

B.C. MINISTRY OF TRANSPORTATION

SA12 - LOCAL AREA SPECIFICATION #1

RETAINING STRUCTURE MAINTENANCE

5 Mile Hill

1. OBJECTIVE

To ensure the continued safe and stable condition of the Retaining Structure at 5 Mile Hill and its associated components.

2. GENERAL PERFORMANCE SPECIFICATIONS

The structure is located along the Kickinghorse Canyon Section of the Trans Canada Highway, East of Golden. It is approximately 400m long and has two clean out accesses built into the structure at strategic locations, approximately five meters above the Highway, that will permit the use of some types of equipment. The Highway, including the Travelled Lanes and Shoulders, is paved up to the Retaining Structure. A copy of the plans of the Retaining Structure are included with this Local Area Specification.

2.1 Routine Maintenance Services

The Contractor must maintain the Retaining Structure at 5 Mile Hill in accordance with the Maintenance Specification for *Retaining Structure Maintenance* and in accordance with this Local Area Specification. In case of a discrepancy between the two specifications, this Local Area Specification will apply.

2.2 Quantified Maintenance Services

The Contractor must replace components of the Retaining Structure at 5 Mile Hill in accordance with the Maintenance Specification for *Retaining Structure Maintenance* and in accordance with this Local Area Specification. In case of a discrepancy between the two specifications, this Local Area Specification will apply.

3. 3. DETAILED PERFORMANCE SPECIFICATIONS

3.1 Routine Maintenance Services

The Contractor must:

- a) clean out accumulations of Debris at any particular time behind the Retaining Structure when the Debris prevents the Retaining Structure from functioning as designed; and dispose of Debris in a manner acceptable to regulatory agencies;
- b) when there is a risk that Debris may damage the Highway during clean out operations, place bedding material on the Highway to protect it from being damaged by falling or placed material, or use another method to protect the Highway;
- c) repair damaged “gabion type” baskets when the damage is caused by the Contractor in the course of performing maintenance;
- d) repair (and compact if necessary) Backslopes that are damaged or undermined during clean out operations or other maintenance operations, as directed by the Province;
- e) when damage is caused by unusually large rock falls, effect temporary repairs to the concrete and styrene components of the Retaining Structure to protect the Highway until the permanent repair is completed by the Province; and
- f) maintain and repair all other components of the Retaining Structure in accordance with the Maintenance Specification for *Retaining Structure Maintenance*.

3.1.1 Performance Time Frames

The Contractor must:

- a) clean out accumulations of Debris behind Retaining Structure annually, or as required to ensure the structure functions as designed;
- b) remove bedding material immediately once the clean out work is completed;

- c) immediately, upon detection or notification to the Contractor, start repairing damaged “gabion type” baskets; and complete repairs within one month;
- d) immediately, upon detection or notification to the Contractor, repair Backslopes (and compact if necessary);
- e) immediately, upon detection or notification to the Contractor, effect temporary repairs to concrete and styrene components of the Retaining Structure; and
- f) maintain and repair all other components of the Retaining Structure in accordance with the Performance Time Frames in the Maintenance Specification for *Retaining Structure Maintenance* or when Debris reaches two thirds of the height of the wall.

3.2 Quantified Maintenance Services

The Contractor must:

- a) repair or replace “gabion type” baskets when the damage is caused by natural events; and
- b) replace all other components of the Retaining Structure in accordance with the Maintenance Specification for *Retaining Structure Maintenance*.

Note: The Contractor will not be responsible for repairs to the concrete and styrene components of the Retaining Structure when the damage is caused by unusually large rock falls, as determined by the Province.

3.2.1 Performance Time Frames

The Contractor must:

- a) immediately, upon detection or notification to the Contractor, start repairing damaged “gabion type” baskets; and complete repairs within one month;
- b) when the Province takes responsibility for concrete repairs of the concrete components of the structure, repair or replace “gabion type” baskets immediately once the concrete repairs are completed by the Province; and

- c) replace all other components of the Retaining Structure in accordance with the Performance Time Frames in the Maintenance Specification for *Retaining Structure Maintenance*.

3.3 Materials

Bedding material must be of a size small enough to minimize the scuffing or abrading of the asphalt when recovered.

4. WARRANTY

The Contractor warrants all Retaining Structure maintenance against defects for a period of 365 days from the completion of those Maintenance Services. The Contractor must rectify all defects covered by this warranty and all other ancillary work performed under other Maintenance Specifications, without credit for such work, within 1 month of detection by or notification to the Contractor by the Ministry.