

**B.C. MINISTRY OF TRANSPORTATION**  
**SOUTH COAST ELECTRICAL MAINTENANCE SERVICE AGREEMENT**  
**LOCAL AREA SPECIFICATION # 2**  
**HWY99-HWY15 BORDER ATIS ELECTRICAL SYSTEM MAINTENANCE**

**1. OBJECTIVE**

To ensure the ATIS system is operational and available to provide traveler information.

**2. GENERAL PERFORMANCE SPECIFICATIONS**

**1.1. Routine Maintenance Services**

All services for this Local Area Specification are Routine.

The Contractor must perform Hardware and Software Maintenance in accordance with Electrical Maintenance Specifications and ATIS System Manual for the following equipment:

- a) All electrical system equipment on Hwy 99 and Hwy 15 South of 8 Avenue and 8<sup>th</sup> Avenue between Hwy 99 and Hwy 15 including the two Dynamic Message Signs (DMS) north of 8<sup>th</sup> Avenue;
- b) ATIS software and operating system on central system computer for Border ATIS and LGB ATIS systems;

**1.2. Quantified Maintenance Services**

Not applicable to this Local Area Specification.

**3. DETAILED PERFORMANCE SPECIFICATIONS**

**3.1 Routine Maintenance Services**

The Contractor must:

- a) Maintain, repair and replace all electrical components in accordance with the Province's and manufacturer's maintenance manuals and checksheets, and ATIS System Manual;
- b) Maintain, repair and replace all Border ATIS electrical equipment including the following systems, as applicable:
  - i) central system computer;
  - ii) webcams and their components including support structures and communication;

- iii) ATC (Advanced Traffic Controller) units;
  - iv) detector loops including detector cards and cables;
  - v) two Dynamic Message Signs (DMS) including communication;
  - vi) F/O (Fiber Optic) cable;
  - vii) all underground equipment including Junction Boxes;
  - viii) all ATC or central computer system cabinets
  - ix) all power distribution from the point of attachment to the hydro authority.
- c) Maintain, repair and provide ATIS Software, including but not limited to:
- i) central server and operating system including software updates
  - ii) ATIS application support
  - iii) annual software validation including field survey

Notes:

1. If it is estimated by the Contractor and confirmed by the Ministry Senior Electrical Engineer, that at any particular time, the costs to repair or replace systems or associated components exceeds \$10,000 per incident, the Ministry will reimburse the Contractor for the amount of the repair over the \$10,000. The contractor is responsible for the amount up to \$10,000.
2. The Contractor will be reimbursed for single incident material costs over \$1,000.00 for Chargeable Maintenance Costs (CMC's)

### 3.1.1. Performance Time Frames

The Contractor must:

- a) immediately, upon detection or notification to the Contractor of an electrical system failure, initiate corrective maintenance and report the failure to the Province;
- b) complete repairs expeditiously and return the system to full functionality;
- c) monitor on a daily basis system operation using ATIS maintenance website;
- d) schedule and perform inspection and routine maintenance of all electrical systems in accordance with the Province's and/or manufacturer's maintenance manuals and checksheets;
- e) repair or replace any component of the system that constitute or have the potential to constitute a safety hazard to the Highway User within one hour;
- f) repair or replace central computer that is not functioning as designed within one week;
- g) repair or replace web cameras or their components that do not create a safety hazard or causing traffic disruption on the next working day and inform the PHCC when repaired;

- h) repair or replace DMS and their components that do not create a safety hazard or causing traffic disruption, but are not operating as designed, within two working days;
- i) repair or replace ATC unit that is not functioning as designed next working day;
- j) repair or replace any detection loop and associated card within two weeks;
- k) repair or replace fiber optic cable and associated modems within one week.

### **3.2 Quantified Maintenance Services**

Not applicable to this Local Area Specification.

### **3.3 Materials**

The Contractor must supply and use materials in accordance with the Province's and/or manufacturer's maintenance manuals, or as proposed by the Contractor and approved in writing by the Province.

## **4. WARRANTY**

Not applicable to this Local Area Specification.