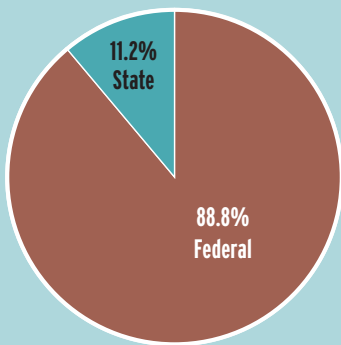


FY2013 At-A-Glance

OCTOBER 1, 2012 - SEPTEMBER 30, 2013

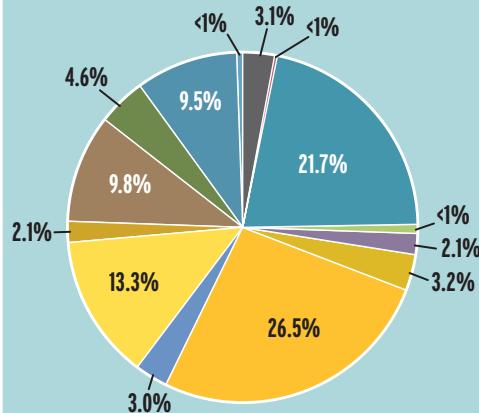
This publication presents a summary of Research and Library funding statistics and project progress for Fiscal Year (FY) 2013. The tables on pages 2 through 7 list all MDOT-funded research projects by topic area that were active or completed during 2013. These listings include both individual Michigan research projects and multi-state pooled fund projects.

FY 2013 SP&R Part II Expenditures by Funding Source



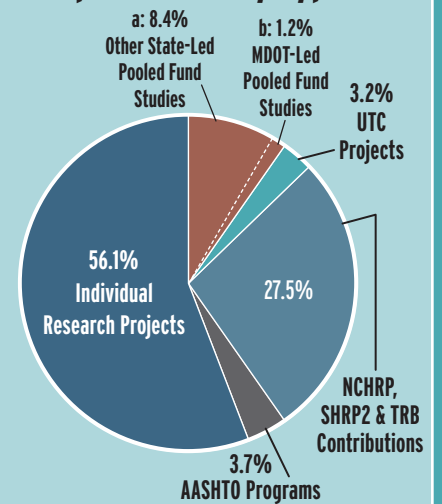
State Research Funds	\$ 667,141.09
Federal Research Funds	\$ 5,276,587.26
TOTAL	\$ 5,943,728.35

FY 2013 Research Project Expenditures by Focus Area



Administrative	\$ 126,178.11
Asset Management	\$ 6,212.27
Bridges & Structures	\$ 889,708.70
Environment & Water Resources	\$ 27,200.00
Freight Rail	\$ 85,827.95
Geotechnical & Foundation Design	\$ 130,083.58
Intelligent Transportation Systems	\$ 1,084,659.94
Local Transit	\$ 122,072.86
Maintenance	\$ 544,843.47
Mobility, Systems & Signal Operations	\$ 84,353.22
Pavements & Materials	\$ 402,653.26
Rest Areas, Utilities & Landscaping	\$ 188,578.92
Transportation Safety	\$ 387,222.50
Workforce Development	\$ 12,162.11
TOTAL	\$ 4,091,756.89

FY 2013 SP&R Part II Expenditures by Type



Individual Research Projects	\$ 3,335,705.45
Multi-State Pooled Fund Studies	
a: Participation in Pooled Fund Studies Led by Other States	\$ 497,000.00
b: Participation in MDOT-Led Pooled Fund Studies	\$ 70,000.00
UTC Projects	\$ 189,051.44
Research Project Expenditures	\$ 4,091,756.89
NCHRP, SHRP2 & TRB Contributions	\$ 1,633,971.46
AASHTO Programs	\$ 218,000.00
TOTAL	\$ 5,943,728.35

MDOT 2013 Research

THESE TABLES ARE ORGANIZED BY FOCUS AREA:

RESEARCH PROJECTS:

- Completed research reports
- Research contracts that were active during FY 2013

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 2013 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.

"Number of Participating States" for some pooled funds
includes Canadian provinces and agencies such as FHWA.

A complete Fiscal Year 2013 annual report can be found at www.michigan.gov/mdotresearch.

Asset Management

FAM: Bill Tansil, RM: Mark Polsdofer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
	Evaluating Roadway Surface Rating Technologies	UM	Belzowski	Tansil	8/20/13	7/8/14	\$161,657.01	4%	\$6,212.27	

Bridges & Structures

FAMs: Dave Juntunen and Matthew Chynoweth, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1541	Skewed Bridges	WSU	Fu	Jansson	7/12/07	9/30/10	\$214,975.71	100%	\$7,565.74	
RC-1571	Identification of Causes and Solution Strategies for Deck Cracking in Jointless Bridges	MSU	Burqueño	Burns	10/20/09	5/31/12	\$169,968.00	100%	\$0.00	
RC-1586	Implementation of Sustainable and Green Design and Construction Practices for Bridges	MSU	Korkmaz	Larkins	10/1/10	12/31/12	\$99,819.00	100%	\$0.00	
RC-1587	Development and Validation of Models for Concrete Bridge Decks	MSU	Burqueño	Jansson	10/20/09	12/31/12	\$299,747.00	100%	\$43,472.22	
RC-1589	Review and Revision of Overload Permit Classification	Michael Baker Jr. Inc.	Spangler	Wagner	10/1/10	2/28/13	\$209,405.64	100%	\$81,630.20	X
RC-1597	Non-Destructive Evaluation Seminar	WMU	Aktan	Kahl	1/1/13	9/30/13	\$24,999.52	100%	\$24,908.27	
	Improving Bridges with Prefabricated Precast Concrete Systems	WMU	Aktan	Juntunen	10/1/10	12/31/13	\$400,672.27	92%	\$87,750.44	
	Side-by-Side Probability for Bridge Design and Analysis	WSU	Eamon	Yalda	10/1/12	4/15/14	\$102,239.41	75%	\$74,638.22	
	Accelerated Bridge Construction and Structural Move Workshop	WMU	Aktan	Chynoweth	8/31/13	6/30/14	\$36,541.61	0%	\$0.00	
	Evaluation of Prestressed Concrete Beams in Shear	WSU	Eamon	Kulkarni	10/1/11	9/30/14	\$297,774.10	82%	\$116,651.84	
	Evaluating Prestressing Strands and Post-Tensioning Cable in Concrete Structures Using Non-Destructive Evaluation (NDE) Methods Including Joint Shear Wave Analysis	LTU	Jensen	Curtis	10/1/12	9/30/14	\$249,999.97	40%	\$99,792.04	
	Design and Construction Guidelines for Strengthening Bridges Using Fiber Reinforced Polymers (FRP)	WSU	Eamon	Kahl	10/1/12	9/30/14	\$163,854.14	30%	\$45,276.10	

Bridges & Structures, cont.

FAMs: Dave Juntunen and Matthew Chynoweth, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
	Remote Monitoring of Fatigue Sensitive Details on Bridges	WMU	Attanayake	Kahl	10/1/12	9/30/14	\$286,529.00	27%	\$73,130.19	
	Evaluation of Bridge Decks Using Non-Destructive Evaluation (NDE) at Near Highway Speeds for Effective Asset Management	MTU	Ahlborn	Burns	11/1/12	10/31/14	\$243,251.57	42%	\$102,800.70	
	Development, Characterization and Applications of a Non-Proprietary Ultra High Performance Concrete for Highway Bridges	UM	El-Tawil	Kahl	3/30/13	3/30/15	\$311,125.21	17%	\$52,092.74	
	Bridge Design System Analysis and Modernization	MTU	Colling	Guerrazzi	11/1/13	11/30/15	\$551,176.40	0%	\$0.00	
	Statewide Overall Carbon Fiber Composite Cable Bridge Monitoring	TBD	TBD	Chynoweth	FY 2014	9/30/19	\$300,000.00	0%	\$0.00	

Bridges & Structures Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
TPF-5(174)	Construction of Crack-Free Bridge Decks, Phase II	Stallard	KS DOT	14	\$10,000.00	\$60,000.00	\$70,000.00	10/1/08	9/30/13	9/30/13
TPF-5(247)	Field Testing Hand-Held Thermography Inspection Technologies, Phase II	Kathrens	MO DOT	12	\$60,000.00	\$0.00	\$60,000.00	11/10/11	9/30/13	9/30/13
TPF-5(254)	Evaluation and Analysis of Decked Bulb T Beam Bridge	Juntunen	MI DOT	5	\$0.00	\$120,439.75	\$367,200.00	9/19/11	9/30/14	9/30/14
TPF-5(271)	Reorganization of Section 5, Concrete Structures, of the AASHTO LRFD Bridge Design Specifications	Chynoweth	KS DOT	17	\$10,000.00	\$0.00	\$30,000.00	10/1/12	9/30/15	9/30/15

Environment & Water Resources

FAM: Kristin Schuster, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1598	Greenhouse Gas Inventory for the Michigan Department of Transportation	FTCH	Buckler	Annelin	9/16/11	12/31/13	\$68,000.00	60%	\$27,200.00	

Freight Rail

FAM: Kris Foondle, RM: Mark Polsdofer

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1578	Timing Issues for Traffic Signals Interconnected with Highway-Railroad Grade Crossings	WSU	Datta	Foondle	8/1/11	3/1/13	\$89,758.00	100%	\$18,849.37	

Freight Rail Pooled Fund Study

Study #	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
116234	National University Rail Center for Research, Education and Technology Transfer (NURails)	D'Lamater	MTU	N/A	\$66,978.58	\$0.00	\$99,470.00	10/8/12	1/31/14	1/31/14

Geotechnical & Foundation Design

FAM: Dick Endres, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1557	Feasibility of Digital Imaging to Characterize Earth Materials	UM	Hryciw	Endres	10/1/10	12/31/11	\$129,707.10	100%	\$0.00	
	Effect of Pile-Driving Induced Vibrations on Nearby Structures and Other Assets	UM	Zekkos	Endres	10/1/11	10/31/13	\$229,370.76	85%	\$95,197.75	
	Predictive Modeling of Freezing and Thawing of Frost-Susceptible Soils	MSU	Khire	Endres	10/1/12	9/30/14	\$99,453.00	35%	\$34,885.83	

Geotechnical & Foundation Design Pooled Fund Study

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
TPF-5(285)	Standardizing Lightweight Deflectometer Measurements for OA and Modulus Determination in Unbound Bases and Subgrades	Endres	MD DOT	8	\$0.00	\$0.00	\$50,000.00	10/1/13	9/30/14	9/30/14

Intelligent Transportation Systems

FAM: Matt Smith, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1568	Usage and Impact of the Michigan Vehicle Infrastructure Integration (VII) Program	Mixon Hill	Mixon	Cook	2/15/07	8/31/11	\$3,500,000.00	100%	\$0.00	
RC-1573	Slippery Road Detection and Evaluation	UM	Robinson	Cook	10/20/09	6/1/12	\$250,000.00	100%	\$0.00	
	Advanced Applications of IntelliDrive Data Use Analysis and Processing 2 (DUAP2)	Mixon Hill	Mixon	Castle	8/9/11	6/30/14	\$3,689,576.45	43%	\$954,244.79	
	Infrastructure Monitoring Data Management	Alfred Benesch	Darwish	Cook	9/30/09	4/1/15	\$215,422.36	46%	\$0.00	
	Costs and Benefits of MDOT Intelligent Transportation System Deployments	WMU	Oh	Castle	6/3/13	4/30/15	\$233,394.69	5%	\$10,415.15	

Intelligent Transportation Systems Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
TPF-5(206)	Research Program to Support the Research, Development and Deployment of System Operations Applications of Vehicle Infrastructure Integration (VII)	Smith	VA DOT	15	\$50,000.00	\$0.00	\$100,000.00	10/1/12	9/30/14	9/30/14
TPF-5(231)	ITS Pooled Fund Program (ENTERPRISE)	Nederveld	MI DOT	15	\$70,000.00	\$70,000.00	\$175,000.00	10/1/09	9/30/14	9/30/14

Local Transit Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
116226	A Study of Factors That Inhibit and Enable Effective Development of Sustainable Regional Transit Systems in Southeastern Michigan	Edgar	UDM	N/A	\$79,572.82	\$3,472.00	\$100,000.00	7/1/12	12/31/13	12/31/13
116233	A Study on the Remanufacturing, Repurposing and Recycling of Lithium-Ion Batteries in Public Transit Vehicles	Fandialan	GVSU	N/A	\$42,500.04	\$5,917.19	\$50,000.05	9/19/12	12/31/13	12/31/13

Maintenance

FAM: Gary Mayes, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
	Monitoring Highway Assets with Remote Technology	Dye Management	Zilay	Croze	7/31/12	1/31/14	\$489,997.00	83%	\$373,525.00	
	Evaluating the Use of Unmanned Aerial Vehicles (UAVs) for Transportation Purposes	MTU	Brooks	Cook	5/22/13	11/30/14	\$240,898.91	21%	\$43,473.44	
	Evaluating the Use of Tow Plows	LTU	Bandara	Croze	3/30/13	3/30/15	\$186,661.15	4%	\$17,845.03	

Maintenance Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
TPF-5(054)	Development of Maintenance Decision Support System	Cook	SD DOT	20	\$85,000.00	\$25,000.00	\$110,000.00	6/1/12	9/30/13	9/30/13
TPF-5(218)	Clear Roads Winter Highway Operations Pooled Fund	Croze	MN DOT	26	\$25,000.00	\$75,000.00	\$100,000.00	10/1/09	9/30/13	9/30/13

Mobility, Systems & Signal Operations

FAM: Steve Cook, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1581	Best Practices for Emergency Rerouting	Kimley Horn	Dunzo	Kremer	10/4/11	9/30/12	\$178,082.00	100%	\$0.00	
RC-1583	Implementation of Quick Clearance in Michigan	Cambridge Systematics	Krechmer	Kremer	10/1/11	9/30/12	\$185,254.98	100%	\$0.00	X
RC-1584	Transportation Reliability and Trip Satisfaction	WSU	Gates	Firman	10/1/11	12/31/12	\$172,901.00	100%	\$4,871.51	
	Evaluating Michigan Commercial Vehicle Enforcement Strategies and Facilities	WMU	Kwigizile	Firman	5/7/13	3/30/15	\$268,560.45	8%	\$17,751.05	
	Balancing the Costs of Mobility Investments in Work Zones	WSU	Savolainen	Owen	6/19/13	5/15/15	\$250,000.00	5%	\$11,730.66	

Mobility, Systems & Signal Operations Pooled Fund Study

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
SPR-2(207)	Transportation Management Center (TMC) Pooled Fund Study	Peplinski	FHWA	N/A	\$50,000.00	\$0.00	\$100,000.00	7/22/13	9/30/15	9/30/15

Pavements & Materials

FAMs: Curtis Bleech and John Staton, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1574	Improved Performance of JPCP Overlays	UM	Hansen	Krom	10/20/09	5/15/12	\$333,956.31	100%	\$0.00	
RC-1591	Alternative Materials for Sustainable Transportation	MTU	You	Maack	11/13/09	12/31/12	\$299,960.16	100%	\$15,564.52	
RC-1579	Cost-Effectiveness of the MDOT Preventive Maintenance Program	APT	Peshkin	Chelotti	10/1/10	3/31/13	\$179,988.00	100%	\$27,437.74	

Pavements & Materials, cont.

FAMs: Curtis Bleech and John Staton, RM: André Clover

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
	Evaluating the Financial Cost and Impact on Long-Term Pavement Performance of Expediting Michigan's Road Construction Work	MSU	El-gafy	Grazioli	10/1/11	10/30/13	\$66,756.87	83%	\$21,880.31	
	Preparation of Implementation of the Mechanistic-Empirical Pavement Design Guide in Michigan	MSU	Buch	Eacker	10/1/11	9/30/14	\$400,000.00	75%	\$155,770.69	X

Pavements & Materials Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
TPF-5(159)	Technology Transfer Concrete Consortium (TTCC)	Staton	IA DOT	24	\$10,000.00	\$35,000.00	\$59,000.00	10/1/08	9/30/15	9/30/15
TPF-5(183)	Improving the Foundation Layers for Concrete Pavements	Grazioli	IA DOT	7	\$35,000.00	\$140,000.00	\$175,000.00	10/1/08	9/30/13	9/30/13
TPF-5(215)	Transportation Engineering and Road Research Alliance (TERRA)	Clover	MN DOT	6	\$7,000.00	\$16,500.00	\$30,500.00	10/1/09	9/30/14	9/30/14
TPF-5(224)	Investigation of Jointed Plain Concrete Pavement Deterioration at Joints and the Potential Contribution of Deicing Chemicals	Staton	IA DOT	9	\$15,000.00	\$45,000.00	\$60,000.00	10/1/09	9/30/13	9/30/13
TPF-5(225)	Validation and Implementation of Hot-Poured Crack Sealant	Bennett	VA DOT	9	\$50,000.00	\$50,000.00	\$100,000.00	10/1/09	9/30/13	9/30/13
TPF-5(242)	Traffic and Data Preparation for AASHTO MEPDG Analysis and Design	Eacker	LA DOT	8	\$25,000.00	\$25,000.00	\$50,000.00	6/1/12	8/31/14	8/31/14
TPF-5(269)	Development of an Improved Design Procedure for Unbonded Concrete Overlays	Krom	MN DOT	8	\$40,000.00	\$0.00	\$60,000.00	4/13/12	9/30/14	9/30/14
TPF-5(286)	Next Generation Concrete Pavement Road Map	Staton	IA DOT	5	\$0.00	\$0.00	\$75,000.00	10/1/12	9/30/17	9/30/17

Rest Areas, Utilities & Landscaping

FAM: Terry Frake, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1596	Roadside Corridor Planning	WSU	Gates	Lynwood	6/30/12	8/30/13	\$190,000.00	100%	\$178,426.35	X
	Re-Examination of the 1994 and Subsequent Sewer and Culvert Installations of Various Pipe Types, Sizes and Depths	URS	Guter	Kline	5/25/11	12/20/13	\$550,905.00	98%	\$10,152.57	

Transportation Safety

FAM: Mark Bott, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1555	Safety Analysis of 4-Lane to 3-Lane Conversions (Road Diets) in Michigan	MSU	Lyles	Leix	10/1/10	12/31/11	\$149,281.00	100%	\$0.00	X
RC-1565	Evaluating Performance and Making Best Use of Passing Relief Lanes	Opus International	Bagdade	Kanitz	10/1/10	12/31/11	\$159,887.20	100%	\$0.00	
RC-1566	Evaluating the Performance and Effectiveness of Roundabouts	Opus International	Bagdade	Kanitz	10/1/10	12/31/11	\$149,576.66	100%	\$0.00	
RC-1572	Sharing the Road: Optimizing Pedestrian and Bicycle Safety and Vehicle Mobility	TY Lin	LaPlante	Thompson	10/1/10	4/30/12	\$199,751.95	100%	\$0.00	
RC-1585	Evaluating Pedestrian Safety Improvements	WMU	VanHouten	Thompson	10/1/10	12/31/12	\$199,998.86	100%	\$44,801.30	
RC-1592	Transportation Patterns of Older Drivers in Rural Michigan	UM	Eby	Lariviere	10/1/11	12/31/12	\$227,897.93	100%	\$11,123.37	X

Transportation Safety, cont.

FAM: Mark Bott, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1603	Development of Performance Measures for Non-Motorized Dynamics	WMU	Oh	Thompson	10/1/12	12/31/13	\$201,851.00	85%	\$169,598.47	
	Evaluating Differential and Non-Differential Freeway Truck and Bus Speed Limits	WSU	Savolainen	Firman	2/26/13	5/1/14	\$175,060.61	15%	\$26,225.03	
	Evaluation of Non-Freeway Rumble Strips, Phase II	WSU	Datta	Morena	2/8/13	9/30/14	\$249,999.90	28%	\$54,608.59	
	Study of High-Tension Cable Barrier on Michigan Roadways	WSU	Savolainen	Torres	10/1/11	12/31/14	\$223,895.17	56%	\$80,865.74	
	Michigan Urban Trunkline Intersections Safety Performance Function (SPFs) Development and Support	WSU	Savolainen	Kanitz	9/1/13	5/31/15	\$250,100.20	0%	\$0.00	

Workforce Development

FAMs: Don Whiteside and Todd White, RM: Michael Townley

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
RC-1582	Examining the Disadvantaged Business Enterprise (DBE) Program	UM	Davis	Collins	10/1/10	11/30/12	\$193,065.02	100%	\$12,162.11	X

Administrative

Report Number	Title	Contractor	Investigator	Project Manager	Start Date	End Date	Total Budget	% Complete	FY 13 Expenditures	Spotlight
	Research Administration Section Planning and Communications	CTC	Casey	Polsdofer	1/31/12	9/30/14	\$239,863.00	72%	\$101,178.11	

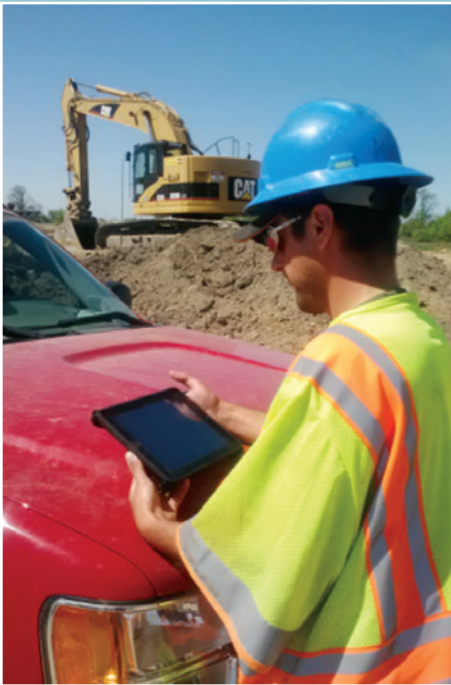
Administrative Pooled Fund Studies

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2011 Commitment	Expenditures Prior to 2011	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
TPF-5(209)	Support of the Transportation Curriculum Coordination Council (TCCC)	Chaput	FHWA	18	\$20,000.00	\$60,000.00	\$100,000.00	10/1/09	9/30/14	9/30/14
TPF-5(237)	Transportation Library Connectivity and Development	Briseno	MO DOT	27	\$5,000.00	\$15,000.00	\$25,000.00	5/1/11	9/30/14	9/30/14

National Initiatives

Study Number	Title	MDOT Project Manager	Lead State or Agency	Number of Participating States	MI 2013 Expenditures	Expenditures Prior to 2013	Total MI Commitment	Start Date	End Date	Current MI Commitment End Date
115024	Environmental Technical Assistance Program (ETAP)	Barondess	AASHTO	N/A	\$8,000.00	\$0.00	\$24,000.00	10/1/12	9/30/15	9/30/15
115193	AASHTO Engineering Technical Service Programs	Clover	AASHTO	N/A	\$85,000.00	\$0.00	\$85,000.00	10/1/12	9/30/13	9/30/13
121242	AASHTOWare Bridge Management Software: PONTIS 5.2	Curtis	AASHTO	N/A	\$125,000.00	\$0.00	\$250,000.00	10/1/12	9/30/14	9/30/14
SHR-2(013)	SHRP 2 Implementation	Clover	FHWA	N/A	\$398,387.00	\$0.00	\$399,960.00	10/1/12	9/30/13	9/30/13
TPF-5(277)	Core Program Services for a Highway RD&T Program: FY 2013 (TRB FY 2014)	Clover	FHWA	N/A	\$181,766.00	\$0.00	\$206,710.00	10/1/12	9/30/13	9/30/13
TPF-5(413)	National Cooperative Highway Research Program (NCHRP) for FY 2013	Clover	FHWA	N/A	\$1,053,818.46	\$0.00	\$1,150,000.00	10/1/12	9/30/13	9/30/13

The Research Administration Team



MISSION

Promoting innovative research for economic benefit and improved quality of life

VALUES

Quality
Teamwork
Customer Orientation
Integrity
Pride



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