

B.C. MINISTRY OF TRANSPORTATION

SA03 - LOCAL AREA SPECIFICATION 4

MOVABLE BRIDGE MAINTENANCE

17th Street Bridge (lift span, at Courtenay)

1. OBJECTIVE

To ensure safe and reliable service to Highway Users.

2. GENERAL PERFORMANCE SPECIFICATIONS

2.1 Routine Maintenance Services

All services for this Local Area Specification are Routine.

There is 1 Movable Bridge in this Service Area:

17th Street Bridge (lift span, at Courtenay).

DEFINITION

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 Province 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 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;
- e) maintain and repair mechanical equipment as required to ensure proper operation as per the “maintenance schedule” in the “17th Street Bridge Operating and Maintenance Manual”; and
- f) coordinate with the Ministry’s electrical contractor, all aspects of maintenance and repairs that involve mechanical and electrical work.

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 mechanical repairs;
- b) immediately, from the time the deficiency was detected by or reported to the Contractor, perform maintenance, repairs and replacement of 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

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

4. WARRANTY

Not applicable to this Local Area Specification.