

ACCOUNTING FOR CLIMATE CHANGE IMPACTS IN THE DESIGN OF RESOURCE ROAD STREAM CROSSINGS

Final Webinar of the Free Series on Case Studies and Use of Available Climate Tools

Target Audience

Professionals involved in the design and management of resource road infrastructure in British Columbia, and any professionals interested in the challenges of incorporating climate projection tools into engineering design.

Background

In the first half of 2020, FPIinnovations organized six webinars that centred on approaches available to designers when rationalizing for climate change at small, remote crossings ([recordings](#)). These presentations reviewed relevant publicly available interactive map climate tools for B.C., case studies in northern and southern B.C., and developments in available climate tools.

Topic: Two Case Studies in Coastal B.C.

This final webinar of the series presents two case study crossings on the West Coast by detailing how professional judgement plays a central role in:

- design flood hydrology calculations using available data, and
- the use and interpretation of available climate tools that modify the design to create climate change resilience.

Lee Deslauriers will take us through the design process using the regional method at one crossing and the rational method at the other. During the presentation, Matt Kurowski will show how the choices between and within climate tools affect climate change projection outputs, while Lee will share his rationale for how and whether to use results from various climate tools.

The webinar will utilize polls to encourage participants to weigh in on presented steps of the design process to reveal any consensus and/or points for discussion amongst the group and panel.



Thursday, January 14, 2021

10–11:30 a.m. PST

Designing Resource Road Stream Crossings Considering Climate Change: Two Case Studies from Coastal B.C.

Lee Deslauriers, P.Eng., RPF (StoneCrest Engineering)
Matt Kurowski, EIT, M.Sc. (FPIinnovations)

[Register for/join this event](#)

Panel

Jeremy Fyke, Ph.D. (Canadian Centre for Climate Services)
Paul Mysak, P.Eng. (Onsite Engineering Ltd.)
Arelia Schoeneberg, M.Sc. (Pacific Climate Impacts Consortium)
Kari Tyler, M.Ed. (Pacific Climate Impacts Consortium)

