

<b>UTC Project Information</b>	
Project Title	Fusion of Airborne and Terrestrial Sensed Data for Real Time Monitoring of Traffic Networks
University	University of Idaho
Principal Investigator	Someh Sorour
PI Contact Information	samehsorour@uidaho.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans \$40,000 University of Idaho \$40,000
Total Project Cost	\$80,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	September 1, 2018-August 31, 2020
Brief Description of Research Project	<p>The project addresses several emerging technologies that offer the promise of transforming the way in which transportation agencies plan, design, construct, operate, and maintain their highway networks: advanced imagery, LiDAR scanning, unmanned aerial systems (UAS), and data fusion. The proposed data fusion, using both airborne and terrestrial sensors, can be used to obtain low-cost, highly accurate, and spatially dense 3D real-time information about traffic networks. The extended transportation networks in the Pacific Northwest makes these technologies of a greater value for the states of Alaska, Idaho, Oregon, and Washington. In Idaho, the University of Idaho, two Idaho industry partners and Idaho National Laboratory (INL) are joining forces to advance the state's UAS and data fusion capabilities. The UI PIs are currently conducting research on data fusion of recognized objects from multiple terrestrial sensors to improve the recognition/positioning accuracy and enrich the perception of autonomous vehicles.</p>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, or anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none"><li>• Reports</li><li>• Project Website</li></ul>	