

## ELECTRICAL MAINTENANCE SPECIFICATION E-520

### ELECTRONIC MESSAGE SIGN MAINTENANCE

#### 1. OBJECTIVE

To ensure electronic message signs are operational and function in accordance with their design and Ministry standards.

#### 2. DETAILED PERFORMANCE SPECIFICATIONS

##### 2.1 Routine Maintenance Services

The Contractor must:

- a) repair electronic message signs and their components that constitute or have the potential to constitute a Safety Hazard to the highway user and Respond within 1 hour;
- b) repair electronic message signs and their components that create Traffic Disruptions and Respond within 1 hour;
- c) repair electronic message signs and their components that do not operate as per their original design but are not immediate Safety Hazards or causing Traffic Disruptions and Respond within 7 Working Days;
- d) repair electronic message signs and/or their components that do not create a Safety Hazard, do not cause Traffic Disruptions, and are structurally sound but have identified deficiencies and Respond within 30 days;
- e) perform Preventative Maintenance as required;
- f) replace all HID lamps every 48 months;
- g) notify the RTMC of any malfunctioning electronic message signs causing a Traffic Disruption within 5 minutes from the time the malfunction was detected by or reported to the Contractor and notify the RTMC when repaired;
- h) remove or cover graffiti in accordance with the performance time frames listed in the *Highway Maintenance Specification – Litter Collection and Graffiti Removal*; and
- i) document all activities related to electrical maintenance of electronic message signs including but not limited to field inspections, Patrols, testing, complaints received / responses made, and all changes made to the equipment and operations in a timely manner to the Province's satisfaction.

## 2.2 Materials

Refer to Article 3 of the Introduction to the Specifications.