



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE

UAA Professional Development Seminar Series

Virtual Tour of the Central Region Traffic Signal System

Presented by Val Rader, DOT

The talk will include a Virtual Tour of the Central Region Traffic Signal System with observations on: making vehicles stop, signal timing for design and operations, understanding the Yellow and All Red intervals, when to use LOS, progression timing for minimum delay, fewest stops, pedestrians, and the value of life; and timely Connected and Automated Vehicle (CAV) controversies such as: future volumes and mode choices with CAV abundance and the impacts of COVID-19, Impacts to mass transit and land use, the role of demand modeling in project development and the impacts of CAV, and roles of transportation agencies in CAV development.

Mr. Val Rader was born in the Territory of Alaska and graduated from Dimond High. He received a BA Econ from Yale in 1975, a BSCE from UAF in 1980, and MS Eng Mgmt and M Civil Engineering from UAA in 1985. He has been a Professional Engineer in Alaska since 1985 and in California since 1990. He is a member of ITE and in 1999 he passed the first PTOE exam offered by the ITE. He is a Life Member and has served as Anchorage Branch President and Alaska Section Board member of ASCE. Mr. Rader served as newsletter editor and President of the Alaska Professional Design Council. He has 15 years of work experience in the public sector, including Municipal Traffic Engineer, teaching Traffic Engineering at UAF, and currently, Central Region ITS Engineer, and 30 years of experience in the private sector, including varied engineering projects all over Alaska, real estate development, and VP of Product Development and acting CTO for a dotcom in Boston during the boom of the late 90's. He even tried to be retired for several years, but he failed at that. Until Covid-19, he rode his bike to work at the DOT almost every workday since 2009. His primary hobbies are music and restoring vintage electronics.

Friday, September 11, 2020

11:45 am-12:45 pm

Distance Delivery via [YouTube Live](#)