



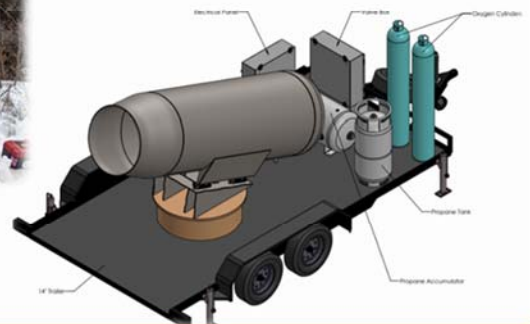
ITS ALASKA 2025 ANNUAL MEETING

SEPTEMBER 30TH, 2025

Technical Program

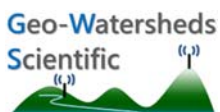


Kyle Sobek (left) and Chris Stinson (right) of the Alaska DOT&PF Avalanche Program after installing the DOT&PF Advanced RWIS Station, South Three Pigs Summit, using Campbell Scientific devices and sensors. – K. Sobek, 20250812



Some of the potential technologies for avalanche control and mitigation: infrasound detection equipment system (left) and a mobile Remote Avalanche Control System (RACS) diagram (right). – T. Glassett, Alaska DOT&PF

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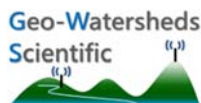
ITS Alaska Annual Meeting Technical Program – Sept. 30, 2025

Locations - Meeting in Anchorage, with viewing get-togethers in Fairbanks and (potentially) Juneau.			
Meeting Location: Anchorage	Remote Viewing Get-Together: Fairbanks	Remote Viewing Get-Together: Juneau	Online (Zoom)
Alaska DOT&PF Central Region HQ, Main Conference Room 4111 Aviation Ave.	Alaska DOT&PF Northern Region HQ, Directors Conference Room 2301 Peger Rd.	TBD	Meeting ID - 865 6639 0451; Passcode - ITSAK; URL - bit.ly/itsalaska2025

Session #	Presentation / Topic
9:30 – 10:00 Session #1: ITS Alaska Business Meeting	1.1: Opportunity for everyone to introduce themselves and their company 1.2: A Brief History of ITS Alaska. <i>Michael Lilly, GW Scientific</i> 1.3: ITS Alaska Annual Business Meeting (Everyone is welcome to attend)
10:00 – 11:30 Session #2: Alaska Initiatives Moderator: Connor Dunham	2.1: Alaska 511 App and News Features. This presentation will explore the latest updates to the Alaska 511 app, including the new bus alerting feature for Fairbanks when using drive mode, and the new freight mode, which provides real-time information on seasonal weight restrictions and audible alerts for bridges. <i>Isvan Gomez, Alaska DOT&PF</i> 2.2: “The Future of DOT Avalanche mitigation in Alaska”- Using Advanced Technology and Innovations. Using a Highway Safety Improvement Program funded project as a guiding document Alaska has started the transition from Military Artillery to alternatives for avalanche mitigation. This includes looking at ways to modernize and upgrade existing programs all to reduce the risk to the traveling public. <i>Timothy Glassett, Alaska DOT&PF</i> 2.3: The Alaska DOT Avalanche Program – Modernization and Innovation of the Advanced (Winter Hazards) RWIS Station Data Network. <i>Chris Stinson and Kyle Sobek, Alaska DOT&PF, Kristina Levine, Ron Paetzold, and Michael Lilly, GW Scientific</i> 2.4: Open Discussion – Future Intelligent Transportation Needs & Opportunities in Alaska. <i>Vinod Vasudevan (Discussion Moderator), University of Alaska Anchorage</i>
11:30 – 1:00	Lunch: will be on your own and is not included.



Session #	Presentation / Topic
<p>1:00 – 2:00</p> <p>Session #3: Research Efforts</p> <p>Moderator: Les Jacobson</p>	<p>3.1: Freight Route Management Application for the Port of Anchorage. Presentation on efforts to plan and prepare infrastructure for ADS-equipped vehicles. <i>Nima Golghamat Raad, Clarkson University, and Sharan Srinivas, University of Missouri</i></p> <p>3.2: Modernizing the Seward Highway @ Turnagain Pass RWIS Station into a Solar-Powered Advanced (Winter Hazards) RWIS Test and Development Station. <i>Isvan Gomez, Alaska DOT&PF, Michael Lilly, Ron Paetzold, George Mueller, Kristina Levine, GW Scientific, Greg Egan, Remote Power Inc., and John Markham, Campbell Scientific</i></p> <p>3.3: Implementation of Snowpack Modeling for Avalanche Hazard Forecasting, <i>Patrick Dryer, Alaska DOT&PF</i></p>
200 - 2:15	Break
<p>2:15 – 3:15</p> <p>Session #4: Video-Based Applications</p> <p>Moderator: Aaron Jongenelen</p>	<p>4.1: Development of a Low-Cost, Low-Power Camera for Winter Hazards RWIS Applications at Atigun Pass, Dalton Highway, Alaska. <i>Gordon Scott, Alaska DOT&PF, George Mueller, Michael Lilly, and Kristina Levine, GW Scientific</i></p> <p>4.2: Real-World Deployments of AI Vision Technologies for Smarter and Safer Roads. <i>Brian Brooke and Wei Sun, AIWaysion, LLC</i></p> <p>4.3: Use of AI in Routine Bridge Deck Inspections. The presentation provides details on the data collection and training of the neural networks, highlighting the study's key findings. <i>Ammad Khan and Mostafa Tazarv, University of Nevada, Reno</i></p>
<p>3:15 – 4:00</p> <p>Session #5: Roundtable on Other Updates</p> <p>Moderator: Jeremy Schroeder</p>	<p>5.1: Public Sector Updates – An opportunity for attendees to hear updates from the Alaska public sector agencies regarding current and upcoming ITS projects.</p> <ul style="list-style-type: none"> - Alaska DOT&PF - Municipality of Anchorage - Others <p>5.2: Brief Vendor Updates on New and Ongoing Activities</p>



Program Note: This hybrid meeting is being supported by Geo-Watersheds Scientific staff. For technical questions, email itsonline2025@itsalaska.org.