



Request for Proposals

Evacuation Route Planning

Release Date: 12th September 2025

Proposals Deadline: 1st December 2025

Project Deadline: 1st July 2026

Please submit proposals and any questions directly to: Emergency Program Officer: jcox@pemberton.ca

RFP Site: www.pemberton.ca/municipal-services/request-for-proposals

EVACUATION ROUTE PLAN

REQUEST FOR PROPOSALS (RFP)

1. Introduction

The Village of Pemberton (VOP) and the Squamish-Lillooet Regional District (SLRD) Electoral Area C (SLRD) is vulnerable to the risks posed by 38 unique hazards identified in a joint Hazard, Risk and Vulnerability Assessment (2013) between the Líl'wat Nation, SLRD and the VOP. These identified hazards range from human caused, technological or caused by nature. Flooding, landslide, wildfire, railway accidents and gas leaks have been identified as the higher-risk hazards to occur, all may result in the need to evacuate residents from our communities. Even a moderate flood event will trigger evacuation alerts and orders throughout the region. The VOP and the SLRD have conducted traffic modeling to understand evacuation routes and timelines; however, there is a need to build further understanding of the shared resources and infrastructure required for mass evacuation in the region, and how it is used and how demands are allocated between communities.

Updated floodplain mapping (NHC 2018) shows that communities in the Pemberton Valley have a history of frequent flooding including severe flood events, and current risk of catastrophic flooding including some dike overtopping likely in a 50-year return period flood (NHC, 2018). Additionally, recent studies of Mt. Meager (Roberti et. al., 2018) conclude a high likelihood of further massive landslides from the northwest flank, assessed as likely to result in the impounding and consequential outburst flood/debris flow from the upper reaches of the Lillooet River into the inhabited areas of the Pemberton Valley. The 2018 NHC report was also sobering in its findings of how much patterns of precipitation have already changed in the Valley since the late 1970's with greater frequency of torrential downpours as more precipitation falls as rain rather than snow, a trend assessed as increasing with further climate change effects (NHC, 2018). Further, a landslide hazard and risk assessment of Mt Currie (BGC, 2018) found that there is a low probability/high consequence risk of a landslide of sufficient volume to impound the Green and potentially the Lillooet rivers, also creating outburst flood hazard downstream of this location and other potentially catastrophic flood effects upstream from the lake-like formation behind the landslide dam.

This proposed project also aligns with the resolution of the multi-jurisdictional Pemberton Valley Emergency Management Committee (PVEMC) which was intended to develop integrated and detailed evacuation routes and plans.

2. Objectives

To Develop and update the VOP & SLRD's existing 5-year-old Evacuation Route Plan to integrate current census data and to shift to a broader emergency management perspective, including a consideration of social factors.

3. Scope

A consultant will be retained to conduct a study of evacuation route planning, identify route challenges and high-demand resources, and design and complete a table top exercise with partners to ensure alignment and identify operational issues. This will result in operational

Evacuation Route Plans at the local level (for VOP) and an updated regional evacuation route plan framework document which captures the consultant recommendations and high-level regional considerations that should be included in each local evacuation route plan in the Sea to Sky.

In preparing the Evacuation Route Plan, the developer will be required to identify alternative routes and means of transportation; accommodations; resources needed, vulnerable population needs; and shareholders that should be involved in planning.

The developed Evacuation Route Plan will include the following:

- Identify the types of threats that would require site support for an evacuation;
- Identify the high-risk neighbourhoods exposed to priority threats;
- Develop an example neighbourhood evacuation plan
- Consult with VOP & SLRD and others on specific aspects of evacuation planning including collaboratively addressing flood evacuation issues shared across the jurisdictions of the SLRD (i.e. consisting of the four electoral areas) and Village of Pemberton (VOP)
- Clearly identify route challenges and high-demand limited resources for mass evacuation (e.g. RCMP officers, traffic management personnel and equipment) and address how such resources would be allocated and prioritized when multiple jurisdictions are affected, , giving particular consideration to scenarios where multiple areas are flooding within and across multiple jurisdictions, or are at risk of flooding and evacuation is occurring, imminent or forecast.
- Presentation of the Evacuation Plan to a Pemberton Village Mayor and Council, Pemberton Valley Emergency Management Committee and a community public information session.
- Provide an evacuation route map booklet for resident distribution
- As per EDMA (section 55), Lil'wat Nation will be consulted and given the opportunity to provide feedback.

The completion of the Evacuation Route Plan will include:


- Review and analysis of current evacuation challenges based on demographics, geographic location, existing HRVA, local geology and current methods of evacuation;
- Review of existing Emergency Response and Recovery Plan;
- Review and analysis of current flood risk mapping;
- Identification of available evacuation routes and assess their capacity compared to local populations;
- Identification of alternative means of transportation including ground, water, or air;
- Identification of neighbourhoods at risk and identify;
- Collaborate with EPC, ESS Director and Fire Chief to determine appropriate muster points, neighbourhood liaisons, group lodging options, transportation capabilities and resource priorities and requirements for evacuation;
- Recommendations on evacuation alert systems and processes for vulnerable population sector.

4. Project Coordination, Consultation and Organization

All contractor and client communications will be through the Emergency Program Officer at the Village of Pemberton.

5. Proposal Contents

A proposal must include the following, but with no extraneous information please:

- a) Names of principal company and any sub-consultants;
- b) Names and resumes of project leader and any other team members who would be *assigned to the project*;
- c) Applicable company and staff experience with *similar* projects along with client references;
- d) Proposed methodological approach to this project;
- e) Scheduling and detailing of work activities with allocated hours for each involved staff member;
- f) Hourly fees of staff dedicated to this project;
- g) Schedule of costs per work activity for staff remuneration and other expenses, including travel, materials, and all payable taxes;
- h) Summary of receivables including presentational materials and five (5) paper copies of the final Plan and Bylaw, and one (1) electronic copy; and
- i) Availability to start contract. Project must be completed no later than  1st, 2026.

7. Proposal Review

All proposals will be reviewed by the Emergency Program Officer (Village of Pemberton) and Emergency Management Technician (Squamish Lillooet Regional District). Proposals must adhere to the VOP's Procurement Policy.

Emergency Program Officer

jcox@pemberton.ca

The Village of Pemberton is located within the unceded territory of Liłwat Nation and honours the language, culture and history of the Liłwat7ul.