

# TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: December 31, 2024

Lead Agency (FHWA or State DOT): Indiana DOT

## 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.*

<b>Transportation Pooled Fund Program Project #</b> <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i>  <u><b>TPF 5-387</b></u>		<b>Transportation Pooled Fund Program - Report Period:</b> <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)	
<b>Project Title:</b> <b>Development of an Integrated Unmanned Aerial Systems (UAS) Validation Center</b>			
<b>Name of Project Manager(s):</b> Tommy E. Nantung		<b>Phone Number:</b> (765) 463-1521 ext. 248	
		<b>E-Mail</b> <a href="mailto:tnantung@indot.in.gov">tnantung@indot.in.gov</a>	
<b>Lead Agency Project ID:</b>		<b>Other Project ID (i.e., contract #):</b>	
		<b>Project Start Date:</b> 9/1/2018	
<b>Original Project End Date:</b> 8/31/2022		<b>Current Project End Date:</b> 2/28/2025	
		<b>Number of Extensions:</b> TWO	

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**
<b>\$700,000</b>	<b>\$675,662</b>	<b>100%</b>

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date**
<b>\$5,210</b>	<b>1%</b>	<b>99%</b>

\*\*Since end date has been extended, project percentages have been updated (estimates)

**Project Description:**

This study proposes to develop the basic standards, protocols, and testing requirements that a given UAS must meet and demonstrate for a particular application.

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

- Final comments on the Draft report have been received and addressed
- The final report is now with the Purdue Editors for final review

**Anticipated work next quarter:**

- Disseminate the Final Project Report to project partners via the Purdue Libraries

**Significant Results:**

**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).**

**Potential Implementation:**

The results can be implemented by stated DOTs to conduct performance testing of UAS for their own staff and for consultants with whom they contract with. This is the first step in the US in developing objective performance testing for UAS and it is hoped the industry will embrace these provisions.