

Charter for

Demonstration to Advance New Pavement Technologies Pooled Fund TPF-5(478)

Purpose

Since 2013, FHWA's Accelerated Implementation and Deployment of Pavement Technologies (AIDPT) Program, in partnership with State Departments of Transportation (DOTs), academia and industry, has identified asphalt and concrete paving advancements, and implemented effective strategies for rapid deployment of new and promising technologies. Through the leveraging of Federal investments with State DOT partnerships the Demonstration to Advance New Pavement Technologies Pooled Fund Study will advance the AIDPT Program through demonstration projects that showcase the deployment of innovative pavement technologies, products and processes of importance to FHWA and State DOT partners. The goals of the AIDPT Program include:

- The deployment of new, cost-effective designs, materials, recycled materials, and practices to extend the pavement performance and to improve user satisfaction.
- The reduction of initial cost and lifecycle costs of pavements, including the costs of new construction, replacement, maintenance, and rehabilitation.
- The deployment of accelerated construction techniques to increase safety and reduce construction time and traffic disruption and congestion.
- The deployment of engineering design criteria and specifications for new and efficient practices, products, and materials for use in highway pavements.
- The deployment of new nondestructive and real-time pavement evaluation technologies and construction techniques.
- Effective technology transfer and information dissemination to accelerate implementation of new technologies and to improve life, performance, cost effectiveness, safety, and user satisfaction.

Scope

TPF-5(478) will continue to achieve the goals of the AIDPT Program by serving as a mechanism to deploy and showcase pavement technologies and resources.

Topics include, but are not limited to:

- Development and implementation of Balanced Mix Design (BMD) for asphalt and performance engineered mixture (PEM) for concrete programs.
- Implementation of strategic pavement preservation programs.
- Integration of sustainability and resiliency into decision-making process, technical frameworks, education efforts, and stakeholder engagement.

Other topics may be included based on participating State DOT proposals.

Governance

This Charter provides rules governing the membership, voting privileges, management, policies and procedures, fiscal management, and program management of TPF-5(478).

Membership

Membership consists of the participating State DOTs and the FHWA. Participation or interaction is anticipated to include, or be coordinated with, the appropriate committees of organizations such as AASHTO, TRB, etc.

Technical Advisory Committee (TAC): A TAC led by the FHWA Pooled Fund Lead will develop and oversee the Study work program. The TAC will consist of representatives from the participating State DOTs and the FHWA. Each TAC member and the FHWA will have one vote. The members of the TAC are provided below.

Non-voting TAC members: This group is composed of industry, academia, and others who are interested in activities related to the Pooled Fund Study. This group will not have voting rights.

Some activities of the pooled fund may only be open to participating members and not be open to the non-voting TAC members. The participation of both groups in proposing projects/activities, addressing technical items, and providing guidance and insight will be critical to the success of the Study.

It is expected there will be at least one meeting annually that includes the TAC and non-voting TAC members of the Study.

Demonstration to Advance New Pavement Technologies Pool Fund TPF-5(478) TAC Members			
Name	Agency	Contact Number	Email Address
Zane Hartzog	Alabama DOT		Hartzogz@dot.state.al.us
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Travis Patton	Texas DOT	512-416-4727	Travis.Patton@txdot.gov
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Project Selection

The project summary form (see appendix) will be completed and submitted by participating agencies with sufficient information. FHWA will review the project summary and as appropriate coordinate with the State DOT to refine and finalize the project to be undertaken. It is expected that project summaries include the following information:

- Project Title
- Project Scope (20 words or less description)
- State DOT
- State DOT Contact(s)
- Other Stakeholders Involved
- Technical Area(s)
- Project Background
- Project Objectives
- Project Deliverables/Outcomes
- Schedule
- Cost
- Support Requested from Pooled Fund

The summaries are intended to clearly state the purpose and products of the proposed projects, and to enable FHWA to evaluate and provide feedback to improve the likelihood of success and the feasibility of completing the project within available resources.

Project Execution

TAC subgroups may be developed to support project implementation for a specific topic area. After a project is presented to the FHWA pooled fund lead for execution, the TAC subgroup focused on the topic area will be tasked to assist in further development of projects and provide high-level project oversight. For example, if a project requires a contract, then the TAC subgroup may assist the development of a request for proposals and/or a statement of work. As appropriate, the TAC subgroup may participate in proposal review and contract selection. If determined that the pooled fund will progress a contract in support of a project, FHWA as the lead agency remains the lead for those procurement and contract actions. The TAC subgroup will be apprised of project progress. Should substantial revisions to a project or contract be required, the Project Committee will be so advised. The TAC subgroup may also participate in review of contract deliverables and review and approve any deliverables to be disseminated outside the TAC.

Additionally, once a State DOT identifies a project and receives pooled fund support, they will provide quarterly project updates via the [reporting form](#). The FHWA pooled fund lead will send quarterly email reminders when the reporting form needs to be completed. This information will be used by the FHWA pooled fund lead to develop the pooled fund quarterly report that is posted on the [website](#).

To support implementation efforts, FHWA has obtained contract services available to help coordinate and facilitate peer exchanges and workshops, create project videos and two-page project summaries, and develop project reports. State DOT participants should contact the FHWA pooled fund lead to request these services.

Voting Privileges

Each participating agency will have one vote. Votes may be taken to demonstrate support for a project to proceed, make decisions regarding changes to the Charter, and for any other decision that cannot be made by consensus. Votes are decided by two-thirds majority of the assembled participants. A quorum of three-fourths of the total member is required for voting or census decisions.

Funding

Pooled funding will be derived from contributions received from participating agencies. For Members that utilize pooled State Planning and Research funds, uniform treatment of funding is assured under existing FHWA mechanisms. A SPR match waiver request was approved on 10/5/2020 for this project.

Each year FHWA will review pooled fund study funding to determine if additional funding can be made available to participating members. The FHWA pooled fund lead will solicit requests for additional projects from POCs in January. FHWA will distribute the additional funding requested; however, if the additional funding requested exceeds the amount of available funding, the TAC will vote to determine projects that will receive additional funding.

Budget and Work Plans

The TAC will approve the budget and project work plans for any technical assistance or technology transfer contract services obtaining by FHWA to support this pooled fund study.

Program Administration

As part of its contribution to the Study, the FHWA Office of Infrastructure's Office of Preconstruction, Construction, Pavements will serve as Program Administrator under the direction of the members.

Contract Administration

The FHWA pooled fund lead with the assistance of the FHWA technical leads will distribute RFPs, prepare contract documents, and perform other functions related to contract administration and management. Under direction of the members, the FHWA pooled fund lead will ensure that contracts, schedules, work plans, and project descriptions are followed. The FHWA pooled fund lead will be responsible for day-to-day quality control and evaluation, and authorization of progress payments. The FHWA pooled fund lead is responsible for providing contract progress reports to the participants or their delegated project committee and, at least quarterly, and will respond to participant comments or inquiries regarding progress reports within 30 days of receipt.