



Kay Ivey
Governor

ALABAMA DEPARTMENT OF TRANSPORTATION

Bureau of Research and Development
1409 Coliseum Boulevard, Montgomery, Alabama 36130-3050
Phone: (334) 353-6940 FAX: (334) 353-6950
Internet: <http://www.dot.state.al.us>



John R. Cooper
Transportation Director

December 30, 2025

Dr. Steven Taylor
Senior Vice President for Research and Economic Development
Auburn University
202 Samford Hall
Auburn University, AL 36849

Subject: Transportation Pooled Fund Project TPF-5(561)/ALDOT Research Project 931-952P,
"Consortium for Asphalt Pavement Research and Implementation 2 (CAPRI-2)"
Letter of Direction

Dear Dr. Taylor:

This is your "Letter of Direction" to continue work on the above referenced pooled fund research project. This authorization to continue work is based upon the proposal that was approved by the Alabama Department of Transportation (ALDOT) under General Agreement No. 24-01042 with the National Center for Asphalt Technology. The supplemental agreement was approved by the Governor on July 11, 2024.

The researcher, also referred to as the "Principal Investigator (PI)", should adhere to the proposal and approved budget as his/her guide for conduct to execute the expected project deliverables. This office, with the recommendation of the Technical Advisory Committee (TAC), must approve any deviation(s) to the work plan/scope of work. Any deviation(s) from the proposal/work plan/scope of work must be requested in writing to the ALDOT, Bureau of Research and Development (ATTN.: Ms. Kidada C. Dixon, P.E., State Research and Development Engineer). The TAC, comprised of representatives from FHWA and participating states, was created to monitor the researcher's progress and to provide technical guidance when required or requested. The PI should occasionally meet with the TAC to update them on project progress and accomplishments. The TAC for this pooled fund study is as follows:

Ms. Kidada Dixon (dixonk@dot.state.al.us; (334) 353-6940) - Alabama DOT (*Lead State*)
Mr. Aaron Leavitt (aaron.leavitt@dot.gov; (202) 493-3187) - FHWA
Ms. Kristy Harris (kristy.harris@dot.gov; (334) 274-6361) - FHWA, ALDOT Liaison
Mr. Jacob Walker (sawalker@dot.ga.gov; (404) 608-4848) - Georgia DOT
Mr. Brian Hill (brian.hill@illinois.gov; (217) 558-1628) - Illinois DOT
Mr. Brian Johnson (brian.johnson@iowadot.us; (515) 239-1013) - Iowa DOT
Ms. Michelle Miller (millerm81@michigan.gov; (517) 256-6799) - Michigan DOT
Mr. Alex Middleton (amiddleton@mdot.ms.gov; (601) 359-7648) - Mississippi DOT
Mr. Jason Blomberg (jason.blomberg@modot.mo.gov; (573) 526-4338) - Missouri DOT
Mr. Matthew Needham (maneedham@mt.gov; (406) 444-7260) - Montana DOT
Mr. Tyler Wollmuth (twollmuth@nd.gov; (701) 328-2500) - North Dakota DOT

Ms. Michelle Lucas (michelle.lucas@dot.ohio.gov; (614) 644-8135) – Ohio DOT
Ms. Kimberly Lyons (lyonsKR@scdot.org; (803) 394-4813) – South Carolina DOT
Ms. Gisel Carrasco (gisel.carrasco@txdot.gov; (512) 354-5768) – Texas DOT
Mr. Ian Anderson (ian.anderson@vermont.gov; (802) 272-5568) – Vermont DOT
Ms. Evelyn Bromberg (evelyn.bromberg@dot.wi.gov; (608) 267-7360) – Wisconsin DOT

The project is a transportation pooled fund project and is funded with State Planning and Research (SP&R) funds. It has been assigned ALDOT Research Project 931-952P in our research series, and TPF-5(561) on the Transportation Pooled Fund (TPF) website (<https://www.pooledfund.org/>). **The performance period of this project will begin on January 1, 2026, and will end on December 31, 2030.**

As of December 30, 2025, the amount of funds received from the participating states and FHWA total \$363,000.00. These funds are from the committed pledges (total \$1,073,000.00 made by the participating states and FHWA on the TPF Website. These commitments were made to this project under TPF project number TPF-5(561) and are detailed in the attached document that was extracted from the TPF website. Updates on additional funds received by participating states and FHWA will be documented and updated in a report that will be provided to the PI assigned to this project. The funding report, detailing the funds received and processed by ALDOT as of December 30, 2025, is attached to this letter. Please note very carefully that no work should ever be performed for any partner under this project if their available funding balance is not enough to cover their costs. The Bureau of Research and Development will at any time, at your request, work with you in determining available funding. Your failure to adhere to this requirement could result in disapproval of invoices.

To ensure compliance with the Department and federal guidelines please adhere to the following requirements:

1. Quarterly Progress Reports: These reports summarize the work activities completed during the quarter and outlines the work activities planned for the upcoming quarter. Quarterly progress reports are to be submitted to the Department's Bureau of Research and Development via email to Ms. Kidada Dixon (dixonk@dot.state.al.us) and Mr. Calvin Smith (smithcal@dot.state.al.us) by the 30th of December, March, June and September until the work is completed and regardless of when the project began.
2. Draft Final Report: A draft final report is required to be submitted to Department's Bureau of Research and Development via email to Ms. Kidada Dixon (dixonk@dot.state.al.us) and Mr. Calvin Smith (smithcal@dot.state.al.us) at least 30 days before the completion of the project and must include implementation recommendations.

For pooled fund projects (led by ALDOT only), reports can be made available on the Transportation Pooled Fund Program's website (<https://www.pooledfund.org/>) to ensure and uphold the terms of the Transportation Pooled Fund Program. The terms for product distribution, and report and summary distribution are outlined in the TPF Procedures Manual which can be found on the TPF website or on the following link:
<https://pooledfund.org/StaticDocuments/Reports/TPF%20Financial%20Procedures%20Manual%20March%202023%20-%20New.pdf>.

All publications by NCAT which are derived from the study will contain the following statement applicable in the credit sheet:

“The contents of this report reflect the views of the author(s) who is (are) responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of Alabama Department of Transportation or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation. Comments contained in this paper related to specific testing equipment and materials are not considered an endorsement of any commercial product(s) and/or service(s); no such endorsement is intended or implied.”

3. Final Report: A final report will be requested by the Department’s Bureau of Research and Development after the Draft Final Report is thoroughly reviewed by the TAC and any concerns identified are properly addressed. Distribution of all research project reports and request for publication or documentation is handled through the Department’s Bureau of Research and Development.

Note: The publication statement above applies to the Final Report distribution.

4. Other Project Requests: All requests should be formally submitted by the PI directly to the Department’s Bureau of Research and Development via email to Ms. Kidada Dixon (dixonk@dot.state.al.us) and Mr. Calvin Smith (smithcal@dot.state.al.us). All requests must be submitted in a timely manner to allow sufficient time for review, approval and processing. Requests made less than 30 days before the completion date of the project may be denied.
5. Federal Reporting: A research project template is required for each approved project in ALDOT’s Research Work Program. The template is to be completed by the PI. The template is located on the ALDOT website under the ‘Research Program’ tab or can be accessed at <https://www.dot.state.al.us/programs/ResearchProgram.html>. Note: There are 2 parts to the research template that must be completed and submitted in a timely manner. Part I is due when the proposal is received by ALDOT for approval consideration (ALDOT will send a confirmation email for the proposal), and Part II is due by October 15th for the R&D’s End of the Year Work Report. Instructions for completing both parts are provided on the website listed above.
6. Invoicing Requirements: Invoicing for all on-going ALDOT research projects is required to have at least one charge/invoice for a maximum cycle length of 5-months during the specified performance period of the project. ALDOT is not responsible for delayed invoice payments if the project is not invoiced at least once during a maximum cycle length of 5-months. Adherence to this requirement is essential for maintaining continuous project funding on participating projects. Please note very carefully that no work should ever be performed for any partner on this project if their available funding balance is not enough to cover their costs. The Department’s Bureau of Research and Development will at any time, at your request, work with you in determining available funding. Your failure to adhere to this requirement could result in disapproval of invoices.

To ensure accurate end of the year (i.e., fiscal year) federal reporting that ALDOT must submit in a report, please establish an internal procedure that does not allow the invoice service periods to cross fiscal years. Invoices spanning over two fiscal years must be separated to allow one invoice service period to end on September 30th with any remaining service periods (i.e., November and December months) combined on the subsequent invoice.

If you have any questions concerning this Letter of Direction, please contact me at (334) 353-6940 or via email at dixonk@dot.state.al.us.

Sincerely,



Kidada C. Dixon, P.E.

State Research and Development Engineer & ALDOT Research Advisory Committee Chair

KCD/

Attachments:

Contribution Spreadsheet as of December 30, 2025

TPF Website - Participating Partner(s) (Extracted) Commitment Summary – December 30, 2025

- c: Dr. Randy West, P.E. - National Center for Asphalt Technology (NCAT)
- Ms. Anita Robinson - NCAT
- Technical Advisory Committee (via TPF website)
- Ms. Kristy Harris – FHWA, ALDOT Liaison (via email)
- Ms. Shontrill Lowe – FHWA, Community Planner (via email)
- Ms. Kadian Hollenquest – FHWA, Financial Manager (via email)
- Mr. Jimmy Carroll - ALDOT, Bureau of Office Engineer
- Mr. Shane Missildine - ALDOT, Bureau of Office Engineer
- File

TPF-5(561)/ALDOT Research Project 931-952P
"Consortium for Asphalt Pavement Research and Implementation 2 (CAPRI-2)"

ALDOT Processed Funding Report

State	Contributions						Total
	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	
Alabama DOT	\$ 60,000.00	-	-	-	-	-	\$ 60,000.00
FHWA	\$ 50,000.00	-	-	-	-	-	\$ 50,000.00
Georgia DOT	-	-	-	-	-	-	\$ -
Illinois DOT	-	-	-	-	-	-	\$ -
Iowa DOT	-	-	-	-	-	-	\$ -
Michigan DOT	-	-	-	-	-	-	\$ -
Mississippi DOT	\$ 200,000.00	-	-	-	-	-	\$ 200,000.00
Missouri DOT	\$ 14,000.00	-	-	-	-	-	\$ 14,000.00
Montana DOT	\$ 14,000.00	-	-	-	-	-	\$ 14,000.00
North Dakota DOT	-	-	-	-	-	-	\$ -
Ohio DOT	-	-	-	-	-	-	\$ -
South Carolina DOT	\$ 25,000.00	-	-	-	-	-	\$ 25,000.00
Texas DOT	-	-	-	-	-	-	\$ -
Vermont DOT	-	-	-	-	-	-	\$ -
Wisconsin DOT	-	-	-	-	-	-	\$ -
Grand Total*	\$ 363,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,000.00

Notes: *The Grand Total noted above reflects the amount of funds received for the study as of 12/30/2025.
This table does not reflect any expenses charged for work performed.

Consortium for Asphalt Pavement Research and Implementation 2 (CAPRI-2)

General Information

Study Number:	TPF-5(561)
Lead Organization:	Alabama Department of Transportation
Contract Start Date:	Jan 01, 2026
Solicitation Number:	1642
Partners:	AL, GADOT, IADOT, IL, MI, MO, MS, MT, ND, OH, PR, SC, TN, TX, VT, WI
Status:	Cleared by FHWA
Est. Completion Date:	Dec 31, 2030
Contract/Other Number:	
Last Updated:	Nov 05, 2025
Contract End Date:	

Financial Summary

Contract Amount:	
Total Commitments Received:	\$1,073,000.00
100% SP&R Approval:	

Contact Information

Lead Study Contact(s):	Kidada Dixon dixonk@dot.state.al.us Phone: 334.353.6940
FHWA Technical Liaison(s):	Aaron Leavitt aaron.leavitt@dot.gov Phone: 202-493-3187

Commitments by Organizations

Organization	Year	Commitments	Technical Contact Name	Funding Contact Name	Contact Number	Email Address
Alabama Department of Transportation	2026	\$10,000.00	Kidada Dixon	Kidada Dixon	334.353.6940	dixonk@dot.state.al.us
Alabama Department of Transportation	2027	\$10,000.00	Kidada Dixon	Kidada Dixon	334.353.6940	dixonk@dot.state.al.us
Alabama Department of Transportation	2028	\$10,000.00	Kidada Dixon	Kidada Dixon	334.353.6940	dixonk@dot.state.al.us
Alabama Department of Transportation	2029	\$10,000.00	Kidada Dixon	Kidada Dixon	334.353.6940	dixonk@dot.state.al.us
Alabama Department of Transportation	2030	\$10,000.00	Kidada Dixon	Kidada Dixon	334.353.6940	dixonk@dot.state.al.us
Alabama Department of Transportation	2031	\$10,000.00	Kidada Dixon	Kidada Dixon	334.353.6940	dixonk@dot.state.al.us
Georgia Department of Transportation	2026	\$18,000.00	Jacob Walker	Brennan Roney	404-347-0595	broney@dot.ga.gov
Georgia Department of Transportation	2027	\$18,000.00	Jacob Walker	Brennan Roney	404-347-0595	broney@dot.ga.gov
Georgia Department of Transportation	2028	\$18,000.00	Jacob Walker	Brennan Roney	404-347-0595	broney@dot.ga.gov

Organization	Year	Commitments	Technical Contact Name	Funding Contact Name	Contact Number	Email Address
Georgia Department of Transportation	2029	\$18,000.00	Jacob Walker	Brennan Roney	404-347-0595	broney@dot.ga.gov
Georgia Department of Transportation	2030	\$18,000.00	Jacob Walker	Brennan Roney	404-347-0595	broney@dot.ga.gov
Georgia Department of Transportation	2031	\$18,000.00	Jacob Walker	Brennan Roney	404-347-0595	broney@dot.ga.gov
Illinois Department of Transportation	2026	\$18,000.00	Brian Hill	John Senger	217-782-8582	John.Senger@Illinois.gov
Illinois Department of Transportation	2027	\$18,000.00	Brian Hill	John Senger	217-782-8582	John.Senger@Illinois.gov
Illinois Department of Transportation	2028	\$18,000.00	Brian Hill	John Senger	217-782-8582	John.Senger@Illinois.gov
Illinois Department of Transportation	2029	\$18,000.00	Brian Hill	John Senger	217-782-8582	John.Senger@Illinois.gov
Illinois Department of Transportation	2030	\$18,000.00	Brian Hill	John Senger	217-782-8582	John.Senger@Illinois.gov
Iowa Department of Transportation	2026	\$10,000.00	Brian Johnson	Transfer Research		Transfer.Research@iowadot.us
Iowa Department of Transportation	2027	\$10,000.00	Brian Johnson	Transfer Research		Transfer.Research@iowadot.us
Iowa Department of Transportation	2028	\$10,000.00	Brian Johnson	Transfer Research		Transfer.Research@iowadot.us
Iowa Department of Transportation	2029	\$10,000.00	Brian Johnson	Transfer Research		Transfer.Research@iowadot.us
Iowa Department of Transportation	2030	\$10,000.00	Brian Johnson	Transfer Research		Transfer.Research@iowadot.us
Michigan Department of Transportation	2026	\$14,000.00	Michelle Miller	Andre' Clover	517-749-9001	clovera@michigan.gov
Michigan Department of Transportation	2027	\$14,000.00	Michelle Miller	Andre' Clover	517-749-9001	clovera@michigan.gov
Michigan Department of Transportation	2028	\$14,000.00	Michelle Miller	Andre' Clover	517-749-9001	clovera@michigan.gov
Michigan Department of Transportation	2029	\$14,000.00	Michelle Miller	Andre' Clover	517-749-9001	clovera@michigan.gov
Michigan Department of Transportation	2030	\$14,000.00	Michelle Miller	Andre' Clover	517-749-9001	clovera@michigan.gov
Mississippi Department of Transportation	2026	\$200,000.00	Alex Middleton	Robert Vance		RVance@mdot.ms.gov
Missouri Department of Transportation	2026	\$14,000.00	Jason Blomberg	Jennifer Harper	573-526-3636	Jennifer.Harper@modot.mo.gov
Missouri Department of Transportation	2027	\$14,000.00	Jason Blomberg	Jennifer Harper	573-526-3636	Jennifer.Harper@modot.mo.gov
Missouri Department of Transportation	2028	\$14,000.00	Jason Blomberg	Jennifer Harper	573-526-3636	Jennifer.Harper@modot.mo.gov
Missouri Department of Transportation	2029	\$14,000.00	Jason Blomberg	Jennifer Harper	573-526-3636	Jennifer.Harper@modot.mo.gov
Missouri Department of Transportation	2030	\$14,000.00	Jason Blomberg	Jennifer Harper	573-526-3636	Jennifer.Harper@modot.mo.gov
Montana Department of Transportation	2026	\$14,000.00	Matthew Needham	Tamuna Cullison		tcullison@mt.gov
Montana Department of Transportation	2027	\$14,000.00	Matthew Needham	Tamuna Cullison		tcullison@mt.gov
Montana Department of Transportation	2028	\$14,000.00	Matthew Needham	Tamuna Cullison		tcullison@mt.gov
Montana Department of Transportation	2029	\$14,000.00	Matthew Needham	Tamuna Cullison		tcullison@mt.gov
Montana Department of Transportation	2030	\$14,000.00	Matthew Needham	Tamuna Cullison		tcullison@mt.gov

Organization	Year	Commitments	Technical Contact Name	Funding Contact Name	Contact Number	Email Address
North Dakota Department of Transportation	2026	\$10,000.00	Tyler Wollmuth	TJ Murphy	701-328-6910	tjmurphy@nd.gov
North Dakota Department of Transportation	2027	\$10,000.00	Tyler Wollmuth	TJ Murphy	701-328-6910	tjmurphy@nd.gov
North Dakota Department of Transportation	2028	\$10,000.00	Tyler Wollmuth	TJ Murphy	701-328-6910	tjmurphy@nd.gov
North Dakota Department of Transportation	2029	\$10,000.00	Tyler Wollmuth	TJ Murphy	701-328-6910	tjmurphy@nd.gov
North Dakota Department of Transportation	2030	\$10,000.00	Tyler Wollmuth	TJ Murphy	701-328-6910	tjmurphy@nd.gov
Ohio Department of Transportation	2026	\$14,000.00	Michelle Lucas	Eric Biehl	614-275-1380	eric.biehl@dot.ohio.gov
Ohio Department of Transportation	2027	\$14,000.00	Michelle Lucas	Eric Biehl	614-275-1380	eric.biehl@dot.ohio.gov
Ohio Department of Transportation	2028	\$14,000.00	Michelle Lucas	Eric Biehl	614-275-1380	eric.biehl@dot.ohio.gov
Ohio Department of Transportation	2029	\$14,000.00	Michelle Lucas	Eric Biehl	614-275-1380	eric.biehl@dot.ohio.gov
Ohio Department of Transportation	2030	\$14,000.00	Michelle Lucas	Eric Biehl	614-275-1380	eric.biehl@dot.ohio.gov
South Carolina Department of Transportation	2026	\$25,000.00	Kimberly Lyons	Terry Swygert	803-737-6691	SwygertTL@scdot.org
South Carolina Department of Transportation	2027	\$25,000.00	Kimberly Lyons	Terry Swygert	803-737-6691	SwygertTL@scdot.org
South Carolina Department of Transportation	2028	\$25,000.00	Kimberly Lyons	Terry Swygert	803-737-6691	SwygertTL@scdot.org
South Carolina Department of Transportation	2029	\$25,000.00	Kimberly Lyons	Terry Swygert	803-737-6691	SwygertTL@scdot.org
South Carolina Department of Transportation	2030	\$25,000.00	Kimberly Lyons	Terry Swygert	803-737-6691	SwygertTL@scdot.org
Texas Department of Transportation	2026	\$10,000.00	Gisel Carrasco	Ned Mattila	512-221-3450	ned.mattila@txdot.gov
Texas Department of Transportation	2027	\$10,000.00	Gisel Carrasco	Ned Mattila	512-221-3450	ned.mattila@txdot.gov
Texas Department of Transportation	2028	\$10,000.00	Gisel Carrasco	Ned Mattila	512-221-3450	ned.mattila@txdot.gov
Texas Department of Transportation	2029	\$10,000.00	Gisel Carrasco	Ned Mattila	512-221-3450	ned.mattila@txdot.gov
Texas Department of Transportation	2030	\$10,000.00	Gisel Carrasco	Ned Mattila	512-221-3450	ned.mattila@txdot.gov
Vermont Agency of Transportation	2026	\$10,000.00	Ian Anderson	Emily Parkany	(802) 272-6862	Emily.Parkany@vermont.gov
Vermont Agency of Transportation	2027	\$10,000.00	Ian Anderson	Emily Parkany	(802) 272-6862	Emily.Parkany@vermont.gov
Vermont Agency of Transportation	2028	\$10,000.00	Ian Anderson	Emily Parkany	(802) 272-6862	Emily.Parkany@vermont.gov
Vermont Agency of Transportation	2029	\$10,000.00	Ian Anderson	Emily Parkany	(802) 272-6862	Emily.Parkany@vermont.gov
Vermont Agency of Transportation	2030	\$10,000.00	Ian Anderson	Emily Parkany	(802) 272-6862	Emily.Parkany@vermont.gov
Wisconsin Department of Transportation	2026	\$10,000.00	Evelyn Bromberg	Daniel Kopacz	608 215-7628	Daniel.Kopacz@dot.wi.gov

Study Description

Study Description

As owners and operators of the nation's surface transportation infrastructure, state departments of transportation (DOTs) are striving to design and build longer-lasting and more cost-effective asphalt pavements that meet a higher level of sustainability, safety, and user satisfaction for the public. To achieve this goal, state DOTs continue to seek and adopt innovative technologies and optimized practices for designing, constructing, and preserving asphalt pavements. These innovative technologies and practices are often developed from collaborative research efforts supported by state DOTs, the Federal Highway Administration (FHWA), and industry.

The Consortium for Asphalt Pavement Research and Implementation (CAPRI) is 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. With the momentum that has been built over the past 4 years with the first CAPRI,