MINNESOTA DEPARTMENT OF TRANSPORTATION
Operations, Safety, and Technology Division
Technical Memorandum No. 04-11-T-02
December 22, 2004

To: Distribution 57, 382, 612, 618, and 650

From: Marthand Nookala, Director
Traffic Operations, Safety and Technology

Subject: In-Street Pedestrian Crossing Signs

Expiration
This is a new technical memorandum and will remain in effect until December 31, 2008, unless superseded before that date or incorporated into the Minnesota Manual on Uniform Traffic Control Devices (MN MUTCD).

Implementation
This policy shall be implemented immediately.

Introduction
The Federal Manual on Uniform Traffic Control Devices 2003 edition approved use of In-Street Pedestrian Crossing Signs. Minnesota will be adding this sign as an option in the 2005 edition of the MN MUTCD. Until this sign is incorporated into the MN MUTCD this technical memorandum documents the approval of this device when installed under the following guidelines.

The In-Street Pedestrian Crossing sign (R1-6b) may be used to remind road users of the Minnesota state law which requires the driver of a vehicle to stop to yield the right-of-way to a pedestrian crossing the roadway within a marked or unmarked crosswalk.

Purpose
The purpose of this technical memorandum is to allow the usage of and give guidance for the installation of In-Street Pedestrian Crossing Sign (R1-6b) in accordance with the Federal Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) 2003 edition.

Guidelines

Standard for Use of In-Street Pedestrian Crossing Signs

a. The sign shall not be used at intersections whose approaches are controlled by either stop signs or traffic control signals.

b. The sign should only be used at key locations, such as high volume pedestrian crosswalks, to avoid overuse.

c. The sign shall only be used as an in-street sign, not on the outside shoulder or parking lane. When installed, the sign shall not impede or obstruct any traffic movement including through or turning movements.

d. When the sign is used at or in advance of a school crossing to supplement the ground mounted school warning signs, the sign shall include the SCHOOL plaque.

e. The STOP FOR legend shall be used as Minnesota state law specifically requires that a driver must stop for a pedestrian in a crosswalk.

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f. The sign shall have a black legend and border on white and fluorescent yellow-green background and shall have the same dimensions as shown on the standard sign drawing for the In-Street & Post Mounted Pedestrian Crossing Sign (R1-6b) (see attachment).

g. Signs shall have the same sign message on both sides or a reflective strip mounted on the backside the same color as the centerline or lane line used. To avoid driver confusion, back-to-back signs should only be used on two-lane, two-way roadways. For typical intersection placement see the attached Typical Placement of In-Street Pedestrian Crossing Signs figure.

h. If the sign is placed in the roadway, the device shall meet the crashworthiness requirements of NCHRP-350 Category 2 for 70 km/h **(45 mph)**.

i. The MN MUTCD provisions of Section 2A.18 concerning mounting height are not applicable for the In-Street Pedestrian Crossing Sign. The maximum mounting height shall be 610 mm **(2 feet)** to the bottom of the sign.

j. The sign may be used seasonally to prevent damage in winter because of plowing operations, and may be removed at night if the pedestrian activity at night is minimal.

Specific Mn/DOT Policy

The Minnesota Department of Transportation has adopted the following additional guidelines for all trunk highways. Local road authorities may adopt similar additional guidelines for consistency.

a. The sign shall be installed by permit only through Mn/DOT District Offices.

b. The sign shall only be used in 55 km/h **(35 mph)** or lower speed zones.

c. Only one sign structure shall be used per approach at marked crosswalks.

Scope

The policy contained in this technical memorandum applies to all public roadways except Section VI which applies only to roadways under the jurisdiction of Mn/DOT.

Questions

Questions regarding the content of this Technical Memorandum may be directed to Mike Weiss, State Signing Engineer at 651-284-3440.

Any questions regarding the publication or distribution of this Technical Memorandum should be referred to Benjamin Christensen, Design Standards Unit 651-284-3447, or Mohammad Dehdashti, Design Standards Engineer 651-296-4859. All active and a list of historical Technical Memoranda can be viewed at http://www.dot.state.mn.us/tecsup/tmemo/index.html

Attachment(s) R1-6b, In Street & Post Mounted Pedestrian Crossing Sign
Typical Placement of In-Street Pedestrian Crossing Signs

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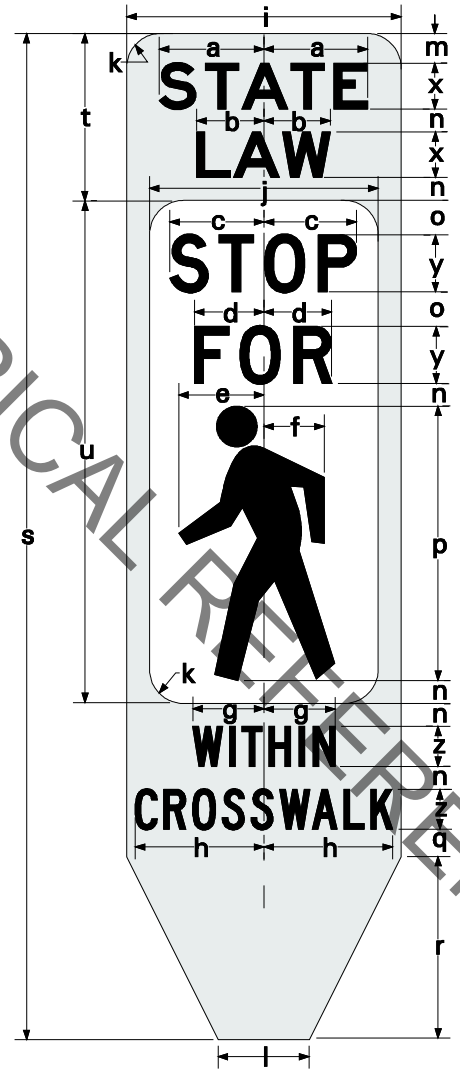
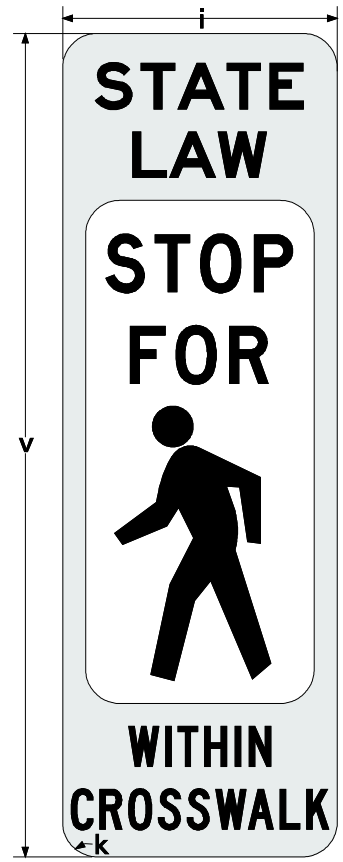
SIZE / DIMENSION	12 X 44 12 X 36	
RADIUS		
MARGIN		
BORDER		
a	4.6	
b	2.9	
c	4.1	
d	3	
e	3.7	
f	3.1	
g	3.1	
h	5.6	
i	12	
j	10	
k	1.5	
l	4	
m	1.3	
n	1	
o	1.5	
p	12	
q	1.2	
r	8	
s	44	
t	7.3	
u	22	
v	36	
w		
x	2E	
y	2.5D	
z	1.75C	



In Street Version
to be Mounted on
Flexible Base



Post Mounted
Version

NOTES: 1. All dimensions are in inches.
2. Color - Black legend and pedestrian symbol. Background is reflectorized fluorescent yellow-green. Rectangular area is reflectorized white.
3. Substrate shall be plastic on in street version.

APPROVED 10/8/04

DATE OF REV.

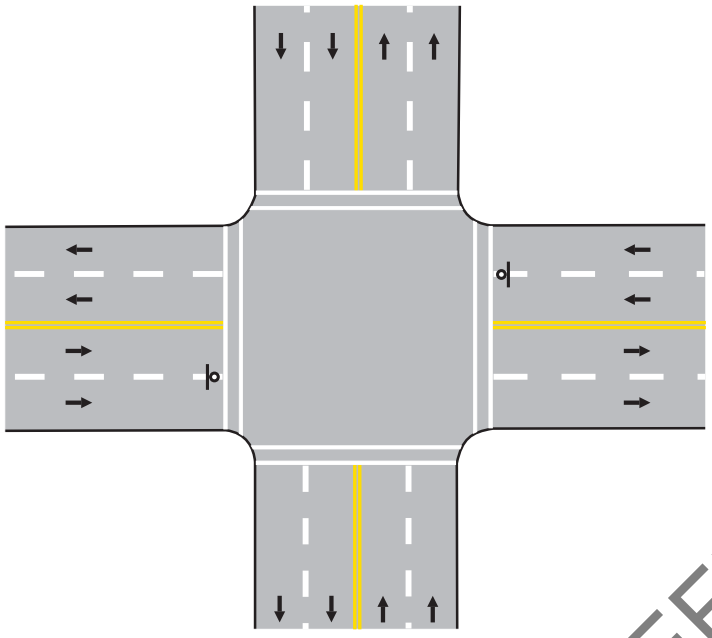
IN STREET & POST MOUNTED PEDESTRIAN CROSSING SIGN

MINNESOTA DEPARTMENT OF TRANSPORTATION

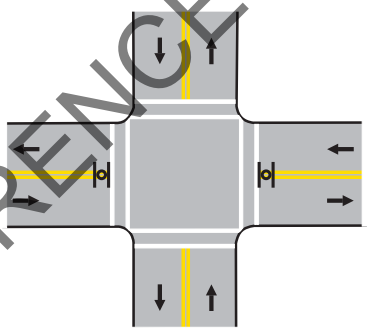
SIGN NUMBER R1-6b

FOR HISTORICAL REFERENCE ONLY

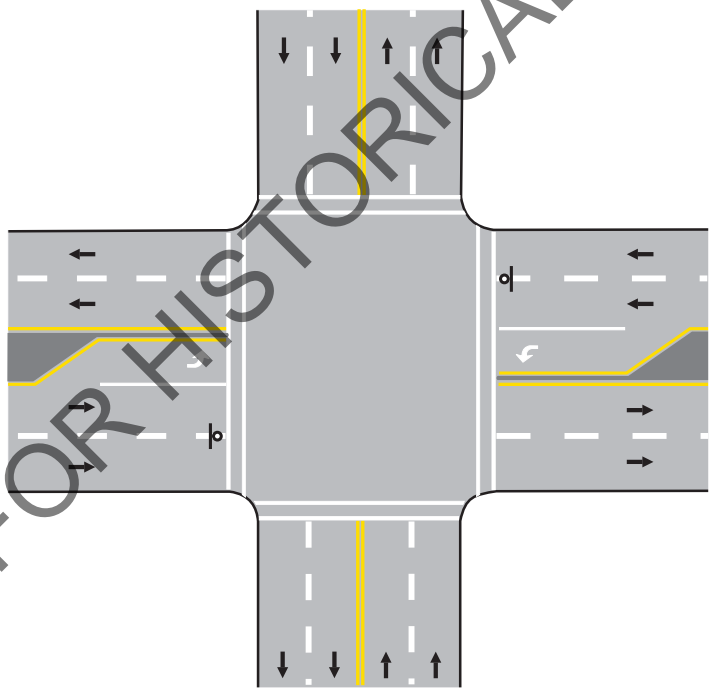
Typical Placement of In-Street Pedestrian Crossing Signs



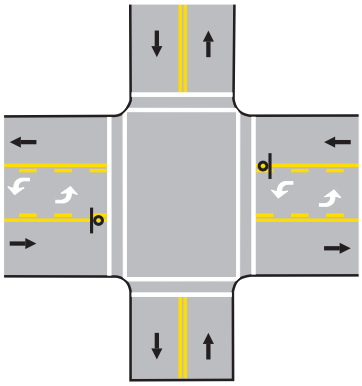
Four-Lane Undivided Roadway



Two-Lane, Two-Way Roadway



Four-Lane Divided Roadway with Turn Lanes



Two-Lane, Two-Way Roadway with Center Turn Lane

Legend

Direction of travel

Single Sided Structure

Back-to-Back Structure

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