



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>



Kay Ivey
Governor

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(465)/ALDOT Research Project 931-934P,
“Consortium for Asphalt Pavement Research and Implementation (CAPRI)”
Letter of Direction – Update (No. 7)

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 Supplemental Agreement No. 18-01317.1 with the National Center for Asphalt Technology. The supplemental agreement was approved by the Governor on November 16, 2020. Note: This is an updated letter that reflects the previous and additional study participants and obligated funds received to our department as of December 30, 2025.

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. Michael Stanford (Michael.stanford@state.co.us; (303) 398-6576) – Colorado DOT
Mr. David Mensching (David.menschling@dot.gov; (202) 493-3232) - FHWA
Ms. Kristy Harris (kristy.harris@dot.gov; (334) 274-6361) – FHWA, ALDOT Liaison
Mr. Howard Moseley (howard.moseley@dot.state.fl.us; (352) 955-2905) – Florida DOT
Mr. Peter Wu (peter.wu@dot.ga.gov; (404) 608-4810) – Georgia DOT
Mr. Mung Fa Chung (mungfa.chung@hawaii.gov; (808) 832-3405) – Hawaii DOT
Mr. Mike Copeland (mike.copeland@itd.idaho.gov; (208) 334-8000) – Idaho DOT
Mr. Matt Beeson (mbeeson@indot.in.gov; (317) 522-9662) – Indiana DOT

Mr. Robert Semones (Robert.semones@ky.gov; (502) 564-3160) – Kentucky
Transportation Cabinet
Mr. Casey Nash (casey.b.nash@maine.gov; (207) 592-7372) – Maine DOT
Mr. Hao Yin (hao.m.yin@dot.state.ma.us; (814) 360-6988) – Massachusetts DOT
Mr. Kevin Kennedy (kennedyK@michigan.gov; (517) 749-9067) – Michigan DOT
Ms. Michelle Miller (MillerM81@michigan.gov; (517) 256-6799) – Michigan DOT
Mr. Griffin Sullivan (wsullivan@mdot.ms.gov; (601) 359-1798) – Mississippi DOT
Mr. Jacob Graessle (jacob.graessle@modot.mo.gov; (573) 526-0371) – Missouri DOT
Mr. Robert Rea (Robert.rea@nebraska.gov; (402) 479-3163) – Nebraska DOT
Mr. Hao Yin (Hao.Uin@dot.nm.gov; (505) 412-9553) – New Mexico DOT
Dr. Can Chen (can.chen@dot.nm.gov; (505) 946-7042) – New Mexico DOT
Mr. Thomas Kane (thomas.kane@dot.ny.gov; (518) 457-4445) – New York State DOT
Mr. Andrew Wargo (adwargo@ncdot.gov; (919) 329-4017) – North Carolina DOT
Mr. Tyler Wollmuth (twollmuth@nd.gov; (701) 328-2500) – North Dakota DOT
Mr. Eric Biehl (eric.biehl@dot.ohio.gov; (614) 275-1380) – Ohio DOT
Mr. David Vivanco (dvivanco@odot.org; (405) 522-4986) – Oklahoma DOT
Mr. Tim Ramirez (tramirez@pa.gov; (717) 787-4250) – Pennsylvania DOT
Mr. Miguel Estrella Colon (mEstrella@dttop.pr.gov; (787) 721-8787) – Puerto Rico
Highway Transportation Authority
Mr. Cliff Selkinghaus (selkinghcb@scdot.org; (803) 737-6700) – South Carolina DOT
Mr. Merrill Zwanka (zwankaME@scdot.org; (803) 737-6681) – South Carolina DOT
Ms. Heather Hall (Heather.Purd.Hall@tn.gov; (615) 350-4100) – Tennessee DOT
Mr. Travis Patton (travis.patton@txdot.gov; (512) 416-4727) – Texas DOT
Mr. Jomo McClean (jomo.mcclean@vi.gov; (678) 457-0292) – Virgin Islands
Ms. Angela Beyke (angela.beyke@vdot.virginia.gov; (804) 328-3173) – Virginia DOT
Ms. Karen Carlie (carliek@wsdot.wa.gov; (360) 709-5479) – Washington
State DOT
Mr. Daniel Kopacz (Daniel.kopacz@dot.wi.gov; (608) 266-3581) – 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 931-934P in our research series, and TPF-5(465) on the Transportation Pooled Fund (TPF) website (<https://www.pooledfund.org/>). **The performance period of this project will begin on March 1, 2021, and will end on December 31, 2027.** (Note: The project was originally scheduled to end on December 31, 2025. The NCAT Director requested a 2-year no cost time extension to complete special state-specific and additional projects. The extension was approved by Ms. Tricia Sergeson, FHWA Transportation Pooled Fund Manager on August 13, 2024. Information about these special projects is provided below.)

As of December 30, 2025, the amount of funds received from the participating states and FHWA total \$3,556,712.00. These funds are from the committed pledges (total \$3,004,500.00) made by the participating states and FHWA on the Transportation Pooled Fund (TPF) Website. These commitments were made to this project under TPF project number TPF-5(465) 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.

In addition to the original proposed work to be performed, there are 3 special projects to be carried out under this pooled fund study with federal funds allocated from pooled fund study TPF-5(478), “Demonstration to Advance New Pavement Technologies Pooled Fund”. FHWA will participate and allocate \$250,000.00 of contract authority to support implementation for each of the following states: Alabama, Hawaii, North Dakota and Wisconsin. The funding report detailing the transfer of funds received and processed by ALDOT as of December 30, 2025 is attached. These funds will be for reimbursement at actual cost and the unspent portion will be returned to FHWA. Separate invoices must be submitted for work performed for record keeping purposes.

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 updated 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 Spreadsheets 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(465)/ALDOT Research Project 931-934P
"Consortium for Asphalt Pavement Research and Implementation (CAPRI)"

ALDOT Processed Funding Report

| State | Contributions | | | | | Total |
|---------------------------------|---------------|---------------|---------------|---------------|--------------|---------------|
| | FY2021 | FY2022 | FY2023 | FY2024 | FY2025 | |
| Alabama DOT | \$ 50,000.00 | \$ 52,000.00 | - | - | \$ 10,000.00 | \$ 102,000.00 |
| Colorado DOT | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 50,000.00 |
| FHWA | - | \$ 12,000.00 | - | \$ 45,382.00 | - | \$ 57,382.00 |
| Florida DOT | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 50,000.00 |
| Georgia DOT | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 20,000.00 | - | \$ 50,000.00 |
| Hawaii | - | - | \$ 10,000.00 | \$ 10,000.00 | - | \$ 20,000.00 |
| Idaho DOT | \$ 50,000.00 | - | - | - | - | \$ 50,000.00 |
| Indiana DOT | - | - | - | - | \$ 40,000.00 | \$ 40,000.00 |
| Kentucky Transportation Cabinet | \$ 20,000.00 | \$ 20,000.00 | - | \$ 230,000.00 | \$ 10,000.00 | - |
| Maine DOT | - | - | - | - | \$ 20,000.00 | \$ 20,000.00 |
| Massachusetts DOT | - | - | - | - | \$ 8,000.00 | \$ 8,000.00 |
| Michigan DOT | - | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | - | \$ 30,000.00 |
| Mississippi DOT | \$ 300,000.00 | \$ 50,000.00 | - | \$ 233,000.00 | \$ 14,000.00 | \$ 597,000.00 |
| Missouri DOT | \$ 14,000.00 | \$ 14,000.00 | \$ 14,000.00 | \$ 14,000.00 | - | \$ 70,000.00 |
| Nebraska DOT | - | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 40,000.00 |
| Nevada DOT | - | - | - | \$ 20,000.00 | - | \$ 20,000.00 |
| New Mexico DOT | - | \$ 160,000.00 | \$ 10,000.00 | - | - | \$ 170,000.00 |
| New York State DOT | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | - | \$ 50,000.00 |
| North Carolina DOT | \$ 14,000.00 | \$ 14,000.00 | - | \$ 14,000.00 | \$ 14,000.00 | \$ 56,000.00 |
| North Dakota DOT | - | \$ 10,000.00 | \$ 310,000.00 | \$ 10,000.00 | - | \$ 340,000.00 |
| Ohio DOT | \$ 10,000.00 | \$ 10,000.00 | \$ 14,000.00 | \$ 14,000.00 | - | \$ 62,000.00 |
| Oklahoma DOT | - | \$ 10,000.00 | \$ 10,000.00 | \$ 20,000.00 | \$ 10,000.00 | \$ 50,000.00 |
| Pennsylvania DOT | \$ 18,000.00 | \$ 18,000.00 | \$ 18,000.00 | - | - | \$ 54,000.00 |

TPF-5(465)/ALDOT Research Project 931-934P
"Consortium for Asphalt Pavement Research and Implementation (CAPRI)"

ALDOT Processed Funding Report

| State | Contributions | | | | | Total |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|
| | FY2021 | FY2022 | FY2023 | FY2024 | FY2025 | |
| Puerto Rico Highway Authority | - | \$ 160,000.00 | - | \$ 130,830.00 | \$ 300,000.00 | - |
| South Carolina DOT | \$ 20,000.00 | \$ 107,500.00 | \$ 20,000.00 | \$ 20,000.00 | \$ 20,000.00 | - |
| Tennessee DOT | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | - | \$ 20,000.00 | - |
| Texas DOT | - | - | \$ 30,000.00 | \$ 10,000.00 | \$ 10,000.00 | - |
| Virgin Islands | - | - | - | \$ 100,000.00 | \$ 200,000.00 | - |
| Virginia DOT | - | - | \$ 28,000.00 | \$ 14,000.00 | - | \$ 42,000.00 |
| Washington State DOT | - | - | - | \$ 10,000.00 | \$ 10,000.00 | - |
| Wisconsin DOT | \$ 10,000.00 | \$ 20,000.00 | - | \$ 20,000.00 | - | \$ 50,000.00 |
| Grand Total* | \$ 556,000.00 | \$ 557,500.00 | \$ 684,000.00 | \$ 995,212.00 | \$ 724,000.00 | \$ 3,556,712.00 |

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.

TPF-5(465)/ALDOT Research Project 931-934P
"Consortium for Asphalt Pavement Research and Implementation (CAPRI)"

ALDOT Processed Special Projects Funding Report*

| State | Special Project Name | FY 2024 | Total |
|--------------------------------|--|------------------------|------------------------|
| Alabama DOT | Balanced Mixture Design Pilot and Field Sections | \$ 250,000.00 | \$ 250,000.00 |
| | Development of Balanced Mix Design | \$ 250,000.00 | \$ 250,000.00 |
| North Dakota DOT | Balanced Mixture Design Specification Development and Implementation | \$ 250,000.00 | \$ 250,000.00 |
| | Balanced Mixture Design Pilot and Field Sections | \$ 250,000.00 | \$ 250,000.00 |
| Grand Total¹ | | \$ 1,000,000.00 | \$ 1,000,000.00 |

Notes:

* FHWA federal participation funds were allocated from pooled fund study TPF-5(478), "Demonstration to Advance New Pavement Technologies Pooled Fund", for special projects to be conducted for the above listed states. These special projects will be carried out under pooled fund study TPF-5(465).

¹ 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. Separate invoices must be submitted for work performed to receive reimbursement at actual cost. Any unspent funds will be returned to FHWA at the end of the special project.

Consortium for Asphalt Pavement Research and Implementation (CAPRI)

General Information

| | |
|------------------------|---|
| Study Number: | TPF-5(465) |
| Lead Organization: | Alabama Department of Transportation |
| Solicitation Number: | 1533 |
| Partners: | AL, CO, FHWA, FL, GADOT, HI, ID, IN, KY, MA, ME, MI, MO, MS, NC, ND, NE, NM, NV, NY, OH, OK, PADOT, PR, SC, TN, TX, VA, VIDPW, WA, WI |
| Status: | Cleared by FHWA |
| Est. Completion Date: | |
| Contract/Other Number: | |
| Last Updated: | Oct 09, 2025 |
| Contract End Date: | Dec 31, 2027 |

Financial Summary

| | |
|-----------------------------|----------------|
| Contract Amount: | |
| Total Commitments Received: | \$3,004,500.00 |
| 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): | David Mensching david.menschling@dot.gov Phone: 2024933232 |

Commitments by Organizations

| Organization | Year | Commitments | Technical Contact Name | Funding Contact Name | Contact Number | Email Address |
|---------------------------------------|------|-------------|------------------------|----------------------|----------------|--|
| Alabama Department of Transportation | 2021 | \$10,000.00 | Kidada Dixon | Kidada Dixon | 334.353.6940 | dixonk@dot.state.al.us |
| Alabama Department of Transportation | 2022 | \$23,000.00 | Kidada Dixon | Kidada Dixon | 334.353.6940 | dixonk@dot.state.al.us |
| Alabama Department of Transportation | 2023 | \$23,000.00 | Kidada Dixon | Kidada Dixon | 334.353.6940 | dixonk@dot.state.al.us |
| Alabama Department of Transportation | 2024 | \$23,000.00 | Kidada Dixon | Kidada Dixon | 334.353.6940 | dixonk@dot.state.al.us |
| Alabama Department of Transportation | 2025 | \$23,000.00 | Kidada Dixon | Kidada Dixon | 334.353.6940 | dixonk@dot.state.al.us |
| Colorado Department of Transportation | 2021 | \$10,000.00 | Vincent Battista | Thien Tran | (303) 757-9522 | thien.tran@state.co.us |
| Colorado Department of Transportation | 2022 | \$10,000.00 | Vincent Battista | Thien Tran | (303) 757-9522 | thien.tran@state.co.us |
| Colorado Department of Transportation | 2023 | \$10,000.00 | Vincent Battista | Thien Tran | (303) 757-9522 | thien.tran@state.co.us |
| Colorado Department of Transportation | 2024 | \$10,000.00 | Vincent Battista | Thien Tran | (303) 757-9522 | thien.tran@state.co.us |

| Organization | Year | Commitments | Technical Contact Name | Funding Contact Name | Contact Number | Email Address |
|---------------------------------------|------|--------------|------------------------|----------------------|----------------------|--|
| Colorado Department of Transportation | 2025 | \$10,000.00 | Vincent Battista | Thien Tran | (303) 757-9522 | thien.tran@state.co.us |
| Federal Highway Administration | 2022 | \$6,000.00 | David Mensching | David Mensching | 2024933232 | david.menschling@dot.gov |
| Florida Department of Transportation | 2021 | \$10,000.00 | Howard Moseley | Jennifer Clark | 850-414-4614 | jennifer.clark@dot.state.fl.us |
| Florida Department of Transportation | 2022 | \$10,000.00 | Howard Moseley | Jennifer Clark | 850-414-4614 | jennifer.clark@dot.state.fl.us |
| Florida Department of Transportation | 2023 | \$10,000.00 | Howard Moseley | Jennifer Clark | 850-414-4614 | jennifer.clark@dot.state.fl.us |
| Florida Department of Transportation | 2024 | \$10,000.00 | Howard Moseley | Jennifer Clark | 850-414-4614 | jennifer.clark@dot.state.fl.us |
| Florida Department of Transportation | 2025 | \$10,000.00 | Howard Moseley | Jennifer Clark | 850-414-4614 | jennifer.clark@dot.state.fl.us |
| Georgia Department of Transportation | 2021 | \$10,000.00 | Peter Wu | Brennan Roney | 404-347-0595 | broney@dot.ga.gov |
| Georgia Department of Transportation | 2022 | \$10,000.00 | Peter Wu | Brennan Roney | 404-347-0595 | broney@dot.ga.gov |
| Georgia Department of Transportation | 2023 | \$10,000.00 | Peter Wu | Brennan Roney | 404-347-0595 | broney@dot.ga.gov |
| Georgia Department of Transportation | 2024 | \$10,000.00 | Peter Wu | Brennan Roney | 404-347-0595 | broney@dot.ga.gov |
| Georgia Department of Transportation | 2025 | \$10,000.00 | Peter Wu | Brennan Roney | 404-347-0595 | broney@dot.ga.gov |
| Hawaii Department of Transportation | 2022 | \$10,000.00 | Mung Fa Chung | Christine Yamasaki | (808)587-2226 | christine.yamasaki@hawaii.gov |
| Hawaii Department of Transportation | 2023 | \$10,000.00 | Mung Fa Chung | Christine Yamasaki | (808)587-2226 | christine.yamasaki@hawaii.gov |
| Hawaii Department of Transportation | 2024 | \$10,000.00 | Mung Fa Chung | Christine Yamasaki | (808)587-2226 | christine.yamasaki@hawaii.gov |
| Hawaii Department of Transportation | 2025 | \$10,000.00 | Mung Fa Chung | Christine Yamasaki | (808)587-2226 | christine.yamasaki@hawaii.gov |
| Idaho Department of Transportation | 2021 | \$50,000.00 | Mike Copeland | Amanda Laib | 208-334-8181 | amanda.laib@itd.idaho.gov |
| Indiana Department of Transportation | 2022 | \$10,000.00 | Matt Beeson | Tommy Nantung | 765-463-1521 ext 248 | tnantung@indot.in.gov |
| Indiana Department of Transportation | 2023 | \$10,000.00 | Matt Beeson | Tommy Nantung | 765-463-1521 ext 248 | tnantung@indot.in.gov |
| Indiana Department of Transportation | 2024 | \$10,000.00 | Matt Beeson | Tommy Nantung | 765-463-1521 ext 248 | tnantung@indot.in.gov |
| Indiana Department of Transportation | 2025 | \$10,000.00 | Matt Beeson | Tommy Nantung | 765-463-1521 ext 248 | tnantung@indot.in.gov |
| Kentucky Transportation Cabinet | 2021 | \$10,000.00 | Robert Semones | Jarrod Stanley | (502) 782-4090 | jarrod.stanley@ky.gov |
| Kentucky Transportation Cabinet | 2022 | \$10,000.00 | Robert Semones | Jarrod Stanley | (502) 782-4090 | jarrod.stanley@ky.gov |
| Kentucky Transportation Cabinet | 2023 | \$10,000.00 | Robert Semones | Jarrod Stanley | (502) 782-4090 | jarrod.stanley@ky.gov |
| Kentucky Transportation Cabinet | 2024 | \$230,000.00 | Robert Semones | Jarrod Stanley | (502) 782-4090 | jarrod.stanley@ky.gov |
| Kentucky Transportation Cabinet | 2025 | \$10,000.00 | Robert Semones | Jarrod Stanley | (502) 782-4090 | jarrod.stanley@ky.gov |
| Maine Department of Transportation | 2024 | \$10,000.00 | Casey Nash | Jeffrey Pulver | | Jeffrey.Pulver@maine.gov |

| Organization | Year | Commitments | Technical Contact Name | Funding Contact Name | Contact Number | Email Address |
|---|------|--------------|------------------------|----------------------|----------------|--|
| Maine Department of Transportation | 2025 | \$10,000.00 | Casey Nash | Jeffrey Pulver | | Jeffrey.Pulver@maine.gov |
| Massachusetts Department of Transportation | 2025 | \$50,000.00 | Hao Yin | Hao Yin | 814-360-6988 | hao.m.yin@dot.state.ma.us |
| Michigan Department of Transportation | 2023 | \$10,000.00 | Michelle Miller | Andre' Clover | 517-749-9001 | clovera@michigan.gov |
| Michigan Department of Transportation | 2024 | \$10,000.00 | Michelle Miller | Andre' Clover | 517-749-9001 | clovera@michigan.gov |
| Michigan Department of Transportation | 2025 | \$10,000.00 | Michelle Miller | Andre' Clover | 517-749-9001 | clovera@michigan.gov |
| Mississippi Department of Transportation | 2021 | \$350,000.00 | Griffin Sullivan | Robert Vance | | RVance@mdot.ms.gov |
| Mississippi Department of Transportation | 2022 | \$14,000.00 | Griffin Sullivan | Robert Vance | | RVance@mdot.ms.gov |
| Mississippi Department of Transportation | 2024 | \$233,000.00 | Griffin Sullivan | Robert Vance | | RVance@mdot.ms.gov |
| Mississippi Department of Transportation | 2025 | \$14,000.00 | Griffin Sullivan | Robert Vance | | RVance@mdot.ms.gov |
| Missouri Department of Transportation | 2021 | \$14,000.00 | Jacob Graessle | Jennifer Harper | 573-526-3636 | Jennifer.Harper@modot.mo.gov |
| Missouri Department of Transportation | 2022 | \$14,000.00 | Jacob Graessle | Jennifer Harper | 573-526-3636 | Jennifer.Harper@modot.mo.gov |
| Missouri Department of Transportation | 2023 | \$14,000.00 | Jacob Graessle | Jennifer Harper | 573-526-3636 | Jennifer.Harper@modot.mo.gov |
| Missouri Department of Transportation | 2024 | \$14,000.00 | Jacob Graessle | Jennifer Harper | 573-526-3636 | Jennifer.Harper@modot.mo.gov |
| Missouri Department of Transportation | 2025 | \$14,000.00 | Jacob Graessle | Jennifer Harper | 573-526-3636 | Jennifer.Harper@modot.mo.gov |
| Nebraska Department of Transportation | 2022 | \$10,000.00 | Robert Rea | Mark Fischer | (402) 479-3163 | Mark.fischer@nebraska.gov |
| Nebraska Department of Transportation | 2023 | \$10,000.00 | Robert Rea | Mark Fischer | (402) 479-3163 | Mark.fischer@nebraska.gov |
| Nebraska Department of Transportation | 2024 | \$10,000.00 | Robert Rea | Mark Fischer | (402) 479-3163 | Mark.fischer@nebraska.gov |
| Nebraska Department of Transportation | 2025 | \$10,000.00 | Robert Rea | Mark Fischer | (402) 479-3163 | Mark.fischer@nebraska.gov |
| Nevada Department of Transportation | 2024 | \$20,000.00 | Charlie Pan | Lucy Koury | (775) 888-7223 | lkoury@dot.nv.gov |
| New Mexico Department of Transportation | 2023 | \$160,000.00 | Can Chen | Angelo Armijo | (505)372-8757 | Angelo.Armijo@dot.nm.gov |
| New Mexico Department of Transportation | 2024 | \$10,000.00 | Can Chen | Angelo Armijo | (505)372-8757 | Angelo.Armijo@dot.nm.gov |
| New York State Department of Transportation | 2021 | \$10,000.00 | Thomas Kane | Gail Carpenter | 518-457-8083 | Gail.Carpenter@dot.ny.gov |
| New York State Department of Transportation | 2022 | \$10,000.00 | Thomas Kane | Gail Carpenter | 518-457-8083 | Gail.Carpenter@dot.ny.gov |
| New York State Department of Transportation | 2023 | \$10,000.00 | Thomas Kane | Gail Carpenter | 518-457-8083 | Gail.Carpenter@dot.ny.gov |
| New York State Department of Transportation | 2024 | \$10,000.00 | Thomas Kane | Gail Carpenter | 518-457-8083 | Gail.Carpenter@dot.ny.gov |
| New York State Department of Transportation | 2025 | \$10,000.00 | Thomas Kane | Gail Carpenter | 518-457-8083 | Gail.Carpenter@dot.ny.gov |
| North Carolina Department of Transportation | 2021 | \$14,000.00 | Andrew Wargo | Curtis Bradley | 919-707-6661 | cbradley8@ncdot.gov |

| Organization | Year | Commitments | Technical Contact Name | Funding Contact Name | Contact Number | Email Address |
|--|------|--------------|------------------------|-----------------------|----------------|--|
| North Carolina Department of Transportation | 2022 | \$14,000.00 | Andrew Wargo | Curtis Bradley | 919-707-6661 | cbradley8@ncdot.gov |
| North Carolina Department of Transportation | 2023 | \$14,000.00 | Andrew Wargo | Curtis Bradley | 919-707-6661 | cbradley8@ncdot.gov |
| North Carolina Department of Transportation | 2024 | \$14,000.00 | Andrew Wargo | Curtis Bradley | 919-707-6661 | cbradley8@ncdot.gov |
| North Carolina Department of Transportation | 2025 | \$14,000.00 | Andrew Wargo | Curtis Bradley | 919-707-6661 | cbradley8@ncdot.gov |
| North Dakota Department of Transportation | 2022 | \$10,000.00 | Tyler Wollmuth | TJ Murphy | 701-328-6910 | tjmurphy@nd.gov |
| North Dakota Department of Transportation | 2023 | \$310,000.00 | Tyler Wollmuth | TJ Murphy | 701-328-6910 | tjmurphy@nd.gov |
| North Dakota Department of Transportation | 2024 | \$10,000.00 | Tyler Wollmuth | TJ Murphy | 701-328-6910 | tjmurphy@nd.gov |
| North Dakota Department of Transportation | 2025 | \$10,000.00 | Tyler Wollmuth | TJ Murphy | 701-328-6910 | tjmurphy@nd.gov |
| Ohio Department of Transportation | 2021 | \$10,000.00 | Eric Biehl | Jill Martindale | 6146448173 | jacquelin.martindale@dot.ohio.gov |
| Ohio Department of Transportation | 2022 | \$10,000.00 | Eric Biehl | Jill Martindale | 6146448173 | jacquelin.martindale@dot.ohio.gov |
| Ohio Department of Transportation | 2023 | \$14,000.00 | Eric Biehl | Jill Martindale | 6146448173 | jacquelin.martindale@dot.ohio.gov |
| Ohio Department of Transportation | 2024 | \$14,000.00 | Eric Biehl | Jill Martindale | 6146448173 | jacquelin.martindale@dot.ohio.gov |
| Ohio Department of Transportation | 2025 | \$14,000.00 | Eric Biehl | Jill Martindale | 6146448173 | jacquelin.martindale@dot.ohio.gov |
| Oklahoma Transportation | 2022 | \$10,000.00 | David Vivanco | Beckie Lyons | | blyons@odot.org |
| Oklahoma Transportation | 2023 | \$10,000.00 | David Vivanco | Beckie Lyons | | blyons@odot.org |
| Oklahoma Transportation | 2024 | \$20,000.00 | David Vivanco | Beckie Lyons | | blyons@odot.org |
| Oklahoma Transportation | 2025 | \$10,000.00 | David Vivanco | Beckie Lyons | | blyons@odot.org |
| Pennsylvania Department of Transportation | 2021 | \$18,000.00 | Tim Ramirez | Evan Zeiders | 717-787-8460 | evzeiders@pa.gov |
| Pennsylvania Department of Transportation | 2022 | \$18,000.00 | Tim Ramirez | Evan Zeiders | 717-787-8460 | evzeiders@pa.gov |
| Pennsylvania Department of Transportation | 2023 | \$18,000.00 | Tim Ramirez | Evan Zeiders | 717-787-8460 | evzeiders@pa.gov |
| Puerto Rico Highway and Transportation Authority | 2022 | \$100,000.00 | Miguel Estrella Colón | Miguel Estrella Colón | | mEstrella@dtop.pr.gov |
| Puerto Rico Highway and Transportation Authority | 2023 | \$60,000.00 | Miguel Estrella Colón | Miguel Estrella Colón | | mEstrella@dtop.pr.gov |
| South Carolina Department of Transportation | 2021 | \$20,000.00 | Merrill Zwanka | Terry Swygert | 803-737-6691 | SwygertTL@scdot.org |
| South Carolina Department of Transportation | 2022 | \$107,500.00 | Merrill Zwanka | Terry Swygert | 803-737-6691 | SwygertTL@scdot.org |
| South Carolina Department of Transportation | 2023 | \$20,000.00 | Merrill Zwanka | Terry Swygert | 803-737-6691 | SwygertTL@scdot.org |
| South Carolina Department of Transportation | 2024 | \$20,000.00 | Merrill Zwanka | Terry Swygert | 803-737-6691 | SwygertTL@scdot.org |
| South Carolina Department of Transportation | 2025 | \$20,000.00 | Merrill Zwanka | Terry Swygert | 803-737-6691 | SwygertTL@scdot.org |
| Tennessee Department of Transportation | 2021 | \$10,000.00 | Heather Hall | Stacy Carter | | stacy.carter@tn.gov |
| Tennessee Department of Transportation | 2022 | \$10,000.00 | Heather Hall | Stacy Carter | | stacy.carter@tn.gov |

| Organization | Year | Commitments | Technical Contact Name | Funding Contact Name | Contact Number | Email Address |
|--|------|--------------|------------------------|----------------------|----------------|--|
| Tennessee Department of Transportation | 2023 | \$10,000.00 | Heather Hall | Stacy Carter | | stacy.carter@tn.gov |
| Tennessee Department of Transportation | 2024 | \$10,000.00 | Heather Hall | Stacy Carter | | stacy.carter@tn.gov |
| Tennessee Department of Transportation | 2025 | \$10,000.00 | Heather Hall | Stacy Carter | | stacy.carter@tn.gov |
| Texas Department of Transportation | 2021 | \$10,000.00 | Travis Patton | Ned Mattila | 512-221-3450 | ned.mattila@txdot.gov |
| Texas Department of Transportation | 2022 | \$10,000.00 | Travis Patton | Ned Mattila | 512-221-3450 | ned.mattila@txdot.gov |
| Texas Department of Transportation | 2023 | \$10,000.00 | Travis Patton | Ned Mattila | 512-221-3450 | ned.mattila@txdot.gov |
| Texas Department of Transportation | 2024 | \$10,000.00 | Travis Patton | Ned Mattila | 512-221-3450 | ned.mattila@txdot.gov |
| Texas Department of Transportation | 2025 | \$10,000.00 | Travis Patton | Ned Mattila | 512-221-3450 | ned.mattila@txdot.gov |
| U.S. Virgin Islands Department of Public Works | 2024 | \$100,000.00 | Jomo McClean | Jomo McClean | 340-776-4844 | jomo.mcclean@dpw.vi.gov |
| U.S. Virgin Islands Department of Public Works | 2025 | \$50,000.00 | Jomo McClean | Jomo McClean | 340-776-4844 | jomo.mcclean@dpw.vi.gov |
| Virginia Department of Transportation | 2023 | \$14,000.00 | Angela Beyke | Bill Kelsh | 434-293-1934 | Bill.Kelsh@VDOT.Virginia.gov |
| Virginia Department of Transportation | 2024 | \$14,000.00 | Angela Beyke | Bill Kelsh | 434-293-1934 | Bill.Kelsh@VDOT.Virginia.gov |
| Virginia Department of Transportation | 2025 | \$14,000.00 | Angela Beyke | Bill Kelsh | 434-293-1934 | Bill.Kelsh@VDOT.Virginia.gov |
| Washington State Department of Transportation | 2024 | \$10,000.00 | Karen Carlie | Mustafa Mohamedali | 360-704-6307 | Mustafa.Mohamedali@wsdot.wa.gov |
| Washington State Department of Transportation | 2025 | \$10,000.00 | Karen Carlie | Mustafa Mohamedali | 360-704-6307 | Mustafa.Mohamedali@wsdot.wa.gov |
| Wisconsin Department of Transportation | 2021 | \$10,000.00 | Daniel Kopacz | Evelyn Bromberg | 608-267-7360 | evelyn.bromberg@dot.wi.gov |
| Wisconsin Department of Transportation | 2022 | \$10,000.00 | Daniel Kopacz | Evelyn Bromberg | 608-267-7360 | evelyn.bromberg@dot.wi.gov |
| Wisconsin Department of Transportation | 2023 | \$10,000.00 | Daniel Kopacz | Evelyn Bromberg | 608-267-7360 | evelyn.bromberg@dot.wi.gov |
| Wisconsin Department of Transportation | 2024 | \$20,000.00 | Daniel Kopacz | Evelyn Bromberg | 608-267-7360 | evelyn.bromberg@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 adopt innovative technologies and optimized practices for designing, constructing, and preserving asphalt pavements. The adopted innovative technologies and practices are often developed from the collaborative research efforts supported by the state DOTs, Federal Highway Administration (FHWA), and industry. To continue fostering the development of new technologies and practices, this pooled fund study will identify and address national priority research and implementation needs for asphalt pavements that state DOTs face today and in the future. CAPRI will operate as a voluntary consortium of flexible pavement stakeholders that is open to all state, local, and federal highway agencies, industry associations, individual companies, academic institutions and research organizations. The Alabama DOT will serve as the lead state and the National Center for Asphalt Technology (NCAT) at Auburn University will handle administrative duties for the project. Each participating entity may appoint one voting representative to CAPRI.

Objectives

The goals of CAPRI are to:

- Provide technical guidance on current and evolving specifications for asphalt materials.
- Develop asphalt pavement research needs.
- Conduct small-scale studies to address knowledge gaps or explore new topics.
- Foster the implementation of practical research findings to help improve the performance, sustainability, value, and safety of asphalt pavements.
- As a consortium of all asphalt pavement stakeholders, CAPRI will be a key resource to the AASHTO Committee on Materials and Pavements, state DOTs, FHWA, and industry.