

Traffic Engineering

Traffic Control Device:Speed Display DevicesSubject:Application Procedures

Effective Date: June 1, 2020

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Purpose

Speed Display Devices (also known as "Speed Reader Boards") have been proven to be effective in achieving their objective of vehicle speed reduction. Manitoba Infrastructure (MI) has a program where speed display devices are temporarily installed in school areas and other high pedestrian areas, as well as following speed transition zones to help motorists monitor their travel speeds through these complex areas. The Transportation Association of Canada recommends temporary installation of these devices, as it has been shown that the devices lose their effectiveness on reducing speeds after approximately two months. However, a municipality may wish to install a speed display device on a provincial highway within a community, if they deem it to be necessary, in either a temporary or permanent installation. In that instance, the municipality has the authority to install these devices, provided they follow the standard set out below.

This policy describes the conditions, standards and requirements that must be met by Municipalities wishing to install a speed display device on the provincial highway network.

Policy

The Department will allow the installation of speed display devices on provincial routes (whether or not the Minister of Infrastructure is the traffic authority), subject to the receipt of a Council Resolution and the location meeting the conditions set out in Policy 100-C-14 (Speed Display Devices).

Standard

Speed Display Devices purchased and installed by Municipalities MUST adhere to the following standard:

- Device locations on any provincial highway (i.e. designated or declared highways) MUST be approved by MI's Traffic Engineering Branch prior to the device's installation.
- The mandatory dynamic component of the device is the visual output in response to the measured travel speed of each vehicle approaching the device. At a minimum, the dynamic component must be capable of displaying the vehicle speed in whole numbers (maximum of two digits), and displaying a blank aspect.
- The dynamic component must not include any strobe effects, rapid flashing, or animation.
- The device should include a static or dynamic component consisting of the following text "YOUR SPEED" and it's French equivalent "VOTRE VITESSE" in areas requiring bilingual signage. Refer to Traffic Engineering Policy 915-A-3 for bilingual traffic signing areas.
- Outside of work zones, the colour of the backboard should be WHITE.

RECOMMENDED:

"ORIGINAL SIGNED BY" Director, Traffic Engineering APPROVED: "ORIGINAL SIGNED BY" Executive Director Highway Engineering • Digits on the dynamic display should be no less than 380 mm in height.

Applications to Install Speed Display Devices on Provincial Highways

All requests by municipalities to install a speed display devices, should be directed to MI's Traffic Engineering Branch for review, analysis, and consideration by the Director of Traffic Engineering.

If the application meets the warranting guidelines outlined in Policy 100-C-14, in terms of location suitability, it will normally be approved depending on site considerations, such as proximity to other traffic control devices, evidence of speeding (if speed data exists), and a maximum of two travel lanes per direction.

A request to install a speed display device on a provincial highway within the boundaries of a community may be approved under the following conditions:

- The proposed device MUST meet current standards as listed in the Transportation Association of Canada (TAC) Application Guidelines for Speed Display Devices or the Manual of Uniform Traffic Control Devices of Canada (MUTCDC).
- The local government MUST contribute 100% of the manufacture and installation costs.
- The local government MUST contribute 100% of the maintenance costs for the life of the device.
- The local government MUST indemnify the Department against any legal action or other liabilities by completing and signing the attached Standard Indemnity Agreement (100-F-1).
- The local government MUST provide evidence of a minimum of \$2 million liability insurance, with the Department named as additional insured.