



**UAA College of Engineering**  
UNIVERSITY of ALASKA ANCHORAGE



UAA Professional Development Seminar Series

**Electric Vehicles and the Future of the  
Highway Trust Fund**

Presented by: David Gamez, PE, PTOE  
Lounsbury & Associates, Inc.

**ABSTRACT:** Electric Vehicle (EV) technology is quickly reaching parity with long-standing gas and diesel-powered technology and offers drivers a more fuel efficient and environmentally friendly alternative for transportation. Vehicle manufacturers have already begun bolstering their EV options and are making pledges to phase out their fossil fuel fleets over the next decade. This is an exciting and transformative time for transportation, however, long term planning to replace motor fuel taxes as a user fee must be considered. Most of the funding for roadway capital improvements and operation & maintenance comes from taxes assessed at the fuel pump, which are administered to states through the Highway Trust Fund and State General Funds. With drivers increasingly purchasing EV's as their next vehicle purchase, the returns from motor fuel taxes are increasingly diminished.

**BIO:** David is a Transportation Engineer and Project Manager at Lounsbury & Associates in Anchorage. He is the past-president of the ASCE Alaska Section and vice-president of the Alaska Professional Design Council. In 2018 he served as the chair of the ITE Committee on Autonomous Vehicles. Since 2016 he has been an active member on the ASCE Alaska Infrastructure Report Card Committee was a co-author for the transit and roads reports, released in February 2022. Advocating for Alaska's infrastructure is one of his key areas of focus, and insolvency of the Highway Trust Fund and diminishing returns on motor fuel taxes are high priority issues.

Friday, November 11, 2022

11:45 am - 12:45 pm

Online Via [YouTube Live](#)