

## BC MINISTRY OF TRANSPORTATION

### Electrical Maintenance Specification E-210 (Version 6 – May/05)

#### POST MOUNTED FLASHER MAINTENANCE

##### 1. OBJECTIVE

- To ensure Post Mounted Flashers and Solar Powered Flashers are operational and function in accordance with their design and Ministry standards.

##### 2. GENERAL PERFORMANCE SPECIFICATIONS

###### 2.1 Routine Maintenance Services

- All services for this Electrical Maintenance Specification are routine.

###### 2.2 Additional Services

- Not applicable to this Electrical Maintenance Specification.

##### 3. DETAILED PERFORMANCE SPECIFICATIONS

###### 3.1 Routine Maintenance Services

The Contractor must:

- a) repair or replace Post Mounted Flashers, Solar Powered Flashers and their components;
- b) perform preventative maintenance;
- c) replace non-LED lamps;
- d) replace LED signal head light sources;
- e) notify the PHCC of any malfunctioning Post Mounted Flashers or Solar Powered Flashers and causing a traffic disruption and inform the PHCC when repaired;
- f) remove or cover graffiti in accordance with the *Highway Maintenance Specification – Litter collection and Graffiti Removal*; and

- g) document all activities related to electrical maintenance of Post Mounted Flashers, Solar Powered Flashers and including but not limited to field inspections, patrols, testing, complaints received / responses made, and all changes made to the equipment and operations.

### **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 deficiencies:

- a) repair or replace Post Mounted Flashers, Solar Powered Flashers and their components that constitute or have the potential to constitute a safety hazard to the Highway User or cause a traffic disruption, within 1 hour;
- b) repair or replace Post Mounted Flashers, Solar Powered Flashers and their components that do not operate as per their original design but are not immediate safety hazards or causing traffic disruptions within 7 working days;
- c) repair or replace Post Mounted Flashers and Solar Powered Flashers and/or their components that do not create a safety hazard, do not cause traffic disruptions, and are structurally sound but have identified deficiencies within 3 months;

The Contractor must:

- a) replace all non-LED lamps of signal heads once every 12 months;
- b) replace LED signal head light sources as required;
- c) notify the PHCC of any malfunctioning Post Mounted Flashers and Solar Powered Flashers causing a traffic disruption within 5 minutes from the time the malfunction was detected by or reported to the Contractor and inform the PHCC when repaired;

- d) remove or cover graffiti in accordance with the Performance Time Frames listed in the *Highway Maintenance Specification – Litter Collection and Graffiti Removal*; and
- e) document all activities related to electrical maintenance of Post Mounted Flashers and Solar Powered Flashers immediately.

### **3.2 Additional Services**

- Not applicable to this Electrical Maintenance Specification.

### **3.3 Materials**

- Refer to the Introduction.