

**Project Information Form**

Project Title:	Opportunities for Shared-Use Mobility Services in Rural Disadvantaged Communities in California's San Joaquin Valley: Existing Conditions and Conceptual Program Development
University:	University of California, Davis
Principal Investigator:	Caroline Rodier
PI Contact Information:	Email: cjrodier@ucdavis.edu
Funding Source(s) and Amounts Provided (by each agency or organization):	California Department of Transportation (Caltrans) - \$500,000
Total Project Cost:	\$500,000
Agency ID or Contract Number:	Caltrans Sustainable Transportation Planning Grant, Merced County Association of Governments Subcontract 5304 UCD-CT-200
Start and End Dates:	April 1, 2016 to September 2017
Brief Description of Research Project:	<p>Shared-use mobility services largely serve major metropolitan areas. However, increasingly officials, who represent rural communities, want to know whether these types of services may be able to provide more cost-effective access to rural residents than is currently possible by fixed-route and dial-a-ride transit services. Many of these officials must contend with low farebox recovery rates that threaten transit funding and subsequent cutbacks in transit services that are often strongly opposed by constituents. In this study, the cost-effectiveness of existing inter-city transit service in rural disadvantaged communities in the San Joaquin Valley (California) is compared to hypothetical ridesharing and carsharing services. The results show significant potential to reduce transit costs and reinvest those cost saving to expand shared mobility services.</p> <p>The cost-effectiveness analysis is supplemented with reviews of existing shared-use mobility pilots and consultations with experts in shared mobility and local transportation planning. The result is two shared-use mobility pilot concepts in seven communities in four counties in the San Joaquin Valley region:</p> <ol style="list-style-type: none"> <li>1. Carsharing and ridesourcing in affordable housing complexes in the Dinuba, Cutler, and Orosi community of Tulare County and the Lamont-Arvin and Wasco communities of Kern County.</li> <li>2. A technology platform that enables improved efficiency for multiple independently operated demand responsive transportation services in jurisdictions in northeast Stanislaus and southeast San Joaquin counties.</li> </ol>

<p>Describe Implementation of Research Outcomes (or why not implemented):</p> <p>Place any photos here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated):</p>	
<p>Web Links</p> <ul style="list-style-type: none"> <li>• Reports</li> <li>• Project website</li> </ul>	<p><a href="https://ncst.ucdavis.edu/project/opportunities-for-shared-use-mobility-services-in-rural-disadvantaged-communities/">https://ncst.ucdavis.edu/project/opportunities-for-shared-use-mobility-services-in-rural-disadvantaged-communities/</a></p>