

## Table of Contents

1	FRASER VALLEY	1
1.01	Definitions	1
1.02	Demonstration Site Clean-Up	1
1.03	Highway Crossing Infrastructure	2
1.04	Invasive Plants Management	4
1.05	Lane Closures	6
1.06	Movable Bridge Operation and Maintenance – Harrison River Bridge	8
1.07	Multi-Lane Snow Removal - Coquihalla Highway and Highways 1 and 3	9
1.08	Pavement Surface Reflectors	11
1.09	Rest Area Facility Maintenance – Bradner and Cole Road	12
1.10	Salt Containment Infrastructure Maintenance	13
1.11	Snow Avalanche Response – 15100 Fraser Canyon Avalanche Area	16
1.12	Snow Avalanche Response – 15300 Allison Pass Avalanche Area	17
1.13	Snow Avalanche Response – 25200 Coquihalla Avalanche Area	18
1.14	Traffic Management – Sowaqua Chain-up Area	19
1.15	Traffic Management – Sumas Prairie	20
1.16	Traffic Patrol – Highway 1	21
1.17	Tunnel System Maintenance – China Bar	23
1.18	Vehicle Inspection Station Maintenance	25

## **1 FRASER VALLEY**

### **1.01 Definitions**

In these Local Area Specifications, capitalized terms will have the corresponding meanings as set out in Article 1 of this Agreement and Section 1 of this Schedule 1 (“Specifications”), and as set forth below:

**“Invasive Plants”** means any invasive alien plant species that has the potential to pose undesirable or detrimental impacts on humans, animals or ecosystems.

**“Salt Containment Infrastructure”** means a storage facility, including all of its components that is used for the storage and loading/unloading salt for winter maintenance operations including, but not limited to the salt shed, fabric/steel roofing, pit floor, evapotranspiration liner, containment pad, and skirt.

### **1.02 Demonstration Site Clean-Up**

#### **1.02.1 Outcome**

To provide Highways that are free of refuse and trash related to demonstration sites.

#### **1.02.2 Quantified Maintenance Services**

**PM1.02.2-1** Remove refuse and trash from demonstration site locations within 7 days as instructed by the Province.

#### **1.02.3 Materials and/or Procedures**

- a) Coordinate refuse and trash removal activities working in cooperation with police authorities, regulatory agencies and the Province; and
- b) Handle, store, transport and dispose of hazardous materials in accordance with provincial regulations.

### **1.03 Highway Crossing Infrastructure**

#### **1.03.1 Outcome**

To provide safe passage of pedestrians and animals underneath or beside a Highway.

#### **1.03.2 Routine Maintenance Services**

- PM1.03.2-1** Respond immediately to restrict all access to Highway Crossing Infrastructure, as directed by the Province.
- PM1.03.2-2** Repair or replace immediately, as directed by the Province, any damaged or deteriorated Highway Crossing Infrastructure that has been structurally compromised, as determined by the Province.
- PM1.03.2-3** Repair or replace within 3 months, any damaged or deteriorated Highway Crossing Infrastructure that has not been structurally compromised, as determined by the Province.
- PM1.03.2-4** Remove Debris immediately from the surfaces of floors, pedestrian paths or stairways.
- PM1.03.2-5** Remove Accumulations, surface contaminants and chemicals by June 30<sup>th</sup> of each calendar year from all surfaces.
- PM1.03.2-6** Remove Debris within 1 month that impedes the passage of animals in animal accessed Highway Crossing Infrastructure.

#### **1.03.3 Quantified Maintenance Services**

- PM1.03.3-1** Repair within 24 hours damaged or deteriorated surfaces on underpass floors, pedestrian paths or stairways.
- PM1.03.3-2** Repair within 6 months other damaged or deteriorated surfaces.

##### **Specific Requirements:**

- a) Maintain Highway Crossing Infrastructure within Rest Areas in accordance with the response of the adjacent Highway Classification.

#### **1.03.4 Materials and/or Procedures**

Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

Additional material and/or procedures requirements are as follows:

- a) Use materials in accordance with the same type and quality on the existing Highway Crossing Infrastructure.

**1.03.5 Routine Maintenance Services Cap**

\$50,000 – for each occurrence, the cost to repair or replace Highway Crossing Infrastructure.

**1.03.6 Warranty**

Refer to Section 3 of this Schedule 1 (“Specifications”).

## 1.04 Invasive Plants Management

### 1.04.1 Outcome

To minimize the introduction and spread of Invasive Plants on Highways and Gravel Pits.

### 1.04.2 Routine Maintenance Services

**PM1.04.2-1** Meet annually, with the agency conducting Invasive Plant management for the Province, during development of the Quantified Maintenance Services to coordinate planned activities.

**PM1.04.2-2** Inspect all Gravel Pits and material sources annually to ensure they are free of Invasive Plants.

**PM1.04.2-3** Report Invasive Plant conditions to the agency conducting Invasive Plant management for the Province, as follows:

Performance Criteria	Response
a) Prior to the disturbance of knotweed species that restricts Sight Distance or creates a condition that is unsafe or has the potential to become unsafe	immediately
b) Any Invasive Plant infestations on Highways and Gravel Pits	2 d

#### Notes:

- 1) Only the exposed, active areas of the Gravel Pits are to be considered.

### 1.04.3 Quantified Maintenance Services

**PM1.04.3-1** Seed specific areas of exposed soils exceeding 1 metre up the Shoulder sideslope and the backslope due to ditch maintenance.

#### Notes:

- 1) The Standard Specifications for Highway Construction describes the revegetation requirements including, but not limited to blending, seed analysis and application timing.

### 1.04.4 Materials and/or Procedures

Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

Additional materials and/or procedures requirements are as follows:

- a) Comply with the Best Practices for Managing Invasive Plants on Roadsides;

- b) Incorporate Invasive Plant management when planning and performing Quantified Maintenance Services;
- c) Seed side-cast ditch materials;
- d) Seek approval from the Province if disturbance of knotweed species is required;
- e) The Contractor may submit a plan for approval by the Province for the use of herbicides, as a control measure for knotweed or other Invasive Plants;
- f) Herbicides are to be applied by a certified pesticide applicator;
- g) Do not use gravel materials contaminated with Invasive Plants, unless a rectification process is submitted and approved by the Province; and
- h) Report Invasive Plants to the agency conducting Invasive Plant management for the Province online or using the Province's smartphone application or the provincial toll-free service.

#### **1.04.5 Warranty**

Refer to Section 3 of this Schedule 1 ("Specifications").

## 1.05 Lane Closures

### 1.05.1 Outcome

To keep Highway Users safe and provide the Services with minimal interruptions to the flow of traffic.

### 1.05.2 Routine Maintenance Services

**PM1.05.2-1** Notify emergency services and BC Transit a minimum of 2 days in advance of all lane closures.

**PM1.05.2-2** Advertise all lane closures a minimum of 2 days in advance on the local radio stations and in newspapers.

**PM1.05.2-3** Use portable changeable message signs a minimum of 2 days in advance of all lane closures with a duration greater than 2 weeks.

**PM1.05.2-4** Lane closures are prohibited as follows:

Highway	Starting	Ending	Between	Time Period
Highway 1 Eastbound	Monday	Sunday	264 <sup>th</sup> Avenue to Whatcom Road	0600 to 2300
Highway 1 Westbound	Monday	Sunday	264 <sup>th</sup> Avenue to Whatcom Road	0500 to 2300
Highway 1 Eastbound	Monday	Friday	Whatcom Road to Vedder Road	0600 to 1800
Highway 1 Eastbound	Saturday	Sunday	Whatcom Road to Vedder Road	1000 to 2000
Highway 1 Eastbound	July	August	Whatcom Road to Vedder Road	0600 to 2200
Highway 1 Westbound	Monday	Friday	Whatcom Road to Vedder Road	0800 to 1900
Highway 1 Westbound	Saturday	Sunday	Whatcom Road to Vedder Road	0900 to 1700
Highway 1 Westbound	July	August	Whatcom Road to Vedder Road	0500 to 2300
Highway 1	When special events occur at major venues (e.g. Abbotsford Air Show)		264 <sup>th</sup> Avenue to Vedder Road	0000 to 2400

#### Notes:

- 1) The Province may modify the prohibitions in response to changing conditions, including but not limited to traffic volumes, construction, or other changing conditions as determined by the Province; and
- 2) The Province may grant exemptions to the time periods where lane closures are prohibited for work of short duration or minimal impact to traffic flow or for work that cannot be practically accomplished by means of artificial lighting.

**1.05.3 Materials and/or Procedures**

Additional materials and/or procedures are as follows:

- a) Ensure traffic control devices are not in an active position when lane closures are prohibited;
- b) All lane closures are prohibited from 1200 to 2400 hours on Thursdays when statutory holidays fall on a Friday;
- c) All lane closures are prohibited from 1200 to 2400 hours on Fridays when statutory holidays fall on a Monday;
- d) All lane closures are prohibited on multi lane Highways when traffic volumes exceed 1200 vehicles per hour per open lane for lanes adjacent to the work zone; and
- e) All lane closures are prohibited on multi lane Highways when traffic volumes exceed 1500 vehicles per hour per open lane for lanes not adjacent to the work zone.



## **1.06 Movable Bridge Operation and Maintenance – Harrison River Bridge**

### **1.06.1 Outcome**

To provide safe navigable waterways for marine traffic and ensure safe and reliable service to Highway Users.

### **1.06.2 Routine Maintenance Services**

- PM1.06.2-1** Report any malfunctions immediately to the Province.
- PM1.06.2-2** Open the Movable Bridge at the time scheduled by the Vancouver Fraser Port Authority, direct movement of the vessels until they are clear of the Movable Bridge, and then immediately close the Movable Bridge.
- PM1.06.2-3** Operate and maintain the Movable Bridge in accordance with the Instructions for Mechanical Maintenance of the Harrison River Bridge Swing Span and Harrison River Bridge Electrical manual.
- PM1.06.2-4** Maintain, repair or replace immediately any damaged or deteriorated steel or mechanical components.
- PM1.06.2-5** Maintain and lubricate annually, all moving parts and contact faces at deck joints.

### **1.06.3 Materials and/or Procedures**

Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

Additional materials and/or procedures are as follows:

- a) Post contact telephone numbers for the Contractor and the Province at the marine approaches to the Movable Bridge at locations approved by the Province;
- b) Operate in accordance with the applicable Coast Guard approvals under the provisions of the Navigation Protection Act;
- c) Ensure operators of the Movable Bridge are qualified to operate VHF radio to direct the movement of vessels;
- d) Coordinate openings of the Harrison River Bridge with the Railway Authority; and
- e) Coordinate maintenance work that impacts electrical components with the Province's electrical contractor.

### **1.06.4 Routine Maintenance Service Cap**

\$50,000 – per occurrence, the cost for the Contractor to maintain, repair or replace steel or mechanical components of the Movable Bridge.

**1.07 Multi-Lane Snow Removal - Coquihalla Highway and Highways 1 and 3****1.07.1 Outcome**

To provide enhanced highway snow removal exceeding the performance measures in General Specifications 3.01 of this Schedule 1 ("Specifications") related to the response to Winter Accumulations and Compact on the Coquihalla Highway and sections of Highways 1 and 3.

**1.07.2 Routine Maintenance Services**

**PM1.07.2-1** Remove Winter Accumulations that exceeds 4 centimetres in height from all Travelled Lanes.

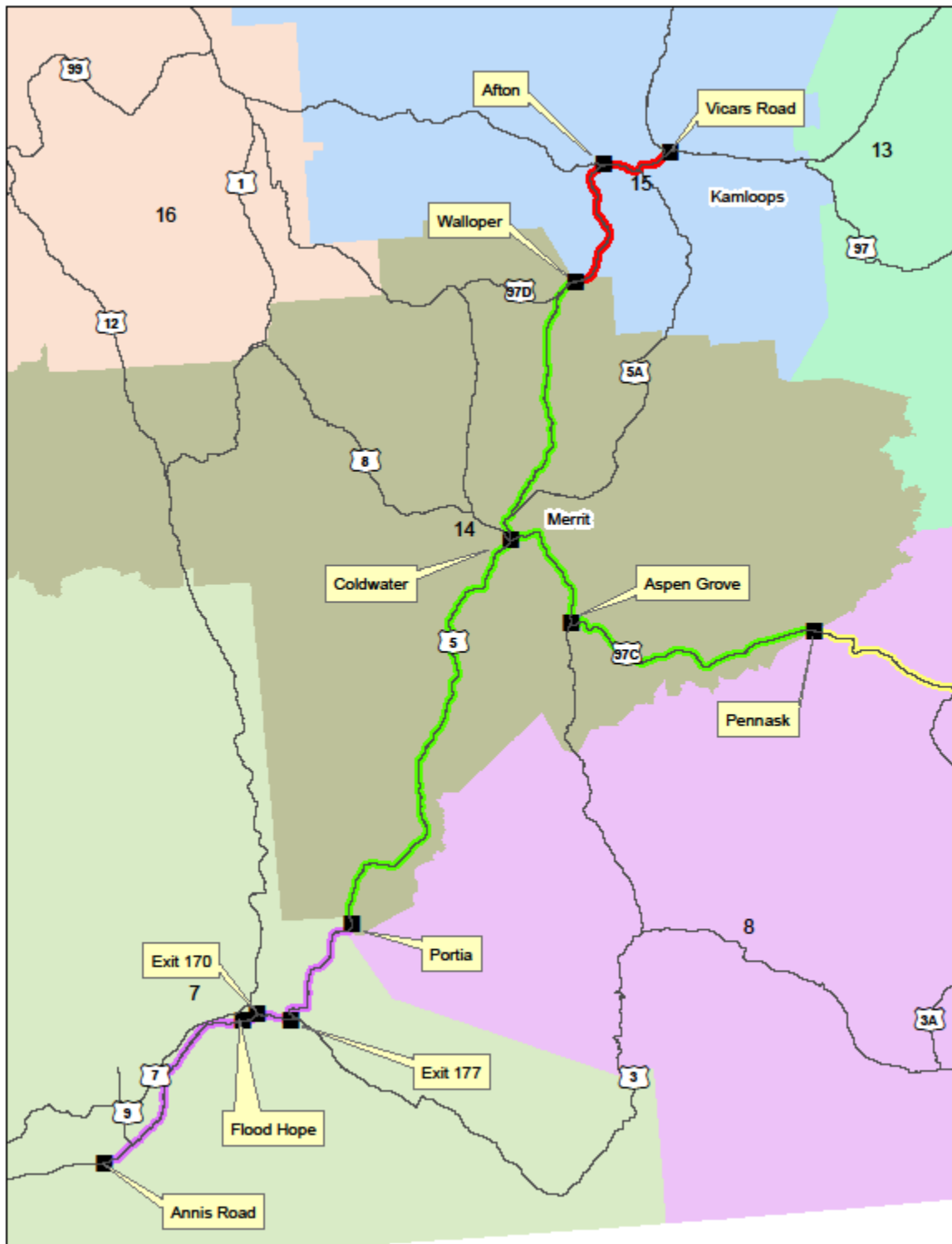
**Notes:**

- 1) The sections of Highway for enhanced snow removal in Service Area 7 are shown in Appendix A.

**1.07.3 Materials and/or Procedures**

- a) Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

## Appendix A



**1.08 Pavement Surface Reflectors****1.08.1 Outcome**

To facilitate the safe and orderly movement of traffic.

**1.08.2 Routine Maintenance Services**

There are no Routine Maintenance Services.

**1.08.3 Quantified Maintenance Services**

**PM1.08.3-1** Replace pavement surface reflectors by May 31<sup>st</sup> of each calendar year that are missing or are no longer effective.

**PM1.08.3-2** Install non-recessed pavement surface reflectors within 1 month at new locations.

**1.08.4 Materials and/or Procedures**

Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

## 1.09 Rest Area Facility Maintenance – Bradner and Cole Road

### 1.09.1 Outcome

To provide enhanced maintenance for the Bradner Rest Area and the Cole Road Rest Area exceeding the performance measures in General Specification 4.04 of this Schedule 1 (“Specifications”).

### 1.09.2 Routine Maintenance Services

**PM1.09.2-1** Maintain Rest Area facilities between the hours of 0800 and 2000 daily, as follows:

Performance Criteria	Response
a) External building components (including but not limited to exterior walls, foundations, roof, windows and doors) are cleaned and maintained	every 2 h
b) Interior building components (including but not limited to walls, ceilings, floors, fittings and fixtures) are cleaned and maintained	every 2 h
c) Water systems are maintained and functioning	every 2 h
d) Sani-station septic systems are monitored, maintained and functioning	daily or more often if required
e) All required supplies are available	every 2 h
f) Picnic tables are cleaned	every 2 h
g) Litter is collected and disposed	every 2 h

### 1.09.3 Materials and/or Procedures

Refer to Section 1.6 of this Schedule 1 (“Specifications”).

## 1.10 Salt Containment Infrastructure Maintenance

### 1.10.1 Outcome

To provide for the safe handling and storage of salt and Winter Abrasives on provincial land and monitor, maintain, repair and replace provincially owned Salt Containment Infrastructure.

### 1.10.2 Routine Maintenance Services

- PM1.10.2-1** Off-load salt onto an evapotranspiration liner or containment pad, if available and/or store immediately within the salt shed.
- PM1.10.2-2** Retrieve and return to the salt shed immediately, any salt spillage over the top of skirt that lines the inside of the salt shed.
- PM1.10.2-3** Remove immediately, any salt or salt contaminated material on the pit floor to a depth of 40 centimetres for use with Winter Abrasives when processing.
- PM1.10.2-4** Notify the Province immediately of any damage to the containment pond, including but not limited to the liner, berm or fencing.
- PM1.10.2-5** Temporarily repair damaged or deteriorated salt shed components immediately, that permits water infiltration.
- PM1.10.2-6** Permanently repair within 8 weeks, any temporarily repaired steel/fabric salt shed components that permits water infiltration.
- PM1.10.2-7** Permanently repair within 2 weeks, any temporarily repaired wooden salt shed components that permits water infiltration.
- PM1.10.2-8** Inspect and document the condition of Salt Containment Infrastructure as follows:

Performance Criteria	Response
a) Evapotranspiration water/brine levels	daily or more often when required
b) Water in the containment pond to prevent over-flowing	daily or more often when required
c) Steel/fabric salt sheds including, but not limited to, the steel structural components including base plates, wire cross-bracing, fabric roof, fabric lashing, winches and vents, lock-blocks and protective skirt	bi-annually in the spring and fall or in accordance with the manufacturer's specifications and recommendations, whichever is more frequent
d) Wooden salt shed including but not limited to structural condition and weatherproof exterior	annually
e) Salt shed apron and containment pad surfaces	annually
f) Evapotranspiration liner surface absorption	daily or more often when required

**PM1.10.2-9** Maintain the superstructure of steel/fabric salt sheds as follows:

Performance Criteria	Response
a) Remove grime and encrusted salt off the salt shed's steel interior	annually
b) Lubricate winches	annually
c) Re-tension-web and fabric roof lashing	annually
d) Re-tighten fastening bolts	annually
e) Remove surface rust	annually

**PM1.10.2-10** Repair or replace Salt Containment Infrastructure as follows:

Performance Criteria	Response
a) Damaged or deteriorated containment pond components, including but not limited to the liner, berm or fencing	immediately
b) Loss of absorption for a compact surface where water is ponding on the evapotranspiration liner	immediately
c) Saturation or overflow of evapotranspiration water/brine	when required
d) Damaged or deteriorated wooden salt shed components	within 2 weeks of the bi-annual inspection or as noted in PM1.08.2-8
e) Damaged or deteriorated steel/fabric salt shed components	within 8 weeks of the bi-annual inspection or as noted in PM 1.08.2-8 if salt and/or Winter Abrasive with salt is present or prior to when the salt and/or Winter Abrasive with salt is scheduled to be stored
f) Cracked, chipped edges, pot holes, settling/ponding, or base failure of surfaces	General Specifications 1.01, 1.06 and 1.10 of this Schedule 1 ("Specifications") for a Class 4 Highway

**PM1.10.2-11** Replace annually, the top 10 centimetres of salt contaminated material on the evapotranspiration surface with free draining material and use the removed salt contaminated material for Winter Abrasives processing.**Notes:**

- 1) The Province inspection H-form is to be used for inspections of steel/fabric salt sheds;
- 2) PM1.10.2-10 (f) includes possible Quantified Maintenance Services; and
- 3) Salt shed locations are provided in Appendix A of Schedule 13 ("Gravel Licence").

**1.10.3 Materials and/or Procedures**

Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

Additional materials and/or procedures requirements are as follows:

- a) Load salt and/or Winter Abrasive containing salt on a containment pad or the evapotranspiration liner surface;
- b) Store salt and/or Winter Abrasive containing salt at a height below the top 30 centimetres of the skirt within a steel/fabric salt shed and ensure the top of the lock block wall remains free of salt accumulation;
- c) Park heavy equipment used for loading salt or Winter Abrasive containing salt, on the containment pad, evapotranspiration liner or within the salt shed;
- d) Prevent spillage onto the pit floor when transporting salt;
- e) Store Winter Abrasive containing salt under cover or on a containment pad or on an evapotranspiration liner, if supplied;
- f) Use a spill proof apron for salt hoppers to contain salt and facilitate retrieval;
- g) Store salt contaminated material for future use with Winter Abrasives on a containment pad or evapotranspiration liner or in a salt shed;
- h) Prevent salt contaminated materials from being tracked from the containment pad or evapotranspiration liner and use a containment pond for disposal, if one exists on site;
- i) Maintain an open catchment area adjacent to the salt shed exterior walls to accommodate unobstructed snow shedding off the structure;
- j) Remove snow from the roof of steel/fabric salt shed and adjust the roof tension after the snow accumulation has been removed in accordance with the manufacturer's specifications and recommendations;
- k) Reseal exposed surfaces following the removal of surface rust with zinc-rich primer/paint;
- l) Maintain and repair damaged or deteriorated salt shed components in accordance with the manufacturer's specifications and recommendations;
- m) Use engineered designs for all repairs, modifications or replacement to steel/fabric salt shed structural components including, but not limited to the fabric roof, prepared by a Professional Engineer, retained by the Contractor; and
- n) Securely lock gates and post signage to prevent unauthorized access to fenced containment ponds.

#### **1.10.4 Routine Maintenance Services Cap**

\$50,000 – for each occurrence, the cost to repair or replace a salt shed.



## **1.11 Snow Avalanche Response – 15100 Fraser Canyon Avalanche Area**

### **1.11.1 Outcome**

To provide an enhanced snow avalanche response exceeding the performance measures in General Specification 3.04 of this Schedule 1 (“Specifications”) to minimize Highway closures and facilitate the safe and orderly flow of traffic.

### **1.11.2 Routine Maintenance Services**

**PM1.11.2-1** Commence removal of snow avalanche deposits immediately upon being notified by the Province from the Highway at a minimum removal rate of 1800 m<sup>3</sup> per hour within a designated avalanche area, with uninterrupted service until the deposits are removed.

**PM1.11.2-2** Commence the removal of snow deposits within 12 hours upon being notified by the Province from catchment areas, static defence structures and safety structures at a minimum removal rate of 1200 m<sup>3</sup> per hour within a designated avalanche area, with uninterrupted service until the deposits are removed.

**PM1.11.2-3** Provide one personnel continuously 24 hours per day, to patrol and provide avalanche occurrence observations to the Province, when the avalanche hazard forecast level is moderate or higher.

### **1.11.3 Materials and/or Procedures**

- a) Comply with the District Avalanche Traffic Plan SA 7 and SA 14.

## **1.12 Snow Avalanche Response – 15300 Allison Pass Avalanche Area**

### **1.12.1 Outcome**

To provide an enhanced snow avalanche response exceeding the performance measures in General Specification 3.04 of this Schedule 1 (“Specifications”) to minimize Highway closures and facilitate the safe and orderly flow of traffic.

### **1.12.2 Routine Maintenance Services**

**PM1.12.2-1** Commence removal of snow avalanche deposits immediately upon being notified by the Province from the Highway at a minimum removal rate of 1800 m<sup>3</sup> per hour within a designated avalanche area, with uninterrupted service until the deposits are removed.

**PM1.12.2-2** Commence the removal of snow deposits within 12 hours upon being notified by the Province from catchment areas, static defence structures and safety structures at a minimum removal rate of 1200 m<sup>3</sup> per hour within a designated avalanche area, with uninterrupted service until the deposits are removed.

**PM1.12.2-3** Provide one personnel continuously 24 hours per day, to patrol and provide avalanche occurrence observations to the Province, when the avalanche hazard forecast level is moderate or higher.

### **1.12.3 Materials and/or Procedures**

- a) Comply with the District Avalanche Traffic Plan SA 7 and SA 14

## **1.13 Snow Avalanche Response – 25200 Coquihalla Avalanche Area**

### **1.13.1 Outcome**

To provide an enhanced snow avalanche response exceeding the performance measures in General Specification 3.04 of this Schedule 1 (“Specifications”) to minimize Highway closures and facilitate the safe and orderly flow of traffic.

### **1.13.2 Routine Maintenance Services**

**PM1.13.2-1** Commence removal of snow avalanche deposits immediately upon being notified by the Province from the Highway at a minimum removal rate of 1800 m<sup>3</sup> per hour within a designated avalanche area, with uninterrupted service until the deposits are removed.

**PM1.13.2-2** Commence the removal of snow deposits within 12 hours upon being notified by the Province from catchment areas, static defence structures and safety structures at a minimum removal rate of 1200 m<sup>3</sup> per hour within a designated avalanche area, with uninterrupted service until the deposits are removed.

**PM1.13.2-3** Provide one personnel continuously 24 hours per day, to patrol and provide avalanche occurrence observations to the Province, when the avalanche hazard forecast level is moderate or higher.

### **1.13.3 Materials and/or Procedures**

- a) Comply with the District Avalanche Traffic Management Plan SA 7 and SA 14.

## **1.14 Traffic Management – Sowaqua Chain-up Area**

### **1.14.1 Outcome**

To provide enhanced traffic management exceeding the performance measures in General Specification 5.03 of this Schedule 1 (“Specifications”) related to ensuring the safety of Highway Users on Highway 5.

### **1.14.2 Routine Maintenance Services**

**PM1.14.2-1** Commence traffic management immediately, upon notification from the Province, in accordance with the Coquihalla Management Protocol.

#### **Notes:**

- 1) The Sowaqua chain-up is located adjacent Highway 5 northbound, approximately 15 kilometres north of Hope.

### **1.14.3 Materials and/or Procedures**

- b) Comply with the Coquihalla Management Protocol.

## **1.15 Traffic Management – Sumas Prairie**

### **1.15.1 Outcome**

To provide enhanced traffic management exceeding the performance measures in General Specification 5.03 of this Schedule 1 (“Specifications”) related to ensuring the safety of Highway Users on Highway 1 between the Sumas Way Interchange and the Lickman Road Interchange.

### **1.15.2 Routine Maintenance Services**

**PM1.15.2-1** Commence traffic management immediately upon notification from the Province, in accordance with the Fraser Valley District Sumas Prairie Traffic Management Plan.

**PM1.15.2-2** Erect and occupy barricades at designated access points within 30 minutes upon notification from the Province.

### **1.15.3 Materials and/or Procedures**

- a) Comply with the Fraser Sumas Prairie Traffic Management Plan.

## 1.16 Traffic Patrol – Highway 1

### 1.16.1 Outcome

To provide the safe and efficient flow of traffic on Highway 1 between Whatcom Road and Highway 13.

### 1.16.2 Routine Maintenance Services

**PM1.16.2-1** Conduct hourly traffic patrols and station patrol vehicles at each location for point duty, when not performing traffic patrols as follows:

Location	From	To	Time Period	No. of Vehicles
Segment 1 (Whatcom Road to Mt. Lehman Road)	Monday	Friday	0500 to 0900 1400 to 1900	1
Segment 2 (Mt. Lehman Road to Highway 13)	Monday	Friday	0500 to 0900 1400 to 1900	1

\*Excluding Statutory Holidays

**PM1.16.2-2** Respond with a patrol vehicle immediately to the scene of an obstruction.

**PM1.16.2-3** Remove any vehicles involved in an incident or other obstructions immediately from the Travelled Lanes.

**PM1.16.2-4** Identify and document immediately, all traffic disruption incidents, including their circumstances within a daily log book.

**PM1.16.2-5** Communicate immediately the following conditions or incidents to the Regional Transportation Management Centre:

Location	Condition or Incident
a) All locations	Any affecting or having the potential to affect the flow of traffic
b) All locations	Damage to a Bridge, entrance ramp or an exit ramp

### 1.16.3 Materials and/or Procedures

- a) Ensure patrol vehicles are flat deck tow vehicles with wheel lift device and a minimum 1 tonne rating and are equipped to communicate with the Regional Transportation Management Centre at all times; and
- b) Patrol vehicles are to be equipped with the following:
  - Front push bumper and wheel lift device;
  - Firefighting equipment;
  - Basic first aid equipment;
  - Safety flares;

- Brooms, shovels, jumper cables and other equipment as directed by the province;
- Flashing arrow board;
- 20 litres of liquid absorbing compound; and
- Jerry-can with 20 litres of fuel.

## 1.17 Tunnel System Maintenance – China Bar

### 1.17.1 Outcome

Provide safe and efficient operation of the mechanical systems and building at the China Bar Tunnel.

### 1.17.2 Routine Maintenance Services

**PM1.17.2-1** Notify the Province immediately of any mechanical or electrical system failures that disrupts the tunnel lighting.

**PM1.17.2-2** Temporarily restore power immediately for the tunnel lighting using the mechanical systems.

**PM1.17.2-3** Permanently repair or replace mechanical systems within 48 hours.

**PM1.17.2-4** Inspect, maintain and document the condition and maintenance of mechanical systems every 6 months or in accordance with the manufacturer's specifications and recommendations, whichever is more frequent.

**PM1.17.2-5** Test the mechanical systems every 30 days.

**PM1.17.2-6** Maintain, repair or replace damaged or deteriorated building components as follows:

Performance Criteria	Response
h) Temporarily repair to restore functionality to damaged doors or locks	immediately
i) Permanently repair doors or locks	30 d
j) External building components (including but not limited to exterior walls, foundations, roof, windows and doors) are cleaned and maintained	annually or more often when required
k) Interior building components (including but not limited to walls, ceilings, floors, and fixtures) are cleaned and maintained	annually or more often when required

#### Notes:

- 1) The response for permanent repairs to doors or locks begins when the Contractor detected or was made aware of the requirement for the temporary repair; and
- 2) The Contractor is not responsible for electrical maintenance of the high voltage systems in the tunnel and building.

### 1.17.3 Materials and/or Procedures

Refer to Section 1.6 of this Schedule 1 ("Specifications").

Additional materials and/or procedures requirements are as follows:



- a) Supply fuel and materials for mechanical systems; and
- b) Coordinate maintenance work that impacts electrical components with the Province's electrical contractor.

**1.17.4 Routine Maintenance Service Cap**

\$50,000 - for each occurrence, the cost to repair or replace mechanical systems or the cost to repair or replace building components.

## **1.18 Vehicle Inspection Station Maintenance**

### **1.18.1 Outcome**

To facilitate the safe and efficient operation of Vehicle Inspection Stations.

### **1.18.2 Routine Maintenance Services**

**PM1.18.2-1** Provide Services at the Vehicle Inspection Station areas in accordance with the response identified in the Vehicle Inspection Station plan in Appendix A.

#### **Specific Requirements:**

- a) Remove Winter Accumulations from all Travelled Lanes and vehicle accessible portions of the Vehicle Inspection Station in accordance with PM3.01.2-1 (a) of the General Specifications of this Schedule 1 "Specifications").

#### **Notes:**

- 1) The Contractor is not responsible for the buildings or for the management and maintenance of the weigh scale, electrical components and the water and septic systems.

### **1.18.3 Quantified Maintenance Services**

**PM1.18.3-1** Provide Services at the Vehicle Inspection Station areas in accordance with the response identified in the Inspection Station plan in Appendix A.

#### **Notes:**

- 1) The Contractor is not responsible for the buildings or for the management and maintenance of the weigh scale, electrical components and the water and septic systems.

### **1.18.4 Materials and/or Procedures**

Refer to Subsection 1.6 of this Schedule 1 ("Specifications").

### **1.18.5 Warranty**

Refer to Section 3 of this Schedule 1 ("Specifications").

## Appendix A Vehicle Inspection Station Plan



