

B.C. MINISTRY OF TRANSPORTATION

SA10 – LOCAL AREA SPECIFICATION #2

Kootenay Pass Avalanche Response

1. OBJECTIVE

To ensure the reliability of Highway #3 in the Kootenay Pass Area as a connector route between Salmo and Creston.

Kootenay Pass has an average annual snow fall of 950 cm and 400 avalanches per season. The Pass has 51 avalanche paths, of which 27 are considered high frequency, which can create impassable conditions and deposit a significant snow load on the Highway.

The 27 high frequency avalanche paths are located between the Noname and Stagleap (Microwave) avalanche areas, 5 km west of Kootenay Pass Summit and the North Fork avalanche area which is 3 km east of the Summit.

This Local Area Specification identifies the minimum rate of snow avalanche removal required for the clearing of single lane and full width of the Travelled Lanes throughout the Kootenay Pass.

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) provide snow removal equipment of sufficient capacity to remove snow avalanche deposits at a rate of 1200 m³/hour; and
- b) respond to snow avalanches in accordance with the Maintenance Specification for *Snow Avalanche Response*.

3.1.1 Performance Time Frames

The Contractor must respond in accordance with the times set out in the Maintenance Specification for *Snow Avalanche Response*.

3.2 Quantified Maintenance Services

Not applicable to this Local Area Specification.

3.3 Materials

The Contractor must supply materials and equipment necessary to support avalanche safety measures.

4. WARRANTY

Not applicable to this Local Area Specification.