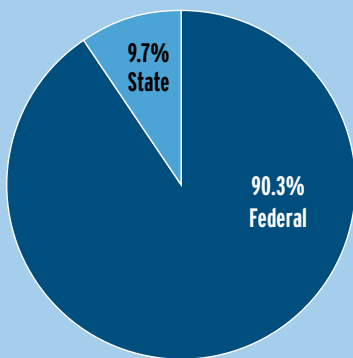


FY 2025 At-A-Glance

OCT. 1, 2024 - SEPT. 30, 2025

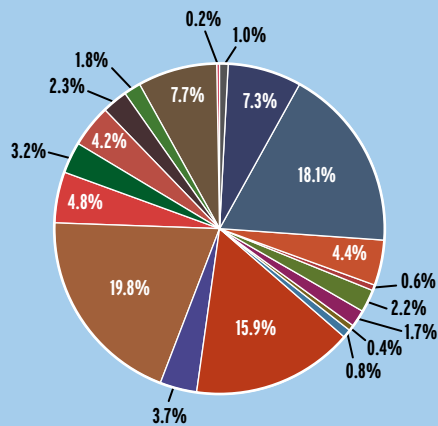
This publication presents a summary of Research and Library funding statistics and project progress for Fiscal Year (FY) 2025. The tables on pages 2 through 10 list all MDOT-funded research projects by topic area that were active or completed during 2025. These listings include both individual Michigan research projects and multi-state pooled fund projects.

FY 2025 SP&R Part II Expenditures by Funding Source



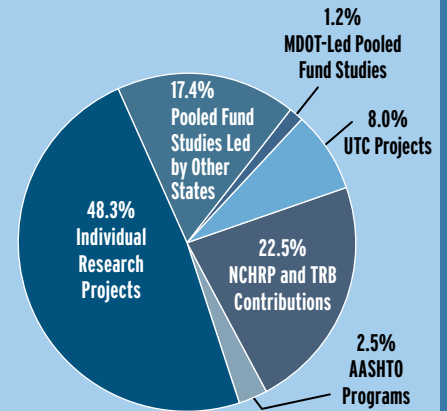
State Research Funds	\$755,933.41
Federal Research Funds	\$7,063,457.94
TOTAL	\$7,819,391.35

FY 2025 Research Project Expenditures by Focus Area



Administration	1.0%	\$58,977.98
Aviation	7.3%	\$425,733.47
Bridges and Structures	18.1%	\$1,060,800.40
Construction	4.4%	\$257,024.99
Data Inventory and Integration	0.6%	\$34,156.17
Environment and Water Resources	2.2%	\$129,519.08
Finance	1.7%	\$98,795.82
Facility Management and Operations	0.4%	\$20,987.17
Geotechnical and Foundation Design	0.8%	\$46,069.04
Intelligent Transportation Systems and Connected and Automated Vehicles	15.9%	\$930,635.27
Local Transit	3.7%	\$215,440.67
Pavements and Materials	19.8%	\$1,163,605.65
Program Development	4.8%	\$282,973.65
Project Development	3.2%	\$187,528.15
Roadway and Roadside Maintenance	4.2%	\$244,981.06
Signals	2.3%	\$132,575.20
Surveys and Automated Design	1.8%	\$108,285.70
Transportation Safety	7.7%	\$454,000.21
Travel Demand and Forecasting	0.2%	\$10,650.67
TOTAL	100%	\$5,862,740.35

FY 2025 SP&R Part II Expenditures by Type



Individual Research Projects	\$3,779,667.04
Multi-State Pooled Fund Studies	\$1,456,456.00
> Participation in Pooled Fund Studies Led by Other States	\$1,361,456.00
> Participation in MDOT-Led Pooled Fund Studies	\$95,000.00
UTC Projects	\$626,617.31
Research Project Expenditures	\$5,862,740.35
NCHRP and TRB Contributions	\$1,758,651.00
AASHTO Programs	\$198,000.00
TOTAL	\$7,819,391.35

If you require assistance accessing this information or require it in an alternative format, contact the Michigan Department of Transportation's (MDOT) Americans with Disabilities Act (ADA) coordinator at Michigan.gov/MDOT-ADA.

MDOT 2025 Research

THESE TABLES ARE ORGANIZED BY FOCUS AREA:

RESEARCH PROJECTS:

- Completed research reports that were released in FY 2025: October 2024 to September 2025.
- Research contracts that were active during FY 2025.

POOLED FUND PROJECTS:

- Multi-state transportation pooled fund studies led by MDOT.
- Other multi-state transportation pooled fund studies in which MDOT participates, either through an FY 2025 contribution or through past contributions that are still producing value for Michigan.

ABBREVIATIONS:
FAM: Focus Area Manager
RM: Research Manager

Completed project reports are available at www.Michigan.gov/MDOTResearch.

A mark in the "Spotlight" column indicates that a Research Spotlight for this project can be found at www.Michigan.gov/MDOTResearch.

"# of Participating States" for some pooled funds includes Canadian provinces and agencies such as the Federal Highway Administration (FHWA).

Research Program Committee Structure is available at:
[Research Program Committee Structure](#)

A complete FY 2025 annual report can be found at www.Michigan.gov/MDOTResearch.

Aviation										
FAM: Alicia Morrison, RM: Mary Hoffmeyer										
Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1753	Unmanned Aircraft Systems Communications Mesh Test Deployment	WSP	Wheeler	Smith	1/9/24	6/30/25	\$717,907.42	98%	\$425,733.47	X

Aviation Pooled Fund Study										
Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date	
TPF-5(556)	Uncrewed Aircraft Systems (UAS) Standardization	Smith	AK DOT&PF	17	\$0.00	\$0.00	\$125,000.00	10/1/24	9/30/29	

Bridges and Structures										
FAMs: Brad Wagner and Mike Halloran, RM: Dean Kanitz										
Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1746	Improving MDOT's Movable Bridge Reliability and Operations	HDR	Longfield	Halloran	3/17/23	5/30/25	\$349,434.06	84%	\$177,609.75	X
SPR-1745	Capacity Prediction of Repaired and Unrepaired Bridge Beams with Deteriorated Ends	WMU	Attanayake	Tempinson	10/1/22	9/30/25	\$447,365.16	93%	\$178,596.34	X
SPR-1762	Operational Baseline for the 2nd Avenue Network Arch Bridge	WMU	Attanayake	Pakala	1/1/22	12/31/25	\$280,409.23	88%	\$28,012.76	

Bridges and Structures, continued

FAMs: Brad Wagner and Mike Halloran, RM: Dean Kanitz

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Enhance Bridge Image Attribution Through Automated Post Image Processing	WMU	Attanayake	Armour	9/1/24	2/28/26	\$150,900.77	46%	\$70,155.57	
	Evaluation Model for Equitable Prioritization of Bridge Investments	LTU	Grace	Kahl	5/3/23	2/28/26	\$375,519.41	82%	\$131,758.72	
	Design Guidance Development for Continuous Prestressed CFCC Strand Beams	LTU	Grace	Kahl	10/1/23	9/30/26	\$409,190.45	20%	\$46,481.30	
	Influence of Revising CFCC Guaranteed Strength on Performance of CFCC Prestressed Highway Bridge Beams Subjected to Various Environmental Conditions	LTU	Grace	Kahl	10/1/21	9/30/26	\$484,499.23	71%	\$87,239.06	
	Statewide Overall Carbon Fiber Composite Cable Bridge Monitoring	LTU	Grace	Kahl	12/17/13	9/30/26	\$1,167,711.17	87%	\$178,995.71	
	Spun Concrete Poles: Guidelines for Fabrication, Condition Assessment, Repair, and Replacement	MTU	Darestani	O'Neill	4/10/25	11/30/26	\$195,222.01	21%	\$40,504.50	
	Replacement of Outside Beams on Adjacent Box-Beam Structures	LTU	Grace	Zarzewski	1/21/25	1/21/27	\$377,305.19	5%	\$18,020.90	
	Efficacy, Advancement, and Monitoring of Carbon Fiber Composite Cable (CFCC)	WMU	Oh	Hoffman, Krom	5/5/25	4/30/27	\$205,797.45	0%	\$974.99	

Bridges and Structures Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(436)	Development of Criteria to Assess the Effects of Pack-out Corrosion in Built-up Steel Members	Nadjarian	IN DOT	7	\$0.00	\$120,000.00	\$120,000.00	8/5/19	8/31/25
TPF-5(468)	Structural Behavior of Ultra-High Performance Concrete	Wagner	FHWA	10	\$0.00	\$50,000.00	\$50,000.00	2/1/21	12/31/25
TPF-5(486)	Center for the Aging Infrastructure: Steel Bridge Research, Inspection, Training and Education Engineering Center - SBRITE (Continuation)	Halloran	IN DOT	26	\$75,000.00	\$110,000.00	\$235,000.00	11/16/21	9/30/26
TPF-5(508)	Concrete Bridge Engineering Institute (CBEI)	Wagner	TX DOT	16	\$50,000.00	\$10,000.00	\$200,000.00	3/20/23	5/31/27
TPF-5(523)	Building Information Modeling (BIM) for Bridges and Structures - Phase II	Wagner	IA DOT	24	\$15,000.00	\$25,000.00	\$100,000.00	12/1/23	1/31/29

Construction

FAM: Ken Koepke, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Evaluation of MDOT's Methodology for Estimating Work Zone User Delay Times	WMU	Oh	Hoffman, Krom	5/3/23	2/28/26	\$375,519.41	82%	\$131,758.72	
	Evaluation of Digital Speed Limit Signs in Work Zones	MSU	Gates	Hoffman	5/5/25	4/30/27	\$205,797.45	0%	\$974.99	
	Michigan (One Point) Cone Test Evaluation University Transportation Center (UTC)	MSU	Congress	Keopke	5/16/24	5/15/26	\$90,465.63	75%	\$69,291.28	

Construction Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(438)	Smart Work Zone Deployment Initiative (FY20-FY24)	Brookes	IA DOT	9	\$0.00	\$125,000.00	\$125,000.00	8/5/19	12/31/27
TPF-5(514)	Work Zone Analytics	Brookes	IN DOT	11	\$30,000.00	\$30,000.00	\$90,000.00	5/4/23	6/30/26
TPF-5(545)	Smart Work Zone Deployment Initiative (FY25-FY29)	Brookes	IA DOT	12	\$25,000.00	\$0.00	\$125,000.00	1/2/25	12/31/29

Data Inventory and Integration

FAM: Wendi Burton, RM: Mary Hoffmeyer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Roadsoft Modernization Research Project	MTU	Colling	Reynolds	4/1/25	9/30/26	\$145,809.57	23%	\$34,156.17	

Environment and Water Resources

FAM: Hal Zweng, RM: Dean Kanitz

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1750	Michigan Hydrologic Calculation Procedures	MTU	Watkins	Carlson	11/1/21	6/30/25	\$556,935.71	99%	\$69,096.85	X
	Flood Fragility of Roads and Railroads - University Transportation Center (UTC)	MSU	Lanotte	Zweng	10/1/24	9/30/26	\$177,510.87	5%	\$4,822.23	

Environment and Water Resources Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(446)	High Performance Computational Fluid Dynamics (CFD) Modeling Services for Highway Hydraulics	Carlson	FHWA	5	\$0.00	\$80,000.00	\$80,000.00	1/28/20	9/30/25
TPF-5(460)	Flood-Frequency Analysis in the Midwest: Addressing Potential Nonstationary Annual Peak-Flow Records	Carlson	SD DOT	8	\$55,600.00	\$166,800.00	\$222,400.00	9/17/20	9/30/25
TPF-5(552)	High Performance Computational Fluid Dynamics (CFD) Modeling Services for Highway Hydraulics	Carlson	FHWA	5	\$0.00	\$0.00	\$180,000.00	2/10/25	9/30/26

Facility Management and Operations

FAM: Diane Sevigny RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1739	MDOT Fleet Electrification Strategies	Hatch	Bodarya	Sevigny	6/21/23	2/28/25	\$226,889.86	99%	\$20,987.17	X

Finance

FAM: Adam Feldpausch RM: Mary Hoffmeyer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1754	Bonding vs. Pay-Go	TX A&M	Glover	Adams	10/30/23	7/31/25	\$160,069.82	95%	\$98,795.82	X

Geotechnical and Foundation Design

FAM: Ryan Snook RM: Dean Kanitz

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Michigan Cone Penetrometer Test Calibration	UM	Hryciw	Snook	1/1/22	9/30/26	\$509,167.20	76%	\$31,310.43	
	Measurement and Performance of Riprap	UM	Garcia	Snook	12/1/25	2/28/28	\$341,527.04	0%	\$0.00	
	Characterizing Corrosion Rates and Predicting Remaining Service Life for Steel Bridge Piles	WMU	Attanayake	Snook	3/1/25	5/31/28	\$436,963.10	3%	\$14,758.61	

Geotechnical and Foundation Design Pooled Fund Study

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(433)	Behavior of Reinforced and Unreinforced Lightweight Cellular Concrete for Retaining Walls	Tichenor	UT DOT	9	\$0.00	\$30,000.00	\$30,000.00	6/14/19	1/31/26

Intelligent Transportation Systems and Connected and Automated Vehicles

FAMs: Jason Firman & Jason Bodell, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1751	Identify Best Locations for New Flex-Route Projects Throughout the State of Michigan	MSU	Savolainen	Firman	6/14/23	6/14/25	\$300,000.01	100%	\$115,191.39	X

Intelligent Transportation Systems and Connected and Automated Vehicles, continued FAMs: Jason Firman & Jason Bodell, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1752	<u>Optimizing Work Zone Conditions to Maximize Safety and Mobility</u>	MSU	Gates	Brink, Miller	6/1/23	6/26/25	\$196,477.94	100%	\$86,492.88	
	Revenue Opportunities from MDOT Fiber Infrastructure and Other Utility Types	KPMG	Ganesh	Gorman	5/27/25	11/26/25	\$459,886.00	73%	\$336,690.00	
	Effectiveness of Inductive Vehicle Charging to Alleviate EV Range Anxiety - University Transportation Center (UTC)	UM	Yin	Mueller	3/1/24	5/20/26	\$176,667.80	72%	\$101,261.00	
	Examination of Light-Based Directed Vehicle to Everything Communications Systems for Bridge Strike Detection - University Transportation Center (UTC)	UM	Lakshmanan	Gordon	10/1/25	3/30/27	\$266,955.68	0%	\$0.00	
	Multimodal 3D Perception System for Active Safety at Accident-prone Locations - University Transportation Center (UTC)	UM	Zhang	Gordon	6/2/25	6/1/27	\$432,000.00	22%	\$0.00	
	Connected and Automated Vehicles (CAVs) Readiness Survey: Are MDOT Roads Machine Readable	TBD	TBD	Gordon	TBD	TBD	\$355,860.24	0%	\$0.00	
	Enhancing Road Safety through Video Analytics and Connected Vehicles - University Transportation Center (UTC)	UM	Zhang	MackKay	TBD	TBD	\$238,446.04	0%	\$0.00	

Intelligent Transportation Systems and Signals Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(453)	Automated Vehicle Pooled Fund Study	Bodell	OH DOT	10	\$50,000.00	\$200,000.00	\$250,000.00	6/30/20	7/31/26
TPF-5(487)	Transportation Management Centers Pooled Fund Study Phase II	Peplinski	FHWA	28	\$25,000.00	\$50,000.00	\$125,000.00	11/9/21	4/16/27
TPF-5(489)	Safety Service Patrol Standardization and Management Practices	Gill	FHWA	20	\$25,000.00	\$75,000.00	\$100,000.00	12/7/21	9/30/26
TPF-5(490)	Evaluating New Technologies for Roads Program Initiatives in Safety and Efficiency (ENTERPRISE) - Phase III	Spinks	MI DOT	7	\$35,000.00	\$105,000.00	\$175,000.00	10/25/22	10/21/28
TPF-5(532)	Mid-America Association of State Transportation Officials (MAASTO) Connected Automated Vehicle Steering Committee	Bodell	MI DOT	10	\$60,000.00	\$0.00	\$150,000.00	6/11/24	9/30/28
TPF-5(547)	Traffic Safety Culture Phase 3	Powell	MT DOT	19	\$15,000.00	\$0.00	\$75,000.00	10/1/24	9/30/29
TPF-5(555)	Vehicle to Everything (V2X)	Mueller	GA DOT	21	\$50,000.00	\$0.00	\$250,000.00	3/11/25	9/30/29

Local Transit

FAM: Janet Geissler, RM: Mary Hoffmeyer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1757	<u>Marketing and Education Budget for Implementation of New Transit Technology</u>	CRAFT	Ketterl	Kent	11/27/23	11/30/25	\$298,118.22	91%	\$215,440.67	

Pavements and Materials

FAMs: Chris Byrum, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1737	Evaluation of MDOT's Methodologies for both Quantifying Pavement Distress & Modeling Pavement Performance for LCC and RSL Estimation Purposes	MSU	Kutay	Eacker	2/2/21	8/31/25	\$701,757.71	100%	\$133,831.81	
	Finite Element Method (FEM) Matrix Study for Rapid Travel Profiler Curl/Wrap Correlations - University Transportation Center (UTC)	MSU	Haider	Byrum	8/1/24	2/28/26	\$137,600.00	82%	\$60,305.60	
	Pavement ME Rehabilitation Design Protocols for MDOT Implementation	MSU	Haider	Schenkel	7/12/23	3/31/26	\$501,903.80	93%	\$128,918.83	
	Evaluation of Traffic Speed Deflectometer Data (TSD) for Potential Use in Michigan	ARA	Morovatdar	Shapter	5/1/25	10/31/27	\$532,616.59	19%	\$103,693.41	

Pavements and Materials Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(374)	Accelerated Performance Testing on the 2018 NCAT Pavement Test Track w/ MnRoad Research Partnership	Kennedy	AL DOT	19	\$0.00	\$300,000.00	\$300,000.00	10/1/20	9/30/25
TPF-5(437)	Technology Transfer Concrete Consortium (FY20-FY24)	Byrum	IA DOT	36	\$0.00	\$60,000.00	\$60,000.00	8/5/19	12/31/27
TPF-5(465)	Consortium for Asphalt Pavement Research and Implementation (CAPRI)	Miller	AL DOT	31	\$10,000.00	\$30,000.00	\$30,000.00	10/15/20	12/31/27
TPF-5(466)	National Road Research Alliance - NRRRA (Phase-II)	Kennedy	MN DOT	16	\$524,856.00	\$600,000.00	\$1,124,856.00	12/17/20	1/31/26
TPF-5(517)	Performance Centered Concrete Construction	Byrum	IA DOT	12	\$20,000.00	\$40,000.00	\$60,000.00	5/30/23	12/31/29
TPF-5(518)	Implementation of Structural Data from Traffic Speed Deflection Devices	Shapter	VA DOT	28	\$55,000.00	\$55,000.00	\$220,000.00	5/17/23	9/30/28
TPF-5(522)	National Partnership to Improve the Quality of Preventive Maintenance Treatment Construction & Data Collection Practices (PG Phase III)	Hunt	MN DOT	23	\$50,000.00	\$50,000.00	\$200,000.00	8/7/23	12/31/28
TPF-5(538)	Phase II: Continuous Asphalt Mixture Compaction Assessment using Density Profiling System (DPS)	Kaseer	MN DOT	17	\$25,000.00	\$0.00	\$100,000.00	8/12/24	9/30/28
TPF-5(544)	Technology Transfer Concrete Consortium (FY25-FY29)	Byrum	IA DOT	33	\$12,000.00	\$0.00	\$60,000.00	1/2/25	12/31/29
TPF-5(546)	Transportation Materials Resource Center	Kennedy	IA DOT	8	\$40,000.00	\$0.00	\$200,000.00	2/14/25	9/30/29

Program Development

FAM: Craig Newell, RM: Mary Hoffmeyer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1749	Research and Development of a 3-Item Transportation Security Index Mobility Measurement Tool - University Transportation Center (UTC)	UM	Murphy	Bayus, Dell	5/22/24	6/5/25	\$126,504.00	100%	\$89,270.21	X
	End-to-End Learning Framework for Transportation Network Equilibrium Modeling - University Transportation Center (UTC)	UM	Yin	Maffeo	5/28/24	10/25/25	\$124,849.33	95%	\$90,806.09	
SPR-1764	Multi-Objective Decision Analysis and Optimization Model for Transportation Investment Decision-Making at MDOT	Spy Pond Partners	Robert	Case	1/30/24	1/30/26	\$261,770.97	60%	\$102,897.35	

Project Development

FAM: Nathan Miller, RM: Dean Kanitz

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Socio Economic Impacts of Technology Based Stakeholder Engagement Platforms	MSU	Savolainen	Martin	8/21/23	8/21/26	\$355,217.92	46%	\$120,731.03	
	Evaluation and Prioritization of MDOT's Highway Rest Areas for Potential Closure	MSU	Gates	Greenway	5/1/25	12/31/26	\$199,501.40	1%	\$1,797.12	

Project Development Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(343)	Roadside Safety and Research for MASH Implementation	Torres	WS DOT	28	\$0.00	\$270,000.00	\$270,000.00	10/1/26	9/25/25
TFP-5(501)	Roadside Safety Pooled Fund - Phase 3	Torres	WS DOT	28	\$65,000.00	\$130,000.00	\$195,000.00	9/9/22	12/31/27
TFP-5(525)	2nd International Roadside Safety Conference and Peer Exchange	Schuster	FL DOT	9	\$10,000.00	\$0.00	\$10,000.00	10/1/23	9/30/24
TPF-5(556)	Designing Safer Streets	Martin	FHWA	9	\$0.00	\$0.00	\$125,000.00	10/2/24	9/30/30

Roadway and Roadside Maintenance

FAM: Justin Droste, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1755	Winter Severity Index with Winter Maintenance Expenses and Material Usage	MSU	Zockaie	Roath	2/6/23	7/5/25	\$190,000.61	100%	\$35,979.84	X
SPR-1759	Identify Mapping Techniques of Invasive Plant Species within the MDOT Right-of-Way (ROW)	MTU	Dobson	Ahlschwede	10/11/23	9/30/25	\$212,451.62	40%	\$122,596.87	
SPR-1767	Slope Restoration on Urban Freeways	MSU	Cregg	Qu	4/1/17	12/31/25	\$528,322.16	97%	\$23,404.35	

Roadway and Roadside Maintenance Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
Sol. 1562	Development of a Winter Maintenance Decision Support System (Phase 3)	Roath	SD DOT	6	\$0.00	\$0.00	\$0.00	1/2/22	9/30/25
TPF-5(347)	Development of Maintenance Decision Support System	Roath	SD DOT	15	\$0.00	\$230,000.00	\$230,000.00	6/8/16	9/30/25
TPF-5(435)	Aurora Program (FY20-FY24)	Roath	IA DOT	19	\$0.00	\$125,000.00	\$125,000.00	7/17/19	12/31/26
TPF-5(441)	No Boundaries Transportation Maintenance Innovations	Pratt	CO DOT	23	\$0.00	\$50,000.00	\$50,000.00	9/17/19	12/30/25
TPF-5(479)	Clear Roads Winter Highway Operations Pooled Fund - Phase III	Feddars	MN DOT	39	\$25,000.00	\$75,000.00	\$125,000.00	6/10/21	6/30/26

Signals

FAM: Hillary Owen, RM: Andre Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Automatic Signal Retiming Using Vehicular Trajectory Data - University Transportation Center (UTC)	UM	Liu	Seeger	5/22/24	11/30/25	\$199,999.99	95%	\$132,575.20	

Surveys and Automated Design

FAMs: Andrew Block and Brian Fish, RM: Dean Kanitz

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1756	Digital Collaboration using Industry Foundation Classes (IFC) and Building Information Model (BIM) Technology - University Transportation Center (UTC)	MSU	Cetin	Arnold	6/3/24	8/21/25	\$96,799.99	100%	\$78,285.70	X
	Digital Process Methods and Implementations for Field Applications	CRAFT	Kettrl	Douglas	3/26/25	3/25/27	\$392,228.13	0%	\$0.00	

Surveys and Automated Design Pooled Fund Study

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(480)	Building Information Modeling (BIM) for Infrastructure	Arnold	IA DOT	24	\$30,000.00	\$120,000.00	\$150,000.00	6/30/21	12/31/27

Transportation Safety

FAM: Garrett Dawe, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
SPR-1744	Examination of Lighting Practices at Crosswalks	WMU	Van Houten	Smerdon	4/24/23	1/31/25	\$170,638.15	100%	\$25,130.25	X
SPR-1748	Efficacy of Speed Warning Technologies	MSU	Gates	Uzcategui	1/23/23	5/15/25	\$234,139.79	100%	\$130,723.22	X
	Safety Effectiveness of Non-Freeway Sinusoidal Shoulder Corrugations	MSU	Gates	Bramble	4/24/24	4/24/26	\$276,213.18	35%	\$90,878.19	
	Covid and Traffic Crashes/Impact on Safety Targets	MSU	Savolainen	McQuiston	5/15/24	5/14/26	\$312,685.63	63%	\$187,268.55	

Transportation Safety Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(255)	Highway Safety Manual Implementation	Garcia	FHWA	24	\$0.00	\$100,000.00	\$100,000.00	11/9/15	12/31/25

Transportation Safety Pooled Fund Studies, continued

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
TPF-5(317)	Evaluation of Low-Cost Safety Improvements	Dawe	FHWA	43	\$0.00	\$90,000.00	\$90,000.00	2/4/15	TBD
TPF-5(444)	Traffic Safety Culture - Phase 2	Powell	MT DOT	20	\$0.00	\$50,000.00	\$50,000.00	11/8/19	9/30/24
TPF-5(447)	Traffic Control Device (TCD) Consortium (3)	Re	FHWA	36	\$20,000.00	\$80,000.00	\$100,000.00	6/2/22	2/12/25
TPF-5(515)	Evaluation of Low-Cost Safety Improvements (ELCSI-PFS)	Garrett	FHWA	20	\$15,000.00	\$15,000.00	\$75,000.00	5/8/23	9/30/28
TPF-5(516)	Highway Safety Manual Implementation (HSM2) 2nd Edition	Garcia	FHWA	22	\$16,000.00	\$32,000.00	\$80,000.00	5/2/23	9/30/27

Travel Demand and Forecasting

FAM: Karen Fausett, RM: Mary Hoffmeyer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Evaluate Speed Estimation Techniques for EPA Moves Model Input Using Big Data and Travel Demand Models for Regional Conformity Analysis	TX A&M	Li	Maffeo	6/2/25	6/1/27	\$164,053.44	6%	\$10,650.67	

Administration

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 25 Expenditures	Spotlight
	Research Administration Section Planning and Communications	CTC	Casey	Hoffmeyer	10/1/20	9/30/25	\$492,314.72	74%	\$58,977.98	
	Research Program Technology Transfer	CTC	Hirt	Hoffmeyer	10/1/25	9/30/25	\$479,459.17	0%	\$0.00	

National Initiatives

Study Number	Title	MDOT Project Manager	Lead State or Agency	# of Participating Partners	MI 2025 Expenditures	Expenditures Prior to 2025	Total MI Commitment	Start Date	End Date
SPR1801(179)	AASHTO Engineering Technical Service Programs	Clover	AASHTO/ FHWA	N/A	\$198,000.00	\$0.00	\$198,000.00	10/1/24	9/30/25
TPF-5(425)	National Cooperative Highway Research Program (NCHRP) for FY 2025	Clover	FHWA	51	\$1,522,605.00	\$0.00	\$1,522,605.00	10/1/24	9/30/25
TPF-5(557)	TRB Core Program Activities FFY 2025 (TRB FY 2026)	Clover	AASHTO/ FHWA	52	\$236,046.00	\$0.00	\$236,046.00	10/1/24	9/30/25

The Research Administration Team

MANAGEMENT

Michael Townley
Engineer of Research
517-599-7377
TownleyM@Michigan.gov

Lisa Branch
Administrative Assistant
517-281-4004
BranchL2@Michigan.gov

PROGRAM MANAGEMENT

André Clover
Research Program Manager
517-749-9001
CloverA@Michigan.gov

Mary Hoffmeyer
Research Program Specialist
517-281-3441
HoffmeyerM@Michigan.gov

Heidi Spangler
Innovation Engineer
517-230-4605
SpanglerH@Michigan.gov

PROJECT ADMINISTRATION

Dean Kanitz
Supervisor, Project Administration
517-927-3406
KanitzD@Michigan.gov

Rebecca Bowers
Research Project Analyst
517-285-1850
BowersR@Michigan.gov

Faith Rodriguez
Research Program Analyst
517-256-7084
RodriguezF1@Michigan.gov

Sarah Rottiers
Pooled Fund Analyst
517-855-8984
RottiersS@Michigan.gov

Katherine Miller
Student Assistant
517-636-4270
Miller76@Michigan.gov

LIBRARY

Jennifer Herron
Librarian
517-230-6103
HerronJ1@Michigan.gov



MISSION

Supporting and promoting innovative research
and encouraging its implementation for safe,
sustainable and cost-effective transportation
solutions that keep Michigan moving

VALUES

Quality • Customer Orientation
Teamwork • Integrity • Pride

RESEARCH SERVICES STATISTICS (FY 2025)

4 Amendments

15 Closed individual
research projects

13 New individual
research projects

55 Individual research projects

46 Pooled fund studies and other
national research initiatives

LIBRARY SERVICES STATISTICS (FY 2025)

1,082
Virtual visitors

16,634
Total circulation

82
New materials

854
Reference services

98
Library loans

CONTACT US

MDOT Research Administration

E-mail: MDOT-Research@Michigan.gov

Website: www.Michigan.gov/MDOTResearch

If you require assistance accessing this information or require it in an alternative format, contact the Michigan Department of Transportation's (MDOT) Americans with Disabilities Act (ADA) coordinator at Michigan.gov/MDOT-ADA.