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| Subject: Radar Vehicle Detection Sensors | |
| Date: February 10, 2016 | Author: Steve Drew |
| Bulletin Number: TE 2016-02 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 | Electrical & Traffic Engineering Manual, Electrical & Signing Materials Standards, Standard Specification for Highway Construction |

Background:

Radar Vehicle Detection Sensors have many applications in the transportation sector including monitoring traffic for volume, speed, and occupancy. They may also be used as an alternative to inductive loops for intersection vehicle detection and stop bar detection.

Policy:

Radar Vehicle Detection Sensors shall only be installed in locations approved by the Electrical Engineering Centre.

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.

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

Procedure:

An application shall be made to the Electrical Engineering Centre for approval to install Radar Vehicle Detection Sensors. Once approved the Electrical Engineering Centre will review the design and stipulate any required documentation updates.

Radar Vehicle Detection Sensor programming and commissioning shall be documented and retained by the Electrical Engineering Centre, the Manager Electrical Services, and the Electrical Maintenance Contractor.

The Manager, Electrical Services will be contacted to add any installed devices to the electrical infrastructure inventory.

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



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

Contact:

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