



<b>Subject: LED Chevrons</b>	
<b>Date:</b> February 10, 2016	<b>Author:</b> Steve Drew
<b>Bulletin Number:</b> TE 2016-01 <b>Bulletin Type:</b> Requirement	<b>Effective Date:</b> February 10, 2016
<b>Audience</b>	<b>Standards Affected</b>
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:**

The LED Chevron sign is a W-062 Series Chevron Alignment Marker sign with LED’s around the perimeter of the black arrow. The LED’s enhance the visibility of the sign and help to maintain its effectiveness during adverse weather conditions.

**Policy:**

LED Chevrons shall be installed only in locations approved by the Regional Traffic Engineer.

Approved 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 the *Standard Specification for Highway Construction*, and approved by the Electrical Engineering Centre. The drawings shall convey all pertinent electrical information, including the location, configuration, mounting details and power source.

LED chevrons shall be connected to an electrical service.

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

**Procedure:**

An application shall be made to the Regional Traffic Engineer for approval to install LED chevrons. Once approved, the Electrical Engineering Centre shall be contacted to initiate the design and stipulate any documentation requirements or updates.

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*.

The Manager, Electrical Services shall notify the appropriate power authority of the increased loading if LED Chevrons are connected to a non-metered electrical service.



All costs for the design, documentation, and installation of LED Chevrons will be borne by the originator of the request for the installation of the device.

**Contact:**

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