http://www.asce-anchorage.org/

FEBRUARY MEETING ANNOUNCEMENT

Branch Meetings now virtual – Microsoft Teams

The Anchorage Branch is virtual right now. Please see below for the link or call in information to join the Microsoft Teams meeting

"Geotechnical Investigation and Pavement Analysis for the Bethel Airport Main Runway Reconstruction Project"

Safe and reliable airports are vital for remote Alaskan communities, where the airport may serve as the only reliable transportation link to the outside world. This is the case at Bethel, which holds Alaska's third busiest airport in terms of daily operations. DOT&PF is preparing to reconstruct and upgrade the main runway and taxiways at Bethel to support heavier aircraft, reduce maintenance, and meet modern design standards. As part of this project, new geotechnical explorations and falling weight deflectometer testing were performed to characterize the existing materials below the pavement surfaces. Pavement structural section design analysis was then carried out to determine what reconstruction or rehabilitation interventions would be required for the pavement structural section to meet the design criteria. This presentation will outline the geotechnical investigation and pavement analysis effort for the Bethel Main Runway Reconstruction Project. The presentation will highlight various methods used to establish the geotechnical properties of the existing pavement structural section materials. The presentation will also include a discussion regarding cement-treated soil base, foamed asphalt stabilized base course, and paving fabric test sections planned for installation as part of the project.

Brian Mullen, P.E.

Brian Mullen is a Geotechnical Engineer with R&M Consultants, Inc. in Anchorage. Brian has been providing geotechnical engineering services for projects throughout Alaska since 2009. He is routinely responsible for planning field explorations and laboratory testing, and performing engineering analyses for foundation design, deep ground improvement, pavement design, seismic hazard assessment, slope and settlement stability, and effects of seasonal frost or permafrost. He has served as the Lead Geotechnical Engineer for a variety of civil construction projects, including several large scale airport projects. Brian holds a Bachelor's in Geological Engineering from Missouri University of Science and Technology, where he is currently pursuing a Master's in Geotechnics.

When:	Tuesday February 15, 2022 at Noon, 12:00 – 1:00 pm
Where:	Online - MS Teams Event
Cost:	Free
Lunch:	N/A

Microsoft Teams meeting

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