



Subject: Speed Reader Boards	
Date: February 10, 2016	Author: Steve Drew
Bulletin Number: TE-2016-04 Bulletin Type: Requirement	Effective Date: February 10, 2016
Audience	Standards Affected
Ministry Managers, Electrical Services; all users of the Electrical and Traffic Engineering Manual; all Ministry Traffic Engineers; all Electrical and Traffic Design Consultants	Electrical & Traffic Engineering Manual, Electrical & Signing Materials Standards, Standard Specification for Highway Construction

Background:

Speed Reader Boards are electronic signs that use radar to detect the speed of an approaching vehicle and display the speed on an LED variable message display. The speed display is typically combined with a static (non-electronic) display that includes the text “Your Speed” or similar.

The intent of the Speed Reader Board is to encourage compliance with the posted speed limit by making motorists aware of their actual speed. They are intended to be used as supplements to the maximum posted speed signs to encourage compliance when transitioning to a lower posted speed, such as school zones, road construction zones, and communities located along highways.

Policy:

Policy outlining the use of Speed Reader Boards in construction zones can be found in Technical Circular T-02-12 “*Guidelines on the Use of Speed Reader Boards (SRB) in Work Zones (2012)*” on the Engineering Publications website.

Policy outlining the general use of Speed Reader Boards, also referred to as *Driver Feedback Signs*, is currently under development (February 2016) by the Ministry of Transportation Traffic and Highway Safety Engineering group.

Only products listed on the Ministry *Recognised Products List* may be used.

Procedure:

The process to apply for the installation of speed reader board is outlined in the Technical Circulars referenced above.

Once this process has been completed and the installation is approved by the Regional Traffic Engineer, the Electrical Engineering Centre shall be contacted to initiate the design. Speed reader board installations shall be documented on electrical drawings with TE numbers assigned by the Ministry Electrical Engineering Centre. All designs shall be in accordance with the *Electrical and Traffic Engineering Manual* and *Standard Specification for Highway*



Construction, and approved by the Electrical Engineering Centre. The drawings shall include the posted speed, the transition zone, proposed sign configuration, mounting and power source.

Clear zone requirements shall be addressed as outlined in the *Electrical and Traffic Engineering Manual, Section 500*.

Sign design and installation details shall be in accordance of the appropriate sections of the *Ministry Manual of Traffic Signs and Pavement Markings*. Where practical, Speed Reader Boards may be mounted on existing electrical infrastructure provided all structural and electrical standards are met.

Speeder reader board programming and commissioning shall be documented and retained by the Electrical Engineering Centre, the Manager of Electrical Services and the Electrical Maintenance Contractor

The Manager, Electrical Services shall notify the appropriate power authority of the increased loading if the speed reader board is connected to a non-metered electrical service.

All costs for the design, documentation, and installation of Speed Reader Boards will be borne by the originator of the request for the installation of the device.

Contact:

**Ministry of Transportation & Infrastructure
Electrical Engineering Centre
Electrical Design Group
Suite 310 - 1500 Woolridge Street
Coquitlam V3K 0B8**