

Electrical Maintenance Specification E-530 (Version 1 – July 2008)

**OVERHEIGHT DETECTION SYSTEM (OHD) MAINTENANCE**

**1. OBJECTIVE**

- To ensure that overheight detection systems are operational and function in accordance with their design.

**2. GENERAL PERFORMANCE SPECIFICATIONS**

**2.1 Routine Maintenance Services**

The Contractor must:

- a) perform preventative maintenance of overheight detection systems;
- b) repair overheight detection systems;
- c) replace non-functioning overheight detection systems and components;
- d) remove graffiti;
- e) test all overheight detection systems, and
- f) document all overheight detection system activities.

**2.2 Additional Services**

The Contractor must as and when required by the Ministry:

- a) supply, install and verify operation of overheight detection systems complete with cabinets;

**3. DETAILED PERFORMANCE SPECIFICATIONS**

**3.1 Routine Maintenance Services**

The Contractor must:

- a) Repair or replace overheight detection systems and their components, in conformance with manufacturers' recommendations.
- b) perform preventative maintenance;

- c) notify the PHCC of any malfunctioning overheight detection system and inform the PHCC when repaired;
- d) remove or cover graffiti in accordance with the *Highway Maintenance Specification – Litter Collection and Graffiti Removal*;
- e) document all activities related to electrical maintenance of overheight detection systems including but not limited to field inspections, patrols, testing, complaints received / responses made, and all changes made to the overheight detection systems.

### **3.1.1 Performance Time Frames**

The following establishes the maximum time, from the time the deficiency was detected or reported to the Contractor, within which the Contractor must respond to the deficiency:

- a) overheight detection systems and their components that constitute or have the potential to constitute an immediate safety hazard to the Highway User or cause a traffic disruption, within 1 hour;
- b) overheight detection systems and their components that do not operate as per their original design intent but are not immediate safety hazards, on the next regularly scheduled work day;
- c) overheight detection systems and/or their components that operate as per the original design intent, do not create a safety hazard, and are structurally sound but have identified deficiencies, within 3 months.

The Contractor must:

- a) perform preventative maintenance annually, with the exception of transmitter and receiver lens glass, which shall be cleaned at six month intervals, or as conditions warrant;
- b) notify the PHCC of any malfunctioning overheight detection systems causing traffic disruption within 5 minutes from the time the malfunction was detected by or reported to the Contractor and inform the PHCC when repaired;
- c) remove or cover graffiti in accordance with the Performance Time Frames listed in the *Highway Maintenance Specification – Litter Collection and Graffiti Removal*;

- d) document all activities related to electrical maintenance and operations of overheight detection systems immediately.

### **3.2 Materials**

- Refer to 3.1 of the Introduction.