



AIMRoads

**Stakeholder Winter
Awareness**

2022

**Okanagan Similkameen
SA08**



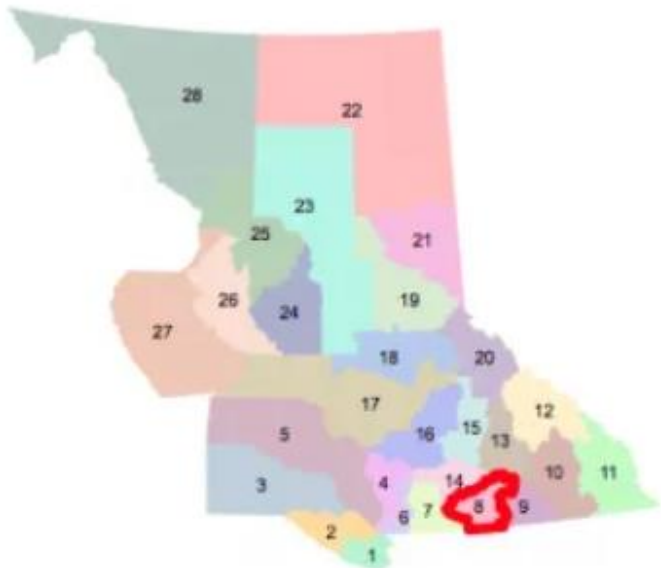
ACCIONA IS A GLOBAL LEADER
IN INFRASTRUCTURE, HIGHWAY MAINTENANCE,
WATER, SERVICES AND RENEWABLE ENERGIES

ACCIONA has been a global provider of infrastructure maintenance services since 1990, and has operated forty seven (47) Highway, Road and Bridge Operations & Maintenance contracts in various countries including Canada, since 2000.

ACCIONA is currently operating and maintaining eleven public-private partnership (PPP) highways under a variety of service models and is self-performing an additional eight highway maintenance contracts.



Acciona Infrastructure Maintenance (AIMRoads) provides Highway infrastructure maintenance and services solutions for the **South Okanagan (SA08)** area.



Service Area 8 (SA08) includes:

- 4,106 lane kilometres (1,543 road kilometres/800 road kilometres of numbered highway).
- 5 Rest Areas
- 159 Bridges/Culvert structures
- 37 retaining wall structures
- 2 Border Crossing to USA
- 4 Mountain Passes
- 3 Ski Hills

Our yards are located in:

- Kelowna
- West Kelowna
- Summerland
- Oliver
- Keremeos
- Princeton

AIM Roads brings a strong team to both services areas.

The majority of our management staff has been involved in highways maintenance in BC for more than 15 years and combined, the management teams brings more than 120 years of highway maintenance knowledge. Along with over 65 full time BCGEU members, This ensure a strong local knowledge base is retained as well as an employee-pool skilled in highway maintenance activities.

This team lives and works in your communities and we are committed to meeting our service delivery obligations.

Meet our
AIMRoads
Team members!



Contact AIM Roads for all Stakeholder concerns 24h/days - 7 days a week.

1-866-222-4204
aimcommunications.ca@acciona.com

AIM Roads notifies Stakeholders of weather concerns and Drive BC and social media updates.

facebook



Did you know that **DriveBC** features a new email subscription service that allows you to register for email notification of new or updated events in your district or along your preferred routes?

<https://email.drivebc.ca/choose.php>



Winter Specifications

- The following road specifications are the same for all roads maintained by the province of BC regardless of geographic location
- MOTI staff conduct numerous audits through-out the winter season on our performance to ensure AIMRoads is meeting or exceeding our contractual obligations

Highway Condition Reporting

During Winter, Specifications Require:

Road condition updates to DriveBC at:

5:00am

7:00am

4:00pm

* DriveBC always has the latest information updated by our drivers that are out on the roads



Road Classification

Did you know that all roads have a winter classification defined by the specification as follows:?

Winter Classification	
<u>Class</u>	<u>Definition</u>
A	high volume traffic (over 5,000 winter average daily traffic count) or commuter routes and certain expressways and freeways through mountain passes. For the purposes of Classification, a freeway is a multi-lane highway with fully controlled access. Class A are heavy commuter traffic routes extended to include the bulk of vehicles commuting daily to a center and cut-off where traffic drops below a 2,500 winter average daily traffic count. These include but are not limited to high volume ski hill and commuter routes.
B	trunk and main routes (or portion thereof as designated by the Province) not included in Class A, with a cut-off traffic volume of 1,000 winter average daily traffic count. These include but are not limited to lower volume ski hill and commuter routes.
C	school bus routes and industrial (truck) traffic routes (more than 25% trucks) not included in Class A and B.
D	other regularly maintained winter routes.
E	other irregularly maintained winter routes.
F	highways not maintained in the winter, or not open, or not maintained by the Contractor.



WINTER SPECIFICATIONS

3.01.2 Routine Maintenance Services

PM3.01.2-1 Remove Winter Accumulations from Travelled Lanes as follows:

Performance Criteria	Maximum Winter Accumulations Response by Highway Classification				
	A	B	C	D	E
a) One lane each direction	4 cm	6 cm	10 cm	15 cm	25 cm
b) Second lane	8 cm	10 cm	n/a	n/a	n/a
c) All other lanes including brake checks, chain up/off areas and any other vehicle accessible portions within the Right-of-Way	12 cm	16 cm	20 cm	20 cm	n/a
d) Rest Areas, pull-outs and parking areas at a minimum 2.5 metre pass width	12 cm	16 cm	20 cm	20 cm	n/a

PM3.01.2-2 Notwithstanding PM3.01.2-1, remove slush or broken Compact from Travelled Lanes as follows:

Performance Criteria	Response by Highway Classification				
	A	B	C	D	E
a) All lanes including brake checks, chain up/off areas and any other vehicle accessible portions within the Right-of-Way	90 min	2 h	6 h	n/a	n/a

PM3.01.2-3 Remove Winter Accumulations and Compact after the end of the Weather Event from Travelled Lanes as follows:

Performance Criteria	Response by Highway Classification				
	A	B	C	D	E
a) Bare lanes when the pavement temperature is -9°C or warmer	24 h	36 h	48 h	n/a	n/a

Notes:

- 1) The Response for Class C in PM3.01.2-3 does not apply to gravel or Surface Treatment on gravel Highways.

Each winter road classification has a required winter specification timeframe for AIM Roads to meet. Depending on the snow accumulation and conditions on the travelled lanes, AIM will respond.

Did you know that most school bus routes are classified as C roads?

AIM roads adjusts response times on school bus routes to improve safety and conditions.

Winter Specifications – Winter Abrasives

PM3.02.2-4 Restore traction on Travelled Lanes with Slippery conditions, once the Weather Event commences as follows:

Performance Criteria	Response by Highway Classification			
	A	B	C	D
a) Grades exceeding 5 percent, b) Curves with regulatory or warning speeds under 60 km per hour c) Curves on a hill d) School zones e) Intersections f) Black ice prone locations g) Incident prone locations h) Shady areas	60 min	90 min	2 h	4 h
i) All other locations	2 h	3 h	4 h	6 h

PM3.02.2-5 Restore traction on Travelled Lanes during freezing rain as follows:

Performance Criteria	Response by Highway Classification			
	A	B	C	D
a) Freezing Rain	2 h	3 h	4 h	6 h

PM3.02.2-6 Restore traction to Compact Travelled Lanes by modifying the surface using mechanical, chemical and/or Winter Abrasives as follows:

Performance Criteria	Response by Highway Classification			
	A	B	C	D
a) Compact Travelled Lanes not able to effectively retain Winter Abrasive	24 h	24 h	2 d	5 d



Did you know that brine is a preventative material that is applied to the road surface prior to snowfall or frost. The brine dries on the road surface and provides early snow melting capabilities?



AIM Roads Initiatives:

- **Dedicated weather forecast service**, specific to AIM Roads. Including a focus on expected storm period, storm intensity and duration.
- **Email Opt-In Services** for weather/road warnings, incidents, etc.... updates
- **Increased chemical applications** – calcium and brine, tied closer to forecasts



Equipment Types



6 Tow-plows



8 Brine Trucks



Aebi-Schmidt Sander

Aebi-Schmidt Sander

- Innovative, modular design for **individual configurations** tailored to your tasks and operating conditions
- Intuitive operation and assistant systems permit **maximum flexibility in resource planning**

Wing truck sanding and plowing



Tow Plow on 97C
When fully deployed this unit can
clear 2 full lanes of snow

British Columbia Highways – Winter Tires or Carry Chains



Drive to Winter Conditions

Designated Winter Tire & Chain Routes

Winter tires or chains are required on most routes in British Columbia from October 1 to April 30. For select highways not located through mountain passes and/or high snowfall areas, tire and chain requirements end March 31.

These routes are marked with regulatory signs posted on highways throughout the province. We reserve the right to restrict travel at any time of the year depending on road conditions.

These signs are enforced by the police, ministry or other enforcement officials. Motorists who are not compliant may be turned away and fined.



Did you know ?

- When you travel from Kelowna to Penticton during a snow event if you slow from 110 km to 90 km it will only add six minutes to your travel time
- AIMRoads workforce nearly doubles in the winter months from 65 full time employees to +/- 120 employees
- Over 30,000 m³ of winter sand is used and over 6000 m³ of salt
- The price of a new tandem axle plow truck is close to \$420,000.00 once outfitted. We have over thirty in this service area.

FAQ

- **Q: Why do you plow my driveway in?**
- A: All roads have “right of way” adjoining the road surface for exactly this reason, to allow snow and other maintenance activities to take place. Your driveway access is a permitted portion of the right of way. The snow cannot stay on the road surface therefore it is pushed on to the shoulder (RoW) for storage.
- **Q: I drove 2 hours in a storm and never saw a plow truck?**
- A: Plow trucks have a limited range of approx. 30 km of sand on board, then they have to reload, most pits are not located alongside the main highways. If the plow truck is behind you, chances are they will never catch up to you, they move pretty slow. Look for a small windrow along the shoulder edge to see if a truck has already made one pass, it may be snowing hard enough to cover up any previous plowing.
- **Q: My road to my house has not been plowed yet?**
- A: using the chart in the previous slides, if it is a D classification and we did not receive 15+ cm, the class A- C roads take priority, however roads do get missed for various reasons so please do hesitate to call the comm center if the neighbouring roads have been plowed and yours has not.



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Connect with us

Aim-roads.ca

Additional Information

➤ ShiftIntoWinter.ca

- Free online courses available



➤ DriveBC.ca

- Webcams
- Weather information
- Mobile app
- Plan your route



Please contact AIM Roads aimcommunications.ca@acciona.com to request a meeting with Operations regarding your winter concerns if needed.

On behalf of AIM Roads we wish you a safe and joyful winter season. Thank you.

