

<b>UTC Project Information</b>	
Project Title	IoT Platforms for Smart City Implementation in Rural and Urban Communities: A Comparative Review
University	University of Idaho
Principal Investigator	Rick Sheldon
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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	March 16, 2021-March 15, 2022
Brief Description of Research Project	<p>Transportation agencies in urban, sub-urban, and rural communities have plans or are amid developing initial Smart City projects. The major component of these projects comprises the Internet of Things (IoT). IoT enables collecting data flows and exchange to enable the analytics needed to manage and achieve the end goals of any smart city project.</p> <p>Many agencies find that IoT Platform (IP) selection is very challenging compounded by limited technical resources and are struggling to implement vital concepts aimed at enabling more effective and sustainable mobility. Representative IP solutions have proprietary “vendor-specific” features that lock agencies into specific vendors’ solutions. IPs developed by smaller vendors, while they come with strong customer support and a high degree of openness, face many challenges in terms of interoperability and scalability.</p> <p>The objective here is a comprehensive review to establish an improved understanding among transportation agency policy makers and professionals concerning IP operational characteristics focused strengths, weaknesses, and future directions.</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>	