction and maintenance operations may justify the erection of regulatory signs with a recommended speed as determined by the appropriate road authority. It is necessary to install a regulatory sign to inform the motorists of the end of the regulatory speed zone.

### STANDARD:

The sign shall be installed on its own structure at the end of the zone in accordance with standard signing practices for construction zone signs.

## 2B.17 FINES HIGHER Plaque (R2-6)



R2-6  
600 x 600 mm  
24" x 24"

### OPTION:

The FINES HIGHER (R2-6) plaque may be used to advise road users when increased fines are imposed for traffic violations within designated roadway segments.

The FINES HIGHER plaque may be mounted below an applicable regulatory or warning sign in a temporary traffic control zone, a school zone, or other applicable designated zones.

The following may be mounted below the FINES HIGHER plaque:

- A. A supplemental plaque specifying the times that the higher fines are in effect (similar to the S4-1 plaque shown in Figure 7B-1); or
- B. A supplemental plaque WHEN CHILDREN (WORKERS) ARE PRESENT; or
- C. A supplemental plaque WHEN FLASHING (similar to the S4-4 plaque shown in Figure 7B-1) if used in conjunction with a yellow flashing beacon.

The legend FINES HIGHER may be replaced by multiple values such as FINES DOUBLE or FINES TRIPLE, or by a specific value such as \$150 FINE.

### STANDARD:

The FINES HIGHER plaque shall be a rectangle with a black legend and border on a white background.

All supplemental plaques mounted below the FINES HIGHER plaque shall be rectangles with black legends and borders on white backgrounds.

The FINES HIGHER plaque shall include a SCHOOL, WORK ZONE, or other applicable designated zone plaque mounted above the applicable regulatory or warning sign. The SCHOOL supplemental plaque shall be rectangular in shape with a black legend and border on a yellow or fluorescent yellow-green background (same as the S4-3 plaque). The WORK ZONE supplemental plaque shall be rectangular in shape with a black legend and border on an orange background.

### GUIDANCE:

If used, the FINES HIGHER plaque should be located at

the beginning of the temporary traffic control zone, school zone, or other applicable designated zone and just beyond any interchanges, major intersections, or other major traffic generators.

Agencies should limit the use of the FINES HIGHER plaque to locations where work is actually underway, or to locations where the roadway, shoulder, or other conditions, including the presence of a school, require a speed reduction or extra caution on the part of the road user.

## 2B.18 Location of Speed Limit Signs

### STANDARD:

Speed Limit (R2-1) signs, indicating speed limits for which posting is required by law, shall be located at the points of change from one speed limit to another.

At the end of the section to which a speed limit applies, a Speed Limit sign showing the next speed limit shall be installed. Additional Speed Limit signs shall be installed beyond major intersections and at other locations where it is necessary to remind road users of the speed limit that is applicable.

Speed Limit signs indicating the statutory speed limits shall be installed at entrances to the State and at jurisdictional boundaries of metropolitan areas.

## 2B.19 Turn Prohibition Signs (R3-1 through R3-4, and R3-18)



R3-1  
600 x 600 mm  
24" x 24"



R3-2  
600 x 600 mm  
24" x 24"



R3-3  
600 x 600 mm  
24" x 24"



R3-4  
600 x 600 mm  
24" x 24"



R3-18  
600 x 600 mm  
24" x 24"

### STANDARD:

Except as noted in the Option, where turns are prohibited, Turn Prohibition signs shall be installed.