

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Ohio Department of Transportation

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5 (453)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input checked="" type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: Automated Vehicle Pooled Fund Study		
Name of Project Manager(s): Michelle Lucas Nick Hegemier	Phone Number: 614-644-8135 614-387-4099	E-Mail Michelle.lucas@dot.ohio.gov nick.hegemier@dot.ohio.gov
Lead Agency Project ID: PID 111455	Other Project ID (i.e., contract #): SJN 136131	Project Start Date: July 2020
Original Project End Date: June 2025	Current Project End Date: July 2026	Number of Extensions:

Project schedule status:

On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$2,000,000.00	\$612,417.40	62%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
	\$49,976.80	62%

Project Description:

Background:

Automated Vehicles (AV) are part of the disruptive technologies within our transportation system, and they show great potential for reducing crashes and fatalities. There are dozens of pilots and demonstrations nationwide and we expect this to be an increasing part of our transportation future.

States have a significant role in the development of AV policy, infrastructure and operations. There are common questions and needs that states need to identify and collectively they can leverage funding and collaborate to research priority items and accelerate progress.

With this background, the pooled fund study entitled “Automated Vehicle Research Program” is proposed to provide a means to conduct the research necessary for State DOTs to play their appropriate role in advancing transportation safety using Automated Vehicles.

The concept of this pooled fund will be to align the needs of the AV Industry with the abilities of the state DOTs to assist with those needs. It is recognized that freight may be one of the initial drivers of some of these conversations, as logistics companies are a very small market and thus may be easier to implement and provide lessons learned to the other markets.

Objectives:

Through this pooled fund, the Ohio Department of Transportation (ODOT) will work with federal and state departments of transportation to establish multiple projects to research vehicle-roadway interaction including data failures and mitigation methods, identify and define standards, and encourage interoperability across state borders.

Scope of Work:

The pooled fund study will focus on the following:

- Independently research and address issues that will affect the deployment of Automated Vehicle systems by state transportation agencies
- Support AASHTO’s Strategic and Deployment Plans
- Support USDOT’s Automated Vehicle Policy

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

1. Pooled fund study overall
 - a. Monthly meetings (April 15, May 20, June 23)
 - b. Third project is active and under agreement as of June 10, 2024. **Guidance for Sustainable Integration of Automated Transportation Technologies** to focus on researching best practices for successfully integrating and sustaining AV technologies into the transportation infrastructure. The goal of this project is to determine what infrastructure modifications should be performed to adapt to the integration of AV transportation technologies.

c. Second project developed a Stakeholder engagement plan and website to promote collaboration between academic, industry and government partners in the area of AV development and deployment. This is still supported throughout the life of the AV PFS.

d. The fourth project is active and under agreement as of February 13, 2025, Program Management for the Automated Vehicle Pooled Fund. This project will provide program support for the successful facilitation of the AV PFS and associated activities, in order to achieve the milestones identified in the Strategic Roadmap.

e. RFPs were developed for the fifth (Defining Safety of AVs) and sixth (Remote Operations of AVs) projects. These are under review by the AV PFS members and ODOT as the RFP advertising agency.

Anticipated work next quarter:

1. Pooled fund study overall

- a. Monthly meetings will be held
- b. Third Project Active 6/10/24 thru 2/10/26
- c. Fourth Project Active 2/13/25 through 2/10/26

2. Upcoming projects

- a. Defining Safety of AVs RFP. Final draft under review and will be posted in Q3.
- b. Reviewing Remote Operations of AVs. Initial draft to be developed and will be posted in Q3.

Significant Results:

IOO Strategic Roadmap (Project 1) is being utilized to develop concepts for future RFPs.

AV Industry Forum developed as a result of Project 2 currently has 104 active users and it is planned to incorporate the use of the forum into future projects.

Third project is under agreement.

Fourth project is under agreement.

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

None this quarter

Potential Implementation:

We have implemented the use of the Roadmap to develop the concept for the 3rd RFP, **Guidance for Sustainable Integration of Automated Transportation Technologies**, as it was part of the *Interstate Freight and Multi-modal Harmonization* Pillar. The upcoming Defining Safety of AVs RFP fits under the **Partnerships** pillar and the upcoming Remote Operations of AVs RFP fits under the **Policies** pillar. Additional Pillars / Programs identified within the Roadmap are being investigated for development for future RFPs.