

B.C. MINISTRY OF TRANSPORTATION

SA03 - LOCAL AREA SPECIFICATION #1

DOCK AND RAMP MAINTENANCE

17th Street (Courtenay) Dock

1. OBJECTIVE

To ensure the safe and efficient function of the Dock; and to maximize the functional life of the Dock.

2. GENERAL PERFORMANCE SPECIFICATIONS

2.1 Routine Maintenance Services

All services for this Local Area Specification are Routine.

There is one Dock to maintain in this Service Area: the 17th Street (Courtenay) Dock.

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/or replace components of the Dock in accordance with Section B1 of the Introduction to the Maintenance Specifications and the Ferry Maintenance and Operations Manuals;
- b) schedule maintenance activities to minimize delays to the public; where the work cannot be scheduled outside of normal operating hours and will result in a service interruption, the Contractor must notify the public two days in advance of the scheduled work;

- c) keep Bearings, cables, cable saddles, travellers and other movable/mechanical components at the Dock lubricated and maintained at all times;
- d) adjust the Dock, including counter balances as required;
- e) with prior approval by the Province, remove the Dock from the water and embankments prior to winter ice conditions and, as required during extreme conditions of high water or flooding and/or unusual Debris quantities, and return such structures to service when conditions permit;
- f) maintain, repair and/or replace railings at the Dock in accordance with the Maintenance Specification for *Bridge Railing Maintenance* (subject to 3.1.1 f);
- g) paint the Dock and associated components in accordance with the Maintenance Specification for *Minor Painting of Bridge Structures* (subject to 3.1.1 f), with credit for such work under the Maintenance Specification for *Minor Painting of Bridge Structures*;
- h) maintain, repair and/or replace Bailey and Acrow structures at the Dock in accordance with the Maintenance Specification for *Bailey and Acrow Bridge Maintenance* (subject to 3.1.1 f);
- i) maintain, repair and/or replace timber or steel Piling at or associated with the Dock in accordance with the Maintenance Specification for *Bridge Piling Maintenance* (subject to 3.1.1 f), with credit for such work under the Maintenance Specification for *Bridge Piling Maintenance*;
- j) maintain, repair and/or replace Deck systems on Docks, Ramps and Movable Ramps in accordance with the Maintenance Specification for *Bridge Deck Maintenance* (subject to 3.1.1 f), with credit for such work under the Maintenance Specification for *Bridge Deck Maintenance*; and the Maintenance Specification for *Concrete Structure Maintenance*, with credit for such work under the Maintenance Specification for *Concrete Structure Maintenance*;
- k) perform snow removal and application of Winter Abrasives or other products to ensure good traction at the Dock in accordance with the Maintenance Specifications for *Winter Abrasives and Chemical Snow and Ice Control* and the Maintenance Specifications for *Highway Snow Removal*;

- l) maintain and/or repair existing parking areas in accordance with the Maintenance Specification for *Highway Pavement Patching and Crack Sealing* (subject to 3.1.1 f), with credit for such work under the Maintenance Specification for *Highway Pavement Patching and Crack Sealing*; and the Maintenance Specification for *Gravel Surface Grading and Re-shaping* (subject to 3.1.1 f), with credit for such work under the Maintenance Specification for *Gravel Surface Grading and Re-shaping*;
- m) clean all pavement and concrete surfaces and in accordance with the Maintenance Specification for *Pavement Surface Cleaning* (subject to 3.1.1 f);
- n) remove garbage in accordance with the Maintenance Specification for *Rest Area and Roadside Facility Maintenance* (subject to 3.1.1 f);

Note: If it is estimated by the Contractor and confirmed by the Province that, at any particular time, the cost to maintain the Reaction Ferry exceeds \$35,000, refer to Section G of the Introduction to the Maintenance Specifications.

3.1.1 Performance Time Frames

The Contractor must

- a) complete Routine Maintenance Services within the Maximum Response Times indicated in the table below:

Maintenance Activity	Maximum Response Time
(i) adjust Docks, ramps and Movable Ramps for water level, or remove from the water in case of emergencies	4 h
(ii) maintain and repair Dock, ramp and Movable Ramp structure Deck systems	24 h
(iii) maintain and repair parking areas, including pavement patching, Debris and garbage removal	5 d
(iv) maintain and repair other Dock, ramp and Movable Ramp structure components	10 d

Maintenance Activity		Maximum Response Time
(v)	normal removal from or placement in water of Docks, Ramps and Movable Ramps	5 d
(vi)	timber or steel Piling maintenance	6 m

Legend

h - hours

d - days

m – months

- b) immediately respond to any damage which threatens the stability of the Dock, Ramp or Movable Ramp structure and/or the safety of Highway Users, in accordance with the Maintenance Specification for *Structural Damage Response*;
- c) immediately respond to any damage or condition that results in the Docks, Ramps, and Movable Ramps being inoperable;
- d) remove snow and apply Winter Abrasives and/or chemicals on approach Highways, parking areas, Docks, ramps and Movable Ramps, in accordance with the Performance Time Frames in the Maintenance Specifications for *Highway Snow Removal* and the Maintenance Specifications for *Winter Abrasives and Chemical Snow and Ice Control* as specified for the Classification of the Highway at the Dock site;
- e) remove snow and apply Winter Abrasives and/or chemicals in parking areas at the same frequency as the Highway leading up to the Docks; and
- f) comply with the Performance Time Frames in this Local Area Specification which will take precedence over Performance Time Frames in other applicable Maintenance Specifications.

3.2 Quantified Maintenance Services

- a) **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 B1 of the Introduction to the Maintenance Specifications.

The wire rope material must be of the same type and at least equal in quality as the existing material.

4. WARRANTY

Not applicable to this Maintenance Specification.

DEFINITIONS

- Dock:** a platform for loading and off-loading vessels; includes licensed power ferry and licensed cable ferry, Reaction Ferry, aerial ferry and tie-up docks or landings.
- Movable Ramp:** a ramp that must be moved by raising one or more spans capable of being raised, burned, lifted or slid from its normal vehicular and/or pedestrian service location to provide for the passage of vessels, in accordance with the Navigable Waters Protection Act. The movements for the Superstructure may be produced either manually or by engine power.
- Ramp:** a movable wedge shaped extension of the roadway that slopes from ground level up to another level such as onto the ferry apron and Deck and is constructed of wood, or steel;.or is a stationary concrete running surface that extends into the water and abuts to the ferry Dock or apron.