

B.C. MINISTRY OF TRANSPORTATION

SA14 – Local Area Specification #3

ARRESTOR BED MAINTENANCE

1. OBJECTIVE

To provide a safe environment for Highway Users and to maximize the functional life of the arrestor bed.

2. GENERAL PERFORMANCE SPECIFICATIONS

2.1 Routine Maintenance Services

All services for this Local Area Specification are Routine.

There is one arrestor bed, the Hamilton Hill Arrestor bed, located 2 km east of interchange 286 (Highway 5 and 97C).

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) when the arrestor bed is being utilized, provide traffic control in accordance with the Maintenance Specification for *Traffic Control*;
- b) wash bed aggregate to eliminate fines impeding free drainage;
- c) loosen bed aggregate:
 - i) after each use, to 450mm in depth and return it to its original cross-section;
 - ii) annually, in its entire length to 600mm for a 1000mm depth bed and to 400mm for a 500mm depth bed;
- d) remove any hazardous and/or contaminating materials from the arrestor bed after each use in accordance with the Maintenance Specification for *Highway Incident and Vandalism Response*;

- e) extract vehicles from the arrestor bed;
- f) document all incidents, i.e., take photographs and complete usage/incident reports;
- g) during the winter, perform the following:
 - i) inspect arrestor bed for frozen crusts during periods of freezing rain or extreme freeze-thaw cycles;
 - ii) clear ice from the arrestor bed; if excessive freezing occurs, break ice crust and restore the surface restored to a smooth condition;

Note: The Contractor must not plow snow onto the arrestor bed or leave a windrow of snow across the entrance.

3.1.1 Performance Time Frames

The Contractor must:

- a) respond immediately, from the time the incident is detected by or notified to the Contractor, when the arrestor bed is being occupied by providing traffic control, extracting the vehicle and loosening the aggregate;
- b) forward photographs, and usage/incident reports to the Province within 72 hours of the incident, if requested by the Province;
- c) wash and loosen aggregate 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

Aggregates must be consistent with the size and type of existing aggregates.

4. WARRANTY

Not applicable to this Local Area Specification.