

# **BC MINISTRY OF TRANSPORTATION**

## **Electrical Maintenance Specification E-700**

### **HIGHWAY ELECTRICAL INFRASTRUCTURE INCIDENT AND VANDALISM RESPONSE**

#### **1. OBJECTIVE**

- To protect Highway Users from conditions that are unsafe or have the potential to become unsafe; and to restore the movement of traffic.

#### **2. GENERAL PERFORMANCE SPECIFICATIONS**

##### **2.1 Routine Maintenance Services**

- All services for this Electrical Maintenance Specification are routine.

##### **2.2 Quantified Maintenance Services**

- Not applicable to this Maintenance Specification.

#### **3. DETAILED PERFORMANCE SPECIFICATIONS**

##### **3.1 Routine Maintenance Services**

The Contractor must:

- a) attend at incidents or vandalism that have caused damage to electrical infrastructure;
- b) repair all damage to electrical infrastructure attributable to an incident or vandalism;
- c) install a fully actuated temporary traffic signal controller to re-establish traffic signal operations when a traffic signal controller is damaged. The temporary traffic signal controller does not need to have volume counting capability or emergency pre-emption functions however is to have rail pre-emption. The agencies affected by the restricted functionality of the temporary traffic signal controller must be notified;
- d) document all repairs and costs associated with the damage repair;  
and

- e) complete a Chargeable Maintenance Costs report and forward that report to the Province as required.

### **3.1.1 Performance Time Frames**

The Contractor must:

- a) immediately, from the time the incident was detected by or reported to the Contractor, take appropriate corrective actions;
- b) within one week of the date of request by the Province, forward all photographs, documentation and records with respect to incidents at other than signalized intersections;
- c) for incidents at signalized intersection, within one week of the date of the request by the Province, forward all photographs, documentation and records, including:
  - i. A copy of the Signal Timing Sheet in effect at the time and date of the incident;
  - ii. A copy of the Traffic Signal Record form indicating when the Signal Timing Sheet was implemented;
  - iii. A copy of the Controller Programming that was in effect at the time and date of the incident;
  - iv. A summary of all complaints and maintenance activities one week before to one week after the date of the incident;
  - v. The last date the conflict monitor in the traffic signal controller cabinet was installed and tested; and
  - vi. Any other information relevant to the incident.
- d) repair damage to electrical infrastructure in accordance with the appropriate Electrical Maintenance Specification and their Performance Time Frames; and
- e) within one week of the incident or act of vandalism, initiate a Chargeable Maintenance Cost report and send photographs of the damage.

- f) within one week of repair completion, forward the completed Chargeable Maintenance Cost report with the appropriate documentation and photographs to the Province.

### **3.2 Quantified Maintenance Services**

- Not applicable to this Maintenance Specification.

### **3.2 Materials**

- Refer to Section B of the Introduction.

## **4. WARRANTY**

- Not applicable to this Electrical Maintenance Specification.

### **3.3 Performance Time Frames**

- Not applicable to this Maintenance Specification.

### **3.4 Materials**

- Refer to Section B of the Introduction.

## **4. WARRANTY**

- Not applicable to this Maintenance Specification.