

**Request for Research Funding for FY 2020-2021**

<b>Requesting Office</b>	Planning - Forecasting and Trends Office	<b>Priority</b>	3 of 8
<b>Proposed Title</b>	Methodology For Data Sharing and Analysis		
<b>Justification</b>	<p>The Florida Highway Safety and Motor Vehicles (FLHSMV) collects a vast quantity of data each year that is not fully utilized for transportation planning and performance measurement. FLHSMV collects long and short form traffic crash reports, vehicle registrations, driver licenses, and citation data. There is very limited access to this data for analysis and use. Past efforts have been quite fruitless in obtaining this data, in any form.</p> <p>The Florida Department of Transportation (FDOT) also collects roadway and mobility data useful for transportation planning, operations and systems performance. In a recent meeting with FLHSMV, this data was requested for internal planning purposes and for law enforcement needs of the Florida Highway Patrol.</p> <p>This research project will develop a method to share data between transportation agencies (specifically as FLHSMV, FDOT, Department of Health and others). The intent is to develop a methodology and mechanism to share appropriately redacted data suitable for analysis between agencies. With access to transportation-related databases, research and analysis will be more readily available for traffic safety, transportation planning, FDOT program offices, other transportation safety coalitions, and law enforcement.</p>		
<b>Impact</b>	<p>There is great potential in having these databases available for analysis to support diverse areas of transportation planning and engineering. Some potential uses are:</p> <ul style="list-style-type: none"> <li>• Safety planning and programming,</li> <li>• Electric vehicle (EV) registration data trends and saturation,</li> <li>• Automated auto/truck trends and saturation,</li> <li>• Motor vehicle emissions and environmental impacts,</li> <li>• EV vehicle miles traveled and gas tax revenues,</li> <li>• EV incident management, and</li> <li>• EV impacts on emergency evacuation and management.</li> </ul> <p>Without access to this data and the ability for transportation planners and researchers to analyze this data, we will continue to develop programs, projects and safety countermeasures based on incomplete or unavailable data or anecdotal assumptions. The results of this project will provide a wealth of data never before available to the transportation planning, engineering, and law enforcement community</p>		
<b>Affected Offices</b>	Brian Watts, Forecasting and Trends Office, will be the project manager. Melissa Gonzalez (State Safety Office), Ed Hutchinson (Transportation Data and Analytics), Larry Gowan (Florida Department of Highway Safety and Motor Vehicles) and a representative from the Department of Health will be involved in the scoping or conduct of the research or will be affected by implementation of the results.		
<b>Existing Work</b>	A literature search was performed with no relevant work found.		
<b>Keywords Used In Existing Work Search</b> <b>(Cannot leave blank)</b>	Data sharing, cloud data, vehicle registrations, safety, data, electric vehicles		
<b>Related Contracts</b> <b>(Give contract numbers)</b>			
<b>Funding Request</b>	\$125,000	<b>Anticipated Duration</b>	2 years
<b>Project Manager</b>	Brian Watts	<b>Contracting Method</b>	Anticipated procurement method RFP to all registered vendors

<b>Urgency</b>	Score 1	Comments* Without access to this data and the ability for transportation planners and researchers to analyze this data, we will continue to develop programs, projects and safety countermeasures based on incomplete or unavailable data. The results of this project will provide a wealth of information never before available to the transportation planning, engineering, and law enforcement community.
<b>Implementability</b>	Score 1.5	Comments* Successful sharing of these databases between agencies is huge in the transportation planning and analysis world. It does require FLHSMV to redact sensitive and confidential data that likely requires their senior management and legal decisions and actions. Historically FLHSMV has be quite unresponsive to ad hoc data requests. However, with an agreed process and sharing protocol, there should be little barriers to sharing these data on a routine basis.
<p><b>Project Benefits (Succinct, complete explanation)</b></p> <p>Successful sharing of these databases between agencies is huge in the transportation planning and analysis world. FLHSMV has 4 of 6 critical databases needed for transportation research, analysis and planning. This windfall of accessible data will create the capability for richer data support for all programs related to safety, Automated, Connected, Electric, and Shared technology innovations, environmental management planning and project, emergency management, incident response, law enforcement and countless other programs.</p>		
<b>Project Benefits</b> (Select all that apply and explain)	<b>Quantifiable Benefits</b> (units, dollars, etc...if applicable)	<b>Methodology or Data Sources Used to Determine Quantifiable Benefits. If not applicable, please give justification of project benefits</b>
<input type="radio"/> Materials Enhancement		
<input type="radio"/> Materials Savings		
<input type="radio"/> Time Savings		Currently transportation planners cannot analyze vehicle registration data, traffic citation data, licensing data; and conversely, other cannot access FDOT and DOH databases. State agencies and other entities have no access to this data for meaningful and timely analysis. If, and it's a big timely if, one managed to have access to any of the targeted databases it would not be for more than a single year and would include just one of the databases. Successfully implemented, this would be benchmark breakthrough for transportation data and analysis capability.
<input type="radio"/> Lives Saved/Injuries Prevented		
<input type="radio"/> Other (Explain)		

\*Comments should explain and support urgency, financial benefit, and implementability scores