

**B.C. MINISTRY OF TRANSPORTATION**

**SA06 – Local Area Specification #1**

**MOVABLE BRIDGE MAINTENANCE**

**1. OBJECTIVE**

To provide safe navigable waterways for marine traffic.

**2. GENERAL PERFORMANCE SPECIFICATIONS**

**2.1 Routine Maintenance Services**

All services for this Local Area Specification are Routine.

There are 2 Movable Bridges in this Service Area:

- a) Middle Arm Bridge (swing Bridge, Richmond);
- b) Annacis Channel Bridge (swing Bridge, Annacis Island);

For the purpose of this Local Area Specification, a Movable Bridge is defined as a Bridge of any type having one or more spans capable of being raised, turned, lifted or slid from its normal vehicular and/or pedestrian service location to provide for the passage of vessels. The movements of the Superstructure may be produced either manually or by engine power.

**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) notify the Vancouver Maritime Traffic Communication Centre of any failure of mechanical or electrical components of the Movable Bridge if the Bridge cannot be fully opened or fully closed;
- b) maintain, repair and replace steel, electrical and mechanical components of the Movable Bridge that are unsafe or have the potential to become unsafe for Highway Users;
- c) maintain and repair the Movable Bridge as required to ensure the safe and efficient operation of the swing or lift mechanisms;
- d) keep all moving parts and contact faces at Deck joints thoroughly clean and lubricated; and
- e) maintain and repair mechanical and electrical equipment (including all overhead lighting, traffic and/or lane control signals, and directional lighting) as required to ensure proper operation.

**Note:** If it is estimated by the Contractor and confirmed by the Province that at any particular time, at any particular Bridge, the cost of maintaining or repairing the Movable Bridge or associated components exceeds \$35,000, refer to Section G of the Introduction to the Maintenance Specifications.

##### 3.1.1 Performance Time Frames

The Contractor must:

- a) immediately report any seizures or failure of electrical or mechanical components of a Movable Bridge to the Province and immediately commence repairs;
- b) immediately, from the time the deficiency was detected by or reported to the Contractor, perform maintenance, repairs and replacement of electrical and mechanical components of the Movable Bridge; and

- c) clean and lubricate moving parts and contact faces at Deck joints annually.

### **3.2 Quantified Maintenance Services**

Not applicable to this Local Area Specification.

#### **3.2.1 Performance Time Frames**

Not applicable to this Local Area Specification.

### **3.3 Materials**

Not applicable to this Local Area Specification.

## **4. WARRANTY**

Not applicable to this Local Area Specification.