UTC Project Information	
Project Title	Developing Better Curb Management Strategies through Understanding Commercial Vehicle Driver Parking Behavior in a Simulated Environment
University	University of Washington
Principal Investigator	Anne Goodchild
PI Contact Information	annegood@uw.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans $180,000 Oregon State University $100,000 University of Washington $80,000
Total Project Cost	$360,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	March 16, 2021-March 15, 2022
Brief Description of Research Project	This research will use a quarter-cab truck simulator to design a human-in-the-loop simulation experiment to investigate the behavior of commercial vehicle drivers under various parking and delivery situations. The research findings will improve our understanding of the commercial vehicle driver parking behavior and interactions between commercial vehicles and other road users in an urban environment. This study will focus on an 8-block study area in Seattle, Washington, the city with the largest population density in the PacTrans region. The rapid expansion of e-commerce, accelerated even more by the impacts of COVID-19, has flooded many American cities with delivery trucks. The latest travel survey from the Puget Sound region in Washington State reported that 15-34% of people do some level of online shopping activity, and yet according to a 2018 travel activity report for Washington, trucks already constitute 34-44% of all vehicular traffic in urban areas. As e-commerce and urban deliveries spike, there is an increasing demand for curbside loading/unloading space.

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	