

BC MINISTRY OF TRANSPORTATION

Electrical Maintenance Specification E-420 (Version 6 – May/05)

PERMANENT TRAFFIC COUNTER STATION MAINTENANCE

1. OBJECTIVE

- To ensure that Permanent Traffic Counter Stations 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 Permanent Traffic Counter Stations and their components, including permanent traffic counter data acquisition units;
- b) perform preventative maintenance;
- c) remove or cover graffiti in accordance with the *Highway Maintenance Specification – Litter collection and Graffiti Removal*; and
- d) document all activities related to electrical maintenance of Permanent Traffic Counter Stations 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 Permanent Traffic Counter Stations and their components that constitute or have the potential to constitute a safety hazard to the Highway User within 1 hour;
- b) repair or replace Permanent Traffic Counter Stations and their components that create traffic disruptions within 1 hour;
- c) repair or replace Permanent Traffic Counter Stations and their components that do not operate as per their original design but are not immediate safety hazards or causing traffic disruptions within 14 working days, except for failed traffic count loops which shall be repaired or replaced within 1 month subject to suitable weather conditions;
- d) repair or replace Permanent Traffic Counter Stations and/or their components that do not create a safety hazard, do not cause traffic disruptions, and are structurally sound and collecting accurate traffic count and classification data but have identified deficiencies within 3 months;
- e) remove or cover graffiti in accordance with the Performance Time Frames listed in the *Highway Maintenance Specification – Litter Collection and Graffiti Removal*; and
- f) document all activities related to electrical maintenance of Permanent Traffic Counter Stations immediately.

3.2 Additional Services

- Not applicable to this Electrical Maintenance Specification.

3.3 Materials

- Refer to the Introduction.