UTC Project Information	
Project Title	A Connected Vehicle-Based Adaptive Vehicle Routing Algorithm
University	University of Washington
Principal Investigator	Yinhai Wang
PI Contact Information	yinhai@uw.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans $36,000 Norwegian Public Roads Administration $36,000
Total Project Cost	$72,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	September 1, 2018-August 31, 2020
Brief Description of Research Project	The goal of this project is to develop an adaptive routing algorithm based on data collected from Connected Vehicle Systems (CVS). Specifically, two types of data sources, infrastructure (including intersections and road sections in the network) and connected vehicles running in the network are utilized in the study. It is anticipated that the system travel cost will be significantly reduced through enabling connected vehicles to dynamically change route choices under prevailing traffic conditions. The project objective aligns well with the PacTrans theme of providing data-driven transportation solutions and improving system-wide efficiency. The research outcomes will provide important insights as well as an applicable routing methodology to support integration and optimization of the transportation system.

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	
Impacts/Benefits of Implementation (actual, or anticipated)	
Web Links • Reports • Project Website	