TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Alabama 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.

Transportation Pooled Fund Program Project # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(465)		**Transportation Pooled Fund Program - Report Period:** ☐ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☑ Quarter 3 (July 1 – September 30) ☐ Quarter 4 (October 1 – December 31)
Project Title: Consortium for Asphalt Pavement Research and Implementation (CAPRI)		
Name of Project Manager(s): Randy West	**Phone Number:** 334-844-6244	**E-Mail** westran@aububrn.edu
Lead Agency Project ID:	**Other Project ID (i.e., contract #):**	**Project Start Date:** 1/1/2021
Original Project End Date: 12/31/2026	**Current Project End Date:** 12/31/2026	**Number of Extensions:** 0

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
$722,000 for 2021 & 2022	$36,605.65	50%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$8,846.21 /	$8,846.21	35%

Project Description:

CAPRI operates as a voluntary consortium of flexible pavement stakeholders open to all state, local, and federal highway agencies, industry associations, individual companies, academic institutions and research organizations. This consortium will identify and address national priority research and implementation needs for asphalt pavements that state DOTs face today and will foster the development of new technologies and practices that will help design and build longer-lasting and more cost-effective asphalt pavements that achieve a higher level of sustainability, safety and user-satisfaction for the public. This pooled fund serves as the funding mechanism for highway agencies to participate in CAPRI. Agencies may contribute additional funds, beyond the base contribution, for other specific research, training, and implementation activities that meet their state's needs.

The goals of CAPRI are to: (1) provide technical guidance on current and evolving specifications for asphalt materials, (2) develop asphalt pavement research needs, (3) conduct small-scale studies to address knowledge gaps or explore new topics, and (4) foster the implementation of practical research findings to help improve the performance, sustainability, value, and safety of asphalt pavements.

The expected activities and deliverables of CAPRI are: (1) organize semi-annual meetings to share presentations on research of national significance, discussions on implementation and technology transfer, and activities organized by subcommittees, (2) identify issues with current asphalt-related standards and share potential solutions to help move standards forward to ultimately improve pavement performance, (3) identify short-term and long-term research needs and strategically prioritize the needs so the most urgent and impactful needs are addressed first, (4) develop research need statements (RNSs), identify the appropriate source(s) of funding for each project, and organize RNSs on a web-based National Asphalt Research Roadmap, (5) select and prioritize small-scale, exploratory, kick-off studies that can be funded directly by CAPRI to address gaps in the path to implementation, gather additional information to assess the magnitude of perceived problems, and/or explore new technologies (6) assist in the deployment of research findings by selecting and

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

Nebraska DOT and North Dakota DOT joined the Consortium this quarter.

A webinar on Environmental Product Declarations for the asphalt paving industry was presented to CAPRI members by NAPA's Joseph Shacat on August 25.

The initial research database requested by the Research Roadmap (RR) Subcommittee was completed by NCAT and presented to the Subcommittee. The initial database was limited to four topics: (1) improving asphalt density, (2) BMD implementation, (3) longitudinal joint construction, and (4) tack coats. The RR Subcommittee will likely request expanding the database with additional topics.

The CAPRI Website Task Force developed recommendations for the consortium website. The initial web-page was developed according to those recommendations. It will continue to be developed as content is approved by the Executive Committee and the subcommittees.

The Critical Issues Subcommittee distributed a survey to CAPRI members to determine the highest priority short-term and long-term topics for research and implementation.

Planning and preparations were made for the fall CAPRI meeting to be held Oct. 12-13 at Ingevity headquarters in Charleston, SC. The meeting will be a hybrid format to allow for in-person and remote participation.

Anticipated work next quarter:

The fall meeting of CAPRI will be held on October 12-13 at the Ingevity headquarters in Charleston, SC. Discussions are expected to cover short and long term opportunities for the Consortium to improve the performance, sustainability, value, and safety of asphalt pavements.

The subcommittees and task forces will continue work on their respective roles and are expected to initiate work to fill gaps in research of high priority need, advocate for funding for other priority needs in other research funding programs, and support the development of tech transfer for proven technologies.

Significant Results:

NCAT completed the initial phase of the research database and presented it to the Research Roadmap Subcommittee.

A webinar on Environmental Product Declarations for the asphalt paving industry was presented to CAPRI members by NAPA's Joseph Shacat on August 25.

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).

The overall CAPRI budget continues to grow as new organizations join the consortium. More research projects and implementation activities are expected to be initiated after the fall meeting.

Potential Implementation:

No implementation activities have been identified at this time.