

B.C. MINISTRY OF TRANSPORTATION

SA14 LOCAL AREA SPECIFICATION # 7

SNOW SHED MAINTENANCE

1. OBJECTIVE

To ensure the safe and efficient operation of all structural, mechanical and electrical components of the Great Bear Snow Shed.

2. GENERAL PERFORMANCE SPECIFICATIONS

2.1 Routine Maintenance Services

All services for this Local Area Specification are Routine.

2.2 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 the following systems:
 - i) all doors and locks associated with the Great Bear Snow Shed as well as the Ottomite electrical house; and
 - ii) generators and motors, including back-up systems;
- b) maintain year round access to site in accordance with the Maintenance Specification for Highway Snow Removal 3.1 h. This includes pull out areas at each of the four corners of the Snow Shed, access up to and including the Snow Shed generator and to the Ottomite electrical house;
- c) maintain snow and ice control, in particular at portal entrances in accordance with the Maintenance Specification for Roadside Snow and Ice Control;
- d) maintain and repair concrete deck in accordance with the Maintenance Specification for Bridge Deck Maintenance, with

credit for such work under the Maintenance Specification for Bridge Deck Maintenance;

- e) maintain and repair portals, girders, walls and enclosures in accordance with the Maintenance Specification for Concrete Structure Maintenance with no credit for such work under the Maintenance Specification for Concrete Structure Maintenance;
- f) maintain and repair bridge bearings (grout packs) in accordance with the Maintenance Specification for Bridge Bearing Maintenance, with no credit for such work under the Maintenance Specification for Bridge Bearing Maintenance;
- g) maintain and repair generator/electrical house gate, railing and flooring in accordance with the Maintenance Specification for Bridge Railing Maintenance with no credit for this work under the Maintenance Specification for Bridge Railing Maintenance;
- h) clean and maintain the Great Bear Snow Shed in accordance with the Maintenance Specification for Bridge and Structure Cleaning, with no credit for this work under the Bridge and Structure Cleaning;
- i) ensure that water will not be allowed to splash on or near electrical lighting;
- j) clean and remove Debris from ditches and watercourses particularly on the slope side on top of the Shed in accordance with the Maintenance Specification for Ditch and Watercourse Maintenance;
- k) clean, maintain and replace surface drainage appliances in accordance with the Maintenance Specification for Drainage Appliance Maintenance with no credit under the Maintenance Specification for replacement or new installation;
- l) clean, maintain and replace Shed Drains and Flumes in accordance with the Maintenance Specification for Bridge Drain and Flume Maintenance, with no credit for this work under the Maintenance Specification for Bridge Drain and Flume Maintenance;

Notes:

1. If it is estimated by the Contractor and confirmed by the Bridge Structural Engineer or Senior Electrical Engineer, that at any particular time, the costs to repair or replace systems or associated components exceeds \$35,000, refer to Section G of the Introduction to the Maintenance Specifications.
2. The Contractor is not responsible for charges related to network services to provide the camera signal to the snow shed.
3. The Contractor is not responsible for electrical maintenance of the High Voltage Systems in either the Great Bear Snow Shed electrical vault nor B.C. Hydro's Ottomite electrical vault.

3.1.1 Performance Time Frames

The Contractor must:

- a) immediately, upon detection or notification to the Contractor of a mechanical, electrical system failure, initiate maintenance and report the failure to the Province;
- b) ensure the drain heating is turned on prior to October 15 and turned off after April 15;
- c) complete repairs and return the system to full functionality immediately upon notification to or detection by the Contractor;
- d) schedule and perform inspection and routine maintenance of electrical and mechanical components bi-annually, except for the generator which will be test run a minimum of once every two months;
- e) maintain a log book of the inspections identified in sub-section d) above; the log book must be retained on site near the generator at a location determined by the Ministry Representative.

3.2 Quantified Maintenance Services

Not applicable to this Local Area Specification.

3.3 Materials

Refer to Schedule B of the Introduction of the Maintenance Specifications.

4. WARRANTY

Not applicable to this Local Area Specification.