

## ELECTRICAL MAINTENANCE SPECIFICATION E-350

### ARCHITECTURAL AND ORNAMENTAL LIGHTING MAINTENANCE

#### 1. OBJECTIVE

To ensure that architectural and ornamental lighting is operational and functions in accordance with their design and Ministry standards.

#### 2. DETAILED PERFORMANCE SPECIFICATIONS

##### 2.1 Routine Maintenance Services

The Contractor must:

- a) repair or replace any architectural and ornamental lighting that constitutes a Safety Hazard to the highway user and Respond within 1 hour;
- b) repair or replace architectural and ornamental lighting and their components that create Traffic Disruptions and Respond within 1 hour;
- c) repair or replace architectural and ornamental lighting and/or their components if 3 adjacent luminaires or more than 50% of the luminaires are not operational and Respond within 7 Working Days;
- d) repair or replace architectural and ornamental lighting and/or their components that do not create a Safety Hazard, do not cause Traffic Disruptions, or 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) replace all architectural and ornamental lighting LED lamps as required;
- h) replace all non-LED lamps other than HID lamps once every 12 months;
- i) mark the replacement lamps with the date at the time of replacement;
- j) notify the RTMC of any malfunctioning architectural and ornamental lighting causing a traffic or pedestrian disruption within 5 minutes from the time the malfunction was detected by or reported to the Contractor and notify the RTMC when repaired;
- k) remove or cover graffiti in accordance with the performance time frames listed in the *Highway Maintenance Specification – Litter Collection and Graffiti Removal*; and

- l) document all activities related to electrical maintenance of architectural and ornamental lighting 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.