

UTC Project Information	
Project Title	Field Evaluation of V2I Connected Vehicle Deployment in Ada County, Idaho - Validating Communication Architecture and Control Technology Readiness
University	University of Idaho
Principal Investigator	Ahmed Abdel Rahim
PI Contact Information	ahmed@uidaho.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans \$60,000 University of Idaho \$60,000
Total Project Cost	\$120,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	August 16, 2017 – August 15, 2019
Brief Description of Research Project	<p>The primary objective of the project is to conduct a field evaluation of a V2I connected vehicle deployment in Ada County. This objective help accelerates the deployment of V2I technologies at intersections throughout the northwest and the nation.</p> <p>The main focus of the project will be on validating the SDRC data exchange between roadside units (RSUs), on-board units (OBUs), and traffic controllers. The project will demonstrate the potential benefits of V2I technology at signalized intersections and identify potential technological and institutional obstacles that might face the deployment of such systems.</p>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>The outcome of the project is a process in which transportation agencies can assess the quality of OBU/RSU communication and data exchange independent of the vendor supplied too. This will help agencies compare the communication reliability of DSRC equipment from different vendors prior to full field implementation.</p>
<p>Impacts/Benefits of Implementation (actual, or anticipated)</p>	<p>Independent assessment of V2I communication quality and reliability in connected vehicle implementation.</p>
<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project Website	