State of Illinois
Illinois Department of Transportation

Illinois Supplement to the

Manual on Uniform Traffic Control Devices

Revision 2, January 2020

Illinois Department of Transportation

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The Federal Highway Administration has approved and issued the 2009 Edition of the Manual on Uniform Traffic Control Devices as the National Standard for all highways open to public travel in accordance with Title 23 U.S. Code Sections 109(d), 114(a), 217, 315, and 402(a), and 23 Code of Federal Regulations (CFR) 655, and 49 CFR 1.48(b)(8), 1.48(b)(33), and 1.48(c)(2).

Pursuant to the provisions contained in Section 11-301 of the Illinois Vehicle Code (625 ICS 5/11-301), we certify that we have examined this Manual on Uniform Traffic Control Devices. We hereby declare that the Federal manual is adopted as the official manual for a uniform system of traffic control devices for the State of Illinois subject to such amendments as are set forth in the Illinois Supplement to the National Manual on Uniform Traffic Control Devices to address unique state laws and policies. The provisions contained herein shall supersede the policies and standards established by all official manuals published previously.

Gary Hannig
Secretary

Christine M. Reed, P.E.
Director of Highways

ILLINOIS SUPPLEMENT TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

INTRODUCTION TO THE SUPPLEMENT

As noted in the preceding certification, the 2009 edition of the Illinois Manual on Uniform Traffic Control Devices (IMUTCD) consists of the December 2009 national Manual on Uniform Traffic Control Devices (MUTCD), including subsequent official revisions thereto, as amended by this Illinois Supplement to the MUTCD. The MUTCD is available on-line at http://mutcd.fhwa.dot.gov/

The part, section and paragraph numbers used in this supplement match the like numbers used in the MUTCD. Where no reference is made to a part, section or paragraph of the MUTCD, said part, section or paragraph has not been amended. Unless specifically noted, none of the provisions of the MUTCD are omitted. Where a section number appears in this supplement with the letter "I" added before the paragraph number followed by (Illinois), such as 2B.I43 (Illinois), such paragraph has no direct counterpart in the MUTCD. The meanings of the text heading "Standard" shall be as defined in Part 1 of this supplement. The meanings of the text headings of "Guidance", "Option" and "Support" have the same meanings in this supplement as they do in the MUTCD.

With the issuance of this manual, any newly installed traffic control devices should, as much as practical, be in conformance with the standards contained herein. Existing stocks of signs conforming to the previous manual may be used for replacement purposes, but shall be replaced with conforming signs by the target compliance dates established by the FHWA which are listed in the Introduction to the MUTCD.

It is anticipated that revisions will be periodically made to the MUTCD. These will be reviewed by the department and revisions made to this supplement when appropriate.

The MUTCD makes reference to the Uniform Vehicle Code (UVC). However, the Illinois Vehicle Code (625 ILCS 5/1-100 et seq.) (IVC) shall govern over the UVC. Section 5/11-301 of the Illinois Vehicle Code contains the authority for the IMUTCD. Sections 5/11-301, 303, and 304 establish the responsibility for the erection and maintenance of traffic control devices on state highways and on local roads. Various other sections of the Illinois Vehicle Code, particularly in Chapter 11, deal with specific traffic regulations and control devices.

Standard signs are designated by letters and numbers such as R2-1-2430. The key to the sign designations is as follows: The beginning letter indicates the general type of sign, such as R for regulatory, W for warning, etc. The first number indicates the sign group such as speed series, crossing series, etc. The number between the hyphens is the designation of the sign within its group. All Illinois Standard signs which differ from those in the MUTCD will have a letter and number designation beginning with the letter "I," such as I100, to distinguish them from the signs found in the MUTCD. Also found in this position may be lower case letters where there are alternate messages (where there are both word and symbol messages or alternate word messages) or the letters R and L for right and left. The third number provides the dimensions such as 2430 which indicates a sign 24 inches wide by 30 inches high. Only one dimension is commonly given for signs having equal sides. When a dimension is variable it may be denoted with a "V." A letter in parentheses may follow the number giving a color. For example, a construction and maintenance warning sign may have an (O) indicating that it is orange in color.

A listing of the most commonly used Illinois Standard signs may be found at the end of this Supplement as well as illustrations of the Illinois Standard signs noted in this supplement. Some Illinois Standard signs may not specifically be mentioned in this supplement but this does not necessarily preclude the usage of these signs on roadways within the state. Design details for all Illinois Standard signs may be found in the Illinois Standard Signs booklet available from the Illinois Department of Transportation, Manual Sales, 2300 South Dirksen Parkway, Springfield, Illinois 62764.

PART 1
General

CHAPTER 1A. GENERAL

Section 1A.09 Engineering Study and Engineering Judgment

Guidance:

The decision to use a particular device at a particular location should be made on the basis of either an engineering study or the application of engineering judgment. Thus, while this Manual provides Standards, Guidance, and Options for design and application of traffic control devices, this Manual should not be considered a substitute for engineering judgment. Engineering judgment should be exercised in the selection and application of traffic control devices, as well as in the location and design of the roads and streets that the devices complement. Jurisdictions with responsibility for traffic control that do not have engineers on their staffs should seek engineering assistance from others, such as the State transportation agency, their County, a nearby large Municipality, or a traffic engineering consultant.

Section 1A.10 Interpretations, Experimentations, and Changes

Guidance:

In the interest of statewide uniformity, requests for interpretations, experimentation, and changes to the MUTCD should be forwarded to the Federal Highway Administration through the Engineer of Operations, Illinois Department of Transportation, 2300 South Dirksen Parkway, Springfield, Illinois 62764.

Section 1A.13 Definitions of Headings, Words, and Phrases in this Manual

Revise A. Standard to read:

A. Standard—a statement of required, mandatory, or specifically prohibitive practice regarding a traffic control device. All standards are labeled, and the text appears in bold type. The verb shall is typically used. The verbs "should" and "may" are not used in standard statements. Standard statements are sometimes modified by Options. Site-specific conditions may lead agencies to determine that it is impossible or impractical to comply with a Standard and that they must deviate from the requirement of a particular Standard at that location or others with the same condition. In such limited specific cases, the deviation is allowed, provided that the agency or official having jurisdiction fully documents the engineering reason for the deviation with an engineering study.

Revise 137. Paved to read:

137. Paved—a bituminous surface treatment, mixed bituminous concrete, or Portland cement concrete roadway surface that has both a structural (weight bearing) and a sealing purpose for the roadway. Oil and Chip treatments and Seal Coat treatments are not weight bearing surfaces by State of Illinois pavement design standards and shall not be considered paved surfaces.

PART 2
Signs

CHAPTER 2A. GENERAL

Standard:

In the interest of statewide uniformity, all sign messages used in Illinois shall be in English units. This includes, but is not limited to, speed limits, distances, and width, height and load limit restrictions.

Option:

Metric units may be used to supplement the English units for educational purposes only.

Guidance:

When used, metric units should be on separate plaques and not a part of standard sign panels.

CHAPTER 2B. REGULATORY SIGNS

Section 2B.12 In-Street Pedestrian Crossing Signs (R1-6, R1-6a)

Standard:

If used, the In-Street Pedestrian Crossing sign shall be the R1-6a to conform to Section 5/11-1002 of the Illinois Vehicle Code requiring stopping for pedestrians.

Section 2B.13 <u>Night Speed Limit Sign (R2-2)</u>

Standard:

Night speed limits shall not be used.

Section 2B.39 <u>Selective Exclusion Signs</u>

Guidance:

The USE PROHIBITED BY MOTOR DRIVEN CYCLES/FARM IMPLEMENTS/PEDESTRIANS/NON-MOTORIZED TRAFFIC/BUCKLE UP (R5-I100) sign should be used in lieu of the R5-10a sign.

Section 2B.I45 (Illinois) <u>Designated Truck Route Signs (Deleted – Revision 2, January 2020)</u>

Section 2B.46 <u>Design of Parking, Standing, and Stopping Signs</u>

Standard:

The $____ FINE (R7-I101) plaque shall be used with the R7-8 sign to mark parking spaces for persons with disabilities as required by the Illinois Vehicle Code. The amount of the fine shown shall be in conformance with Sections 5/11-301.1 and 5/11-1301.3 of the Illinois Vehicle Code.

Section 2B.55 Photo Enforcement Sign Requirements

Standard:

The R10-I104 sign shall be posted on all photo-enforced approaches in advance and on the far side of a traffic signalized intersection equipped with a red-light photo enforcement system.

Section 2B.59 <u>Weight Limit Signs (R12-1 through R12-5)</u>

Section 2B.59 shall be replaced in its entirety with the following:

Standard:

The WEIGHT LIMIT XX TONS (R12-1) sign shall be used at bridges on or along roadways upon which a single weight limit has been authorized.

The sign shall be located immediately in advance of the section of highway or structure to which it applies. In the case of an extended length of restricted roadway, it shall be placed on the right-hand side approximately 25 feet beyond intersecting roads so as to be visible to all vehicles turning into the restricted roadway.

Option:

A supplemental sign may also be erected on the left-hand side of the roadway if necessary for visibility. Where the restriction applies to axle weight rather than gross load, the AXLE WEIGHT LIMIT XX TONS (R12-2) sign may be used.

The X MILES AHEAD (R12-I102) plaque may be placed under the Weight Limit sign to give advance notice of a general weight limit.

Guidance:

Advance signs should be erected at appropriate junctions that will permit the driver of the affected vehicle to choose an alternate route that is legal and suitable with a minimum of inconvenience.

Standard:

The Specific Weight Limit (R12-I100 or R12-I100a) sign shall be used where three separate weight restrictions are to be posted.

The sign shall be located within 500 feet of the structure to which it applies.

Guidance:

The R12-I100(5442) should be used for low speed conventional highways and the R12-I100(7860) should be used for other conventional highways.

Option:

The R12-I100a (5472) may be used for roadways with narrow right-of-way or limited physical space to install an R12-I100 sign. An R12-I100aP (5418) plaque may be installed to clarify the weight restrictions only apply to a bridge.

Option:

The X MILES AHEAD plaque (R12-I102(5412)) or (R12-I102(7818)) as appropriate may be placed under the Weight Limit sign to give advance notice of a general weight limit.

Guidance:

Advance signs should be erected at appropriate junctions that will permit the driver of the affected vehicle to choose an alternate route with a minimum of inconvenience.

Standard:

The Seasonal Weight Limit (R12-I104) sign shall be used on roadways where seasonal weight restrictions are designated as provided in Section 5/15-316 of the Illinois Vehicle Code.

The signs shall be erected at each end of the portion of roadway affected and at such intermediate locations as determined by engineering judgment as necessary to adequately inform motorists.

Option:

The word AXLE may be substituted for WEIGHT where the restriction applies to axle weight rather than gross load.

Standard:

The Restricted Bridge (R12-I105, R12-I106 and R12-I107) signs shall be used in advance of bridges that are not structurally adequate to otherwise carry the legal or posted weight limit.

Guidance:

The Restricted Bridge signs should only be used at short bridges on low truck volume roads where adequate decision sight distance is available.

The advance BRIDGE AHEAD RESTRICTED TO ONE TRUCK AT A TIME (R12-I105) sign should be located far enough in advance of the bridge to permit a truck operator to see another truck approaching the bridge from the opposite direction in time to stop before reaching the bridge. The (R12-I105(4836) should be used on low speed conventional highways and the (R12-I105(5442) should be used for other conventional highways. ((see also Section 2C-I36 (Illinois)).

Option:

The BRIDGE RESTRICTED TO ONE TRUCK AT A TIME (R12-I106) sign may be used alone where the bridge can carry legal loads with that restriction or may be used above the R12-1 sign where a single weight limit restriction is also applicable. The (R12-I106(4836) should be used on low speed conventional highways and the (R12-I106(5442) should be used for other conventional highways.

Guidance:

The BRIDGE RESTRICTED TO ONE TRUCK AT A TIME (R12-I106) sign should be located within 500 feet in advance of the structure to which it applies.

Option:

The ONE TRUCK AT A TIME plaque (R12-I107(5412)) or (R12-I107(7812)), as appropriate, may be mounted beneath the R12-I100 or R12-I101 sign to confirm the R12-I105 sign where trucks are restricted to both one-at-a-time usage and a multiple weight limit.

Guidance:

The Legal Load Only Bridge (R12-I108) sign should be used at bridges that are not structurally adequate to carry in excess of the legal weight limit on such highways where permits have been issued allowing certain vehicles to exceed normal weight limits in accordance with Section 5/15-301 of the Illinois Vehicle Code.

Section 2B.60 <u>Weigh Station Signs (R13 Series)</u>

Standard:

The TRUCKS OVER 8 TONS MUST WEIGH (R13-I100) sign shall be used in lieu of the R13-1 sign.

Section 2B.I70 (Illinois) <u>Park Zone Speed Limit Signs</u>

Support:

Section 5/11-605.3 of the Illinois Vehicle Code allows local agencies to establish Park Zones and Park Zone Speed Limits by ordinance or resolution on streets and highways under their jurisdictions which abut parks.

Standard:

The PARK ZONE SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT sign (R2-I108) shall be used by local agencies in establishing park zone speed limits authorized by Section 5/11-605.3 of the Illinois Vehicle Code ((see also Sec. 2C.30 (Illinois)). The R2-I108 sign shall not be used on roadways under the jurisdiction of the Illinois Department of Transportation.

Guidance:

Any municipality or park district requesting to establish a park zone or park zone speed limit on streets and highways not under their jurisdiction should consult with the agency having jurisdiction over those roads.

Option:

If the local ordinance or resolution establishing a Park Zone Speed limit includes the hours the limit is in effect, the hours may be included on the lower portion of the PARK ZONE SPEED LIMIT sign (R2-I108) such as "8 AM - 8 PM WHEN CHILDREN ARE PRESENT."

Section 2B.I75 (Illinois) <u>Non-Highway Vehicles and Low-Speed Vehicles Signs</u>

Support:

Section 5/11-1426.1 of the Illinois Vehicle Code allows governmental units to permit through ordinance or resolution the operation of non-highway vehicles on any streets having a speed limit of 35 mph or less under its jurisdiction.

Section 5/11-1426.2 of the Illinois Vehicle Code allows governmental units to prohibit through ordinance or resolution the operation of low-speed vehicles on any and all streets under its jurisdiction.

Standard:

The USE PROHIBITED BY _____ sign (R5-I107) shall be used to prohibit the operation of low-speed vehicles and any classes of non-highway vehicles where they may be normally permitted.

Section 2B.I80 (Illinois) <u>Excessive Engine Braking Noise Signs</u>

Support:

Section 5/12-602.1 of the Illinois Vehicle Code allows counties and municipalities to prohibit the use of engine braking systems emitting excessive noise.

Standard:

Excessive Engine Braking Noise (R5-I106) signs shall be governed by Part 547, ENGINE BRAKING SIGNS (92 Ill. Adm. Code 547), of the Illinois Department of Transportation Rules and Regulations.

Section 2B.I85 (Illinois) <u>Other Regulatory Signs</u>

Standard:

A Snowmobile trail within highway right-of-way but off the roadway shall have a KEEP XX FEET FROM ROAD (R14-I101) plaque mounted directly below the Snowmobile TRAIL (D11-I100) sign (see Sec. 2D-I51 (Illinois)). The distance shown shall be 10 feet or greater or as varied by authorities of any unit of local government in accordance with Section 40/5-2 of the Illinois Vehicle Code.

CHAPTER 2C. WARNING SIGNS

Section 2C.I36 (Illinois) <u>Watch for Stopped Trucks Signs</u>

Standard:

The WATCH FOR STOPPED TRUCKS (W5-I100) sign shall be used in advance of bridges where trucks are restricted to one-at-a-time usage of the structure.

Guidance:

The sign should be posted on both sides of the pavement and be located approximately 200 feet after the BRIDGE RESTRICTED TO ONE TRUCK AT A TIME (R12-I105) sign. The W5-I100(30) should be used on low speed conventional highways and the W5-I100(36) should be used on other conventional highways.

Section 2C.38 <u>Speed Reduction Signs (W3-5, W3-5a)</u>

Standard:

A Reduced Speed Limit Ahead (W3-5, W3-5a) sign with a Park Zone (W15-I100p) plaque shall be used by local agencies to inform road users of a reduced park zone speed limit ahead. The Reduced Speed Limit Ahead (W3-5, W3-5a) sign and the Park Zone (W15-I100p) plaque shall have a background color of fluorescent yellow-green when used in advance of a park zone speed limit ((see Sec. 2B-I70 (Illinois)).

Section 2C.49 <u>Vehicular Traffic Warning Signs</u>

Option:

Golf Cart Crossing (W11-11), All-Terrain Vehicle (W11-I100), Low-Speed Vehicle (W11-I101), and Off-Highway Vehicle (W11-I102) signs may be installed along roadways where these vehicles are allowed to travel by State Law or local ordinance.

Section 2C.I70 (Illinois) <u>Park Zone Sign (W15-I100)</u>

Standard:

A Park Zone (W15-I100) sign shall be used by local agencies to inform road users of a park zone. It shall be located in advance of any Reduced Speed Limit Ahead (W3-5, W3-5a) sign in advance of a park zone (see Sec. 2C.38).

Option:

The sign may also be used alone in advance of park zones which have been established by local agencies but where park zone speed limits have not been established. It may also be used alone on streets and highways under the jurisdiction of the Illinois Department of Transportation which abut parks where local agencies have established park zones along their abutting streets.

CHAPTER 2D. GUIDE SIGNS-CONVENTIONAL ROADS

Section 2D.09 <u>Numbered Highway Systems</u>

Standard:

The Illinois State Route Sign shall be the M1-I100.

Section 2D.49 <u>Weigh Station Signing (D8 Series)</u>

Standard:

The TRUCKS OVER 8 TONS MUST WEIGH (R13-I100) sign shall be used in lieu of the R13-1 sign shown in Section 2B.60 and Figure 2B-30.

Section 2D.I60 (Illinois) <u>Trail Signs</u>

Standard:

The Snowmobile TRAIL (D11-I100) sign shall be used to indicate designated snowmobile trails on, along, or across highways as authorized by Section 40/5-2 of the Illinois Vehicle Code.

Option:

Standard black on white M5 or M6 series Advance Turn Arrow and Directional Arrow auxiliary signs may be used in conjunction with D11-I100 signs to mark changes in direction along a route.

CHAPTER 2H. GENERAL INFORMATION SIGNS

Section 2H.I09 (Illinois) Roadside Memorial Markers

Standard:

Roadside Memorial Markers on the state highway system shall be governed by Part 549, ROADSIDE MEMORIALS (92 Ill. Adm. Code 549), of the Illinois Department of Transportation Rules and Regulations.

Option:

Local agencies may install roadside memorial markers along roadways under their jurisdiction in accordance with Section 605 ILCS 125 of the Illinois Compiled Statutes.

CHAPTER 2I. GENERAL SERVICE SIGNS

Section 2I.02 General Service Signs (D9 Series)

Standard:

The Emergency Medical Services (EMS) sign (D9-13) shall not be used.

CHAPTER 2J. SPECIFIC SERVICE SIGNS

Standard:

Specific Service signs on the state highway system for Gas, Food, Lodging, Camping, and 24-Hour Pharmacy shall be governed by Part 542, BUSINESS LOGO SIGNING PROGRAM (92 Ill. Adm. Code 542), of the Illinois Department of Transportation Rules and Regulations. Attraction signs on the state highway system shall be governed by Part 543, TOURISM ATTRACTION SIGNING PROGRAM (92 Ill. Adm. Code 543), of the Illinois Department of Transportation Rules and Regulations.

CHAPTER 2K. TOURIST-ORIENTED DIRECTIONAL SIGNS

Standard:

Tourist Oriented Directional Signs (TODS) on the state highway system shall be governed by Part 541, TOURIST-ORIENTED DIRECTIONAL SIGNING PROGRAM (92 Ill. Adm. Code 541) of the Illinois Department of Transportation Rules and Regulations.

Option:

Local agencies may install Tourist Oriented Directional Signs along roadways under their jurisdiction.

PART 3
Markings

(No revisions)

PART 4
Highway Traffic Signals

CHAPTER 4D. TRAFFIC CONTROL SIGNAL FEATURES

Section 4D.04 Meaning of Vehicular Signal Indications

Support:

The Illinois Vehicle Code (625 ILCS 5/11-306) permits a right turn (or a left turn from a one-way street to a one-way street) on a red arrow after stopping under the same conditions as with a red ball. This conflicts with Section 4D.04 which prohibits turning after stopping on a red arrow unless specifically permitted by signs or other traffic control devices.

Standard:

Where it is intended to prohibit turns on red arrows after stopping where such turns would otherwise be permitted under the Illinois Vehicle Code, NO TURN ON RED ARROW(R10-I102) word message signs shall be installed.

Guidance:

Where it is intended to permit turns on red, a red ball rather than a red arrow should be used.

Section 4D.05 Application of Steady Signal Indications

Standard:

If a CIRCULAR GREEN indication terminates at the same time as a GREEN ARROW indication within the same signal head, a CIRCULAR YELLOW indication shall be displayed in lieu of a YELLOW ARROW indication.

CHAPTER 4F. PEDESTRIAN HYBRID BEACONS

Section 4F.01 Application of Pedestrian Hybrid Beacons

Standard:

Pedestrian Hybrid Beacons shall not be installed at locations where any signal warrants of Chapter 4C are met.

Guidance:

The need for a pedestrian hybrid beacon should be considered on the basis of an engineering study that includes a queue analysis for vehicular traffic and that considers major-street volumes, speeds, widths, and gaps in conjunction with pedestrian volumes, walking speeds, and delay.

Section 4F.02 Design of Pedestrian Hybrid Beacons

Standard:

If used, pedestrian hybrid beacons shall be installed at least 100 feet from side streets or driveways and at least 300 feet from traffic signals or railroad grade crossings with active warning devices. If backplates are used for pedestrian hybrid beacons, retroreflective material shall not be applied to the face of the backplates.

CHAPTER 4G. TRAFFIC CONTROL SIGNALS AND HYBRID BEACONS FOR EMERGENCY-VEHICLE ACCESS

Section 4G.04 Emergency-Vehicle Hybrid Beacons

Standard:

Emergency-vehicle hybrid beacons shall not be installed at locations where any MUTCD warrants for traffic signals are met. If used, emergency-vehicle hybrid beacons shall be installed at least 100 feet from side streets or driveways controlled by a STOP or YIELD sign and at least 300 feet from traffic signals or railroad grade crossings with active warning devices. If backplates are used for emergency-vehicle hybrid beacons, retroreflective material shall not be applied to the face of the backplates.

CHAPTER 4N. IN-ROADWAY LIGHTS

Section 4N.02 In-Roadway Warning Lights at Crosswalks

Standard:

Standard pedestrian crossing warning signs and standard crosswalk pavement markings conforming to the MUTCD shall be used.

A minimum of one standard Flashing Yellow Warning Beacon conforming to Chapter 4L of the MUTCD shall be used with at least one pedestrian crossing warning sign on each approach or at the crosswalk. The beacon(s) shall be activated with the IRLs and flash at the same rate.

A PUSH BUTTON TO TURN ON WARNING LIGHTS (R10-25) sign shall be mounted immediately above the pedestrian pushbutton unit.

Guidance:

IRLs should not be installed unless engineering judgment shows evidence of a safety problem at the location which has not been alleviated with standard signing and pavement markings. Engineering judgment should be applied to determine if the IRLs will have any negative effect on the safety and operation of any nearby intersections.

At least 40 pedestrians should regularly use the crossing during each of any two hours (not necessarily consecutive) during a 24-hour period. The vehicular volume through the crossing should exceed 200 vehicles per hour during peak-hour pedestrian usage.

Option:

In addition to the warning beacon(s), the standard pedestrian crossing warning signs may utilize flashing LED units within the border conforming to Section 2A.07 of the MUTCD. The flashing LED units in these signs shall have the capability of being flashed at the same rate and simultaneously with the IRLs and flashing yellow warning beacons.

PART 5
Traffic Control Devices for Low-Volume Roads

(No revisions)

PART 6
Temporary
Traffic Control

CHAPTER 6A. GENERAL

Section 6A.01 General

Standard:

Nothing in this chapter shall relieve contractors and others performing work on or near highways either in the employ or with permission of any governmental authority from the responsibility of properly placing, maintaining and operating traffic control devices or implementing procedures in accordance with the IMUTCD, any governing contract or permit, and Illinois State Statutes.

Section 6F.10 Weight Limit Signs (R12-1, R12-2, R12-5)

Standard:

See Section 2B.49 for weight limit signing.

Section 6F.78 Temporary Markings

Standard:

Pavement markings that are considered short-term markings by Illinois State specifications for both state and local agency roads shall be installed in accordance with the Illinois Department of Transportation Policy TRA-17.

PART 7
Traffic Control
for School Areas

CHAPTER 7B. SIGNS

Section 7B.09 <u>School Crosswalk Warning Assembly (S1-1 with Diagonal Arrow).</u>

Standard:

If used, the In-Street Pedestrian Crossing sign shall be the R1-6a to conform to Section 5/11-1002 of the Illinois Vehicle Code requiring stopping for pedestrians.

Section 7B.11 <u>School Speed Limit Assembly (S4-1, S4-2, S4-3, S4-4, S5-1)</u>
Section 7B.12 <u>Reduced Speed School Zone Ahead Sign (S4-5, S4-5a)</u>

Sections 7B.11 and 12 shall be replaced in their entirety with the following:

Standard:

The SCHOOL SPEED LIMIT 20 ON SCHOOL DAYS WHEN CHILDREN ARE PRESENT sign (S4-I100) shall be used in establishing speed zones authorized in Section 5/11-605 of the Illinois Vehicle Code.

Guidance:

The speed zone should be limited to those locations where elementary through high school buildings or grounds devoted primarily to normal school day activities are adjacent to the highway or where groups of children cross the highway in route to and from a school not adjacent to the highway. The location of the beginning and end of a 20 mile-per-hour school speed zone should be based on engineering judgment rather than the exact location of the school property line. The S4-I100(2448) should be used on conventional highways with approach speeds of less than 45 miles per hour and the S4-I100(3672) should be used with higher approach speeds and at other locations where engineering judgment deems that added visibility or emphasis is required.

Standard:

Areas of school property that are devoted primarily to athletic or other extracurricular activities shall not be signed as 20 mph school speed zones.

The school speed limit sign shall consist of either a single sign (S4-I100) or a combination of separate panels consisting of a SCHOOL plaque (S4-3), a standard SPEED LIMIT 20 sign (R2-1) and ON SCHOOL DAYS WHEN CHILDREN ARE PRESENT plaque (S4-I103). The FINES HIGHER (R2-6P) sign shall be used below the school speed limit sign. A Standard speed limit sign (R2-1) shall be used along with the END SCHOOL ZONE sign (S5-2) to mark the end of the school zone.

Support:

There are situations, primarily in rural areas, where the school-owned property is some distance from the actual portion of the property occupied by the school and there are no children walking or present along that portion of the property. Establishing a 20 mile-per-hour school speed limit based on the property line would be inappropriate in this case. Conversely, it might be appropriate to impose a 20 mile-per-hour school speed limit some distance ahead of the property line where children walk close to the highway on their way to and from school and such path is part of a planned school walk route.

Standard:

The Combination School Speed/Do Not Pass sign (S4-I101)) shall be used where passing is prohibited in accordance with Section 5/11-707(d) of the Illinois Vehicle Code. It shall be used in lieu of the first school speed limit sign (S4-I100) in each direction ((see also Sec. 7C.I107 (Illinois)).

Support:

Section 5/11-707(d) of the Illinois Vehicle Code requires that passing be prohibited in school speed zones located in unincorporated areas. It also allows passing to be prohibited in school speed zones in incorporated areas where the governmental agency having jurisdiction over the roadway in question, at the request of a local school board, has determined that a hazardous condition exists which warrants a no-passing zone.

Standard:

A Reduced Speed School Zone Ahead sign (S4-5, S4-5a) shall be placed in advance of the first school speed limit sign where the posted speed limit in the area is greater than 30 miles per hour.

Option:

A School Entrance Speed Limit up to 15 miles-per-hour below the normal posted speed limit may be used at entrances to school property during normal school hours when school buses or other vehicles are using the entrance to deliver or pick up students where the normal posted speed limit is 45 miles per hour or more and a 20 miles-per-hour school speed limit is not in place.

Guidance:

A School Entrance Speed Limit should only be established based on engineering judgment where crash records involving vehicles entering or leaving the school entrance during normal school hours indicate a need for reduction in speed, or where all of the following conditions are met:

A. The students are transported to and from school by bus and/or private vehicles.
B. No provisions are made for students to walk to and from school.
C. Where vehicles waiting to turn into the entrance cause excessive queuing on the highway.
D. The entrance is not controlled by traffic signals.

Standard:

The School Entrance Speed Limit sign shall consist of a top SCHOOL ENTRANCE (S4-I106) plaque, a Speed Limit (R2-1) sign, and a bottom SCHOOL DAYS 7AM - 4PM (S4-I104) plaque. A Reduced Speed Limit Ahead (W3-5, W3-5a) sign with a lower SCHOOL ENTRANCE (S4-I106) plaque shall be placed in advance of the School Entrance Speed Limit sign.

Standard:

The background color of the Reduced Speed Limit Ahead (W3-5, W3-5a) sign and the SCHOOL ENTRANCE (S4-I106) plaque shall be fluorescent yellow-green.

Standard:

Standard speed limit signs shall not be placed within a school speed zone or a school entrance speed zone.

Option:

The hours on the S4-I104 plaque may be adjusted to fit local schedules.

A Speed Limit Sign Beacon may also be used with a WHEN FLASHING (S4-4) sign to identify the period the school speed limit or school entrance speed limit is in force. The lenses of the beacon may be positioned within the face of the speed limit sign or mounted below and/or above the sign.

Section 7B.I15 (Illinois) <u>School Bus Regulations Sign</u>

Option:

The UNLAWFUL TO PASS STOPPED SCHOOL BUS FROM EITHER DIRECTION sign (S4-I105) may be used on two-lane roads where Section 5/11-1414(a) of the Illinois Vehicle Code applies which prohibits motorists from passing in either direction any school bus which is stopped on a two-lane highway for the purpose of receiving or discharging school children.

It is intended as a reminder to motorists and is not intended to serve as a warning at any specific location. It may be erected along routes where school buses pick up and discharge school children along the routes.

CHAPTER 7C. MARKINGS

Section 7C.I07 (Illinois) <u>No Passing Zone Markings</u>

Standard:

No passing markings shall not be placed through zones marked with the Combination School Speed/Do Not Pass (S4-I101) sign since the restriction is only in effect on school days when children are present.

PART 8
Traffic Control for Railroad and Light Rail Transit

CHAPTER 8B. SIGNS AND MARKINGS

Section 8B.06 <u>Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)</u>

Standard:

In the first "Standard" under this section change "C" to read:

C. In business and residential districts where active highway-rail grade crossing traffic control devices are in use.

Standard:

When using Table 2C-4 in Chapter 2C to determine the placement of the Highway-Rail Grade Crossing Advance Warning sign, Condition B, deceleration to 0 mph, shall be used.

Section 8B.24 <u>Storage Space Signs (W10-11, W10-11a, W10-11b)</u>

Section 8B.24 shall be replaced in its entirety with the following:

Standard:

A XX FEET BETWEEN TRACKS AND HIGHWAY storage distance (W10-I100) sign shall be installed on any approach to a railroad grade crossing where the distance between the rail closest to a subsequent STOP sign controlled highway intersection and the intersection stop line is less than 81 feet. The sign shall be installed in advance of the grade crossing. The distance to be shown on the sign shall be measured from a point 6-feet from the rail closest to the intersection or from the closest point along the exit gate if present over the roadway when in the lowered position to the stop line or crosswalk, whichever is closer, rounded <u>down</u> to the nearest 5 feet. Where there is no stop line or crosswalk, the measurement shall be to a point 5 feet from the edge of the closest through traveled lane. The signs shall not be used with traffic signal controlled intersections except when installed as an interim measure at any location which will be changed to pre-signals (near-side intersection signals on the approach side of the tracks) at the grade crossing at a future time. Signs installed as an interim measure shall be removed when the pre-signals are installed.

Guidance:

Dual displays of the W10-I100 sign should be installed on multilane approaches with suitable medians.

Standard:

A DO NOT STOP ON TRACKS (R8-8) sign shall be installed in advance of each crossing where a W10-I100 sign is used.

Option:

The R8-8 sign may be placed under the W10-I100 sign.

Section 8B.I30 (Illinois) <u>Grade Crossing Camera Enforcement Signs (R10-I105)</u>

Standard:

CAMERA PHOTO ENFORCED ___ FINE (R10-I105) signs shall be installed for all approaching traffic at a railroad grade crossing equipped with an automatic railroad grade crossing enforcement system as required by Section 5/11-1201.1(f) of the Illinois Vehicle Code.

CHAPTER 8C. FLASHING-LIGHT SIGNALS, GATES, AND TRAFFIC CONTROL SIGNS

Section 8C.01 <u>Introduction</u>

The first paragraph of the first Standard shall be replaced in its entirety with the following:

Standard:

The meaning of flashing-light signals and gates shall be as stated in Section 5/11-1201 of the Illinois Vehicle Code.

PART 9
Traffic Controls for Bicycle Facilities

(No revisions)

SIGN ILLUSTRATIONS

ILLINOIS STANDARD SIGNS NOTED IN SUPPLEMENT TEXT
(COLORS INDICATED IN PARENTHESES)

(FYG)

(B/W)

R2-I108

(B/W)

R5-I106

(B/W)

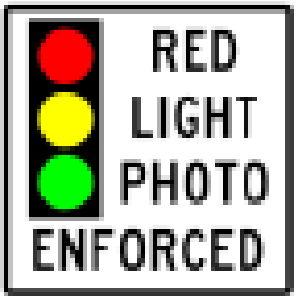
R5-I100

(B/W)

R5-I107

(B/W)

R10-I105



(B/W)

R10-I104

(B/W)

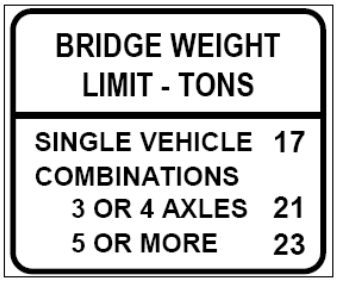
R10-I102

(G/W)

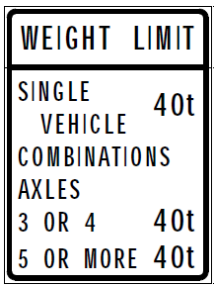
R7-I101p

(B/W)

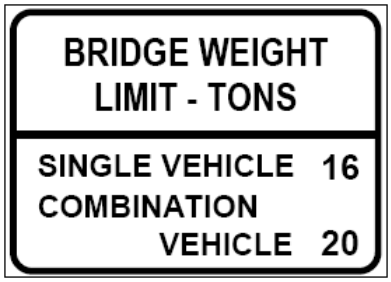
(B/W)



R12-I100



R12-I100a



(B/W)

R12-I101

(B/W)

R12-I100aP

(B/W)

R12-I102

(B/W)

R12-I103

(B/W)

R12-I104

(B/W)

R12-I105

(B/W)

R12-I106

(B/W)

R12-I107

(B/W)

R12-I108

(B/W)

R13-I100

(B/W)

R14-I100

(W/G)

D11-I100

(B/W)

M1-I100

(FYG)

(B/W)

S4-I100

(FYG)

(B/W)

S4-I101

(B/W)

S4-I103

(B/W)

S4-I104

(B/W)

S4-I105

(FYG)

S4-I106

(B/Y)

W5-I100

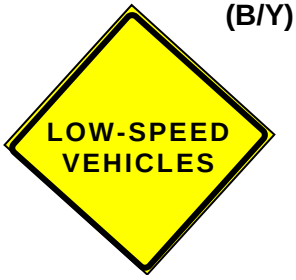
(B/Y)

W10-I100

(B/Y)

W11-I100

(B/Y)



W11-I101

(B/Y)

W11-I102

(FYG)

W15-I100

(FYG)

W15-I100p

LISTING OF COMMONLY USED ILLINOIS STANDARD SIGNS
SHEET 1 OF 3

R2-I102	**MINIMUM (Speed)**
R2-I103p	**WHEN FLASHING**
R2-I106p	**XXX FINE MINIMUM**
R2-I108	**PARK ZONE/SPEED LIMIT 20/WHEN CHILDREN ARE PRESENT**
R2-I109	**TRUCKS OVER 4 TONS**
R3-I100	**LEFT (RIGHT) TURN LANE**
R3-I101	**EXCEPT AUTHORIZED VEHICLES**
R5-I100	**Freeway Exclusion Sign**
R5-I106	**EXCESSIVE ENGINE BRAKING NOISE PROHIBITED**
R5-I107	**USE PROHIBITED BY (Non-highway and Low Speed Vehicles)**
R7-I101p	**$250 FINE** Plate
R8-I100	**NO PARKING EXCEPT FOR REST AREA PATRONS**
R10-I100	**STOP AT LINE**
R10-I101p	**WHEN PEDESTRIANS ARE PRESENT**
R10-I102	**NO TURN ON RED ARROW**
R10-I104	**RED LIGHT PHOTO ENFORCED**
R10-I105	**CROSSING PHOTO ENFORCED $XX FINE**
R10-I107	**SPEED PHOTO ENFORCED AUTOMATED TRAFFIC CONTROL SYSTEM**
R11-I100	**ROAD ENDS**
R11-I101	**SIDEWALK CLOSED**
R11-I102	**SIDEWALK CLOSED USE OTHER SIDE**
R12-I100	**BRIDGE WEIGHT LIMIT - TONS/SINGLE VEHICLE (Tons)/COMBINATIONS/3 0R 4 AXLES (Tons)/5 OR MORE (Tons)**
R12-I100a	**WEIGHT LIMIT - SINGLE VEHICLE (Tons)/COMBINATIONS/AXLES/3 or 4(Tons)/5 OR MORE (Tons)**
R12-I100aP	**BRIDGE** Plate
R12-I101	**BRIDGE WEIGHT LIMIT - TONS/SINGLE VEHICLE (Tons)/COMBINATION VEHICLE (Tons)**
R12-I102p	**(Miles) MILES AHEAD** Plate - wide
R12-I103p	**(Miles) MILES AHEAD** Plate - narrow
R12-I104	**WEIGHT LIMIT (Tons)/(Date) TO (Date)**
R12-I105	**BRIDGE AHEAD RESTRICTED TO ONE TRUCK AT A TIME**
R12-I106	**BRIDGE RESTRICTED TO ONE TRUCK AT A TIME**
R12-I107	**ONE TRUCK AT A TIME** Plate
R12-I108	**WEIGHT LIMIT 10 TONS AXLE 40 TONS GROSS**
R13-I100	**TRUCKS OVER 8 TONS MUST WEIGH**
R14-I100	**KEEP (Feet) FEET FROM ROAD**
R15-I100	**PENALTY FOR DUMPING ON PUBLIC HIGHWAYS**
R15-I101	**PENALTY FOR LITTERING HIGHWAYS**
R15-I102	**PENALTY FOR EXCAVATING FROM PUBLIC HIGHWAYS**
R15-I103	**STATE PROPERTY DO NOT MOLEST**
R15-I104	**Building Setback**
R15-I105	**Freeway Designation**

LISTING OF COMMONLY USED ILLINOIS STANDARD SIGNS
SHEET 2 OF 3

R15-I106	**STATE PROPERTY NO TRESSPASSING**
R15-I107	**DO NOT PICK UP HITCHHIKERS**

W3-I100	**FIRE STATION** Plate
W3-I101	**RAMP SIGNAL** Plate
W4-I100	**CROSS TRAFFIC DOES NOT STOP**
W5-I100	**WATCH FOR STOPPED TRUCKS**W8-I100 **WATER ON PAVEMENT**
W8-I101	**ICE ON PAVEMENT**
W8-I102	**WATCH FOR ICE ON BRIDGE**
W8-I103	**Expressway Ends**
W8-I104	**Freeway Ends**
W8-I105	**GROOVED PAVEMENT**
W8-I106	**WATCH FOR WATER ON ROAD**
W8-I106a	**WATCH FOR ICE ON ROAD**
W8-I107	**ROUGH GROOVED SURFACE**
W8-I108	**ROAD ENDS 500 FT**
W8-I109	**SLIPPERY WHEN WET OR ICY**
W10-I100	**CAUTION/(Feet) FT BETWEEN TRACKS AND HIGHWAY**
W11-I100	**ALL-TERRAIN VEHICLES**
W11-I101	**LOW-SPEED VEHICLES**
W11-I102	**OFF-HIGHWAY VEHICLES**
W12-I101	**(Miles) MILES AHEAD** Plate
W12-I102	**X'-X" (Width Restriction)**
W12-I103	**MAX WIDTH X'-X" X MILES AHEAD**
W15-I100	**PARK ZONE**
W15-I100p	**PARK ZONE** Plate
W16-I100	**CROSS TRAFFIC**
W16-I101	**(Various) ENTRANCE**
W20-I103	**ROAD CONSTRUCTION AHEAD**
W21-I100	**BARRICADE AHEAD**
W21-I102	**BRIDGE REPAIR AHEAD**
W21-I103	**SHOULDER DROP OFF**
W21-I104	**TRUCKS ENTERING HIGHWAY**
W21-I105	**TRUCKS LEAVING HIGHWAY**
W21-I110	**WORKERS**
W21-I115	**WORK ZONE** Plate

LISTING OF COMMONLY USED ILLINOIS STANDARD SIGNS
SHEET 3 OF 3

D4-I100	**FRONTAGE ROAD ENTRANCE**
D4-I101	**BUSINESS DISTRICT**
D9-I101	**STATE POLICE HEADQUARTERS**
D9-I102	**STATE POLICE HEADQUARTERS XX MILE**
D9-I103	**CAMPING**
D9-I104	**TOURIST INFORMATION**
D9-I105	**EXIT XX**
D9-I106	**DRIVER SERVICES FACILITY**
D11-I100	**(Snowmobile Symbol) TRAIL**
D11-I101	**CASINO**
D11-I102	**OTB**
G20-I100	**NO PASSING ZONES NOT STRIPED NEXT (Miles) MILES**
G20-I103	**END WORK ZONE SPEED LIMIT**
M1-I100	**State Route Marker** (Independent mount)
M1-I100a	**State Route Marker** (Guide sign mount)
I1-I100	**Town Name and Population**
I1-I101	**Town Name**
I1-I103	**ILLINOIS STATE LINE**
I1-I104	**County Line**
I1-I105	**HISTORICAL MARKER AHEAD**
I1-I106	**HISTORICAL MARKER**
I1-I107a	**ADOPT-A-HIGHWAY** (Love the Land of Lincoln)
I1-I107b	**ADOPT-A-HIGHWAY** (Name of Group)
I1-I108	**IN MEMORY OF** (Name of Person) (Date)
I1-I108a	**PLEASE DON'T DRINK AND DRIVE**
I1-I108b	**RECKLESS DRIVING COSTS LIVES**
I2-I100	**RESTORATION AREA – PRAIRIE PLANTS**
I2-I101	**RESTORATION AREA - WILDFLOWERS**
I2-I102	**RESTORATION AREA – WETLANDS**
I2-I103	**RESTORATION AREA – SEEDLINGS**
I2-I104	**NO MOWING OR SPRAYING**
S4-I100	**SCHOOL/SPEED LIMIT 20/ON SCHOOL DAYS WHEN CHILDREN ARE PRESENT**
S4-I101	**SCHOOL/SPEED LIMIT 20/DO NOT PASS/ON SCHOOL DAYS WHEN CHILDREN ARE PRESENT**
S4-I103	**ON SCHOOL DAYS WHEN CHILDREN ARE PRESENT**
S4-I104p	**SCHOOL DAYS 7AM – 4 PM**
S4-I105	**UNLAWFUL TO PASS STOPPED SCHOOL BUS FROM EITHER DIRECTION**
S4-I106	**SCHOOL ENTRANCE**