

**FY 2025**

<b>RAC/Focus Area</b>	<b>MDOT Research No.</b>	<b>Title</b>	<b>Project Manager</b>	<b>Project Scheduled Completion Date</b>
Administration	OR25-018	Research Program Technology Transfer	Hoffmeyer, Mary	9/1/2030
Bridges & Structures	OR24-018	Efficacy, Advancement, and Monitoring of Carbon Fiber Composite Cable (CFCC)	Kahl, Steve	2/28/2026
Bridges & Structures	OR25-004	Replacement of Outside Beams on Adjacent Box-Beam Structures	Zakrzewski, Brian	9/1/2030
Bridges & Structures	OR25-008	Evaluation Model for Equitable Prioritization of Bridge Investments	Phaneuf, Heidi, Dowswell, Lindsey	9/30/2026
Bridges & Structures	OR25-014	Spun Concrete Poles: Guidelines for Fabrication, Condition Assessment, Repair, and Replacement	O'Neill, Michelle	9/30/2026
Construction	OR25-017	Evaluation of Digital Speed Limit Signs in Work Zones	Hoffman, Sarah	10/30/2026
Data Inventory & Integration	OR25-013	Evaluation of Roadsoft and the Modernization Data Exchange and Migration - Research Project	Toth, Michael	3/31/2026
Geotechnical & Foundational Design	OR25-005	Modeling and Assessment of the Remaining Service Life for Steel Bridge Piles in Michigan	Snook, Ryan	12/31/2027
Geotechnical & Foundational Design	OR25-016	Improve MDOT's Understanding of the Acceptance and Performance of Riprap	Snook, Ryan	11/2/2026
Intelligent Transportation Systems & Signals	OR25-012	Connected and Automated Vehicle (CAV) Readiness Survey: Are MDOT Roads Machine Readable	Bodell, Jason	4/30/2027

Intelligent Transportation Systems & Signals	OR25-015	Enhancing Road Safety through Video Analytics and Connected Vehicles	Day, Caitlin	12/31/2026
Pavement & Materials	OR25-002	Identify the Most Cost-Effective Base/Subbase Thicknesses for Frost-Heave Protection and Structural Support	Eacker, Mike	9/30/2027
Pavement & Materials	OR26-006	Evaluation of Traffic Speed Deflectometer Data (TSD) for Potential Use in Michigan	Eacker, Mike	3/31/2027
Project Development	OR25-007	Evaluation and Prioritization of MDOT's Highway Rest Areas for Potential Closure	Greenway, Jane	9/30/2026
Travel Demand Forecasting	OR25-010	Evaluate Speed Estimation Techniques for EPA Moves Model Input Using Big Data and Travel Demand Models for Regional Conformity Analysis	Maffeo, Robert	1/31/2027
Workforce Development & Organizational Effectiveness	OR25-009	Paving the Way for Diversity: A Comprehensive Analysis of Diversity, Equity, and Inclusion (DEI) Challenges and Opportunities within the Michigan Department of Transportation (MDOT)	Keisling, Brenda	1/15/2027

<b>FY2026</b>				
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Bridges & Structures	OR26-003	Guidelines and Best Practices for Determining the Life Cycle Cost of Various Superstructure Types	Johnson, Chris	9/30/2027
Bridges & Structures	OR26-005	High Load Hit Prevention	Ranck, Tom	9/30/2027
Intelligent Transportation Systems & Signals	OR26-007	Traffic Signal Pre-emption effectiveness in Michigan	Owen, Hilary	5/31/2027
Pavement & Materials	OR25-002	Identify the Most Cost-Effective Base/Subbase Thicknesses for Frost-Heave Protection and Structural Support	Eacker, Mike	9/30/2027
Pavement & Materials	OR25-011	Validation and Recalibration of the Pavement Distress Score	Eacker, Mike	12/31/2027
Project Development	OR26-001	Evaluate PVC Water Main Materials in Roadway Projects	Brown, Ryan	3/31/2027
Transportation Safety	OR26-002	Evaluate Traffic Control Devices Viable Use to Reduce Speeding Behavior at High-Low Speed Zone Locations in Michigan	Uzcategui, Alonso	11/30/2027
<b>FY2027</b>				
<b>RAC/Focus Area</b>	<b>MDOT Research No.</b>	<b>Title</b>	<b>Project Manager</b>	<b>Project Scheduled Completion Date</b>
Bridges & Structures	OR27-001	Development of Michigan Specific Guidelines for the Service Life Design of Bridges and Retaining Walls	Kopper, Kyle	11/30/2029
Transportation Safety	OR27-002	Evaluation of MDOT's Systemic Highway Safety Program	McQuiston, Carrisa	11/30/2029
Pavement & Materials	OR27-003	Identify Impact of Heavy and Overweight Trucks on Pavements in Michigan	Kaseer, Fawaz	9/30/2028
Surveys & Automated Design	OR27-005	AI Use Cases and Implementations in the Transportation Sector	Block, Andrew	8/31/2028