

**TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT**

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

INSTRUCTIONS:

Lead Agency contacts 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 # TPF-5(481)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input checked="" type="checkbox"/> Quarter 4 (October 1 – December 31)	
TPF Study Number and Title: TPF-5(481) In-Service Performance Evaluation (ISPE) of Roadway Safety Features		
Lead Agency Contact: Bill Stone	Lead Agency Phone Number: 602-712-3135	Lead Agency E-Mail: wstone@azdot.gov
Lead Agency Project ID: SPR-778	Other Project ID (i.e., contract #): CTR067704	Project Start Date: 7/1/2022
Original Project Start Date: 10/1/2021	Original Project End Date: 9/30/2026	If Extension has been requested, updated project End Date: N/A

Project schedule status:

<input type="checkbox"/> On schedule	<input checked="" type="checkbox"/> On revised schedule	<input type="checkbox"/> Ahead of schedule	<input type="checkbox"/> Behind schedule
--------------------------------------	---	--	--

Overall Project Statistics:

Total Project Budget	Total Funds Expended This Quarter	Percentage of Work Completed to Date
\$720,000	Click or tap here to enter text.	Click or tap here to enter text.

Project Description:

It is a long-standing policy of the Federal Highway Administration that National Highway System roadside safety hardware such as longitudinal barriers, sign supports, guardrail terminals, and work zone devices -- demonstrate crashworthiness. Currently, state, and local transportation agencies assess performance according to the crash test and evaluation methods prescribed in the AASHTO Manual for Assessing Safety Hardware (MASH).

This pooled fund study will give states the opportunity to collaborate by sharing data and experiences in assessing the performance of in-service roadside safety hardware.

The primary objective of this pooled fund study is to evaluate the performance of roadside safety hardware in the field through inter-state collaboration by using standardized data collection and data analysis with a uniform interpretation of results contained in the guidance document developed under the NCHRP 22-33 project, Multi-State In-Service Performance Evaluations of Roadside Safety Hardware. The second objective is to provide a forum for states to share ISPE data, experiences, practices, information, and resources.

Progress this Quarter:

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

The consultant contacted the states for an upcoming 1-½ day workshop to be held in Phoenix. The first day will be a training session on the national guidance for ISPE. The second ½ day will be to begin which hardware will be studied/evaluated for the project. The workshop will be conducted in December 2023 or January 2024, depending on the availability of one member from each state to attend the workshop. The deadline was November 9th for the states to provide their availability to travel and participate in the workshop. Some of the participating states had challenges to receive travel approval for the proposed dates. ADOT as lead agency worked with the consultant to resolve the issue and keep the project on schedule.

The consultant has been working with the participating states to outline the data available for conducting ISPEs. The available data was mapped from each state.

The decision was to conduct the workshop virtually and reduce it to the ½ day for the determine which hardware will be studied evaluated for Year 1 of the project. That workshop was conducted on December 19, 2023. The workshop included some background on the methodology needed to evaluate ISPEs. Also discussed with the available data from each state. A poll was conducted during the workshop and the ISPEs to be evaluated were determined.

Anticipated work next quarter:

Task 3: Year 1 work plan is to be developed. The objective of Task 3 is to update and finalize the year 1 work plan for the following tasks:

- Task 5-Conduct ISPEs
- Task 6-Data Delivery for Routine ISPEs
- Task 7-Conduct Multi-State ISPEs
- Task 8-Proposed Work Plan for Extension of Project Beyond Year 1
- Task 9-Final Report – Year 1
- Task 10-Annual Workshop and Final Presentation for Year 1

Work will begin on Task 4, which is the Web Based Repository.

Task 5 (Conduct ISPEs) will begin conduct the Routine ISPEs during this quarter.

Significant Results:

Circumstance affecting project or budget. (Please describe any challenges encountered or

No issues have been identified or encountered to date.

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: