



RESEARCH SERVICES

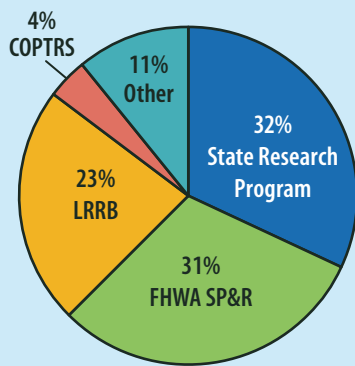
Office of Policy Analysis, Research & Innovation

FY2011 At-A-Glance

July 1, 2010, through June 30, 2011

This publication provides key research and library statistics, a directory of Research Services staff and a list of research contracts active during Minnesota Fiscal Year 2011. This list includes all reports produced during the year as well as the multi-state pooled funds to which MnDOT has contributed.

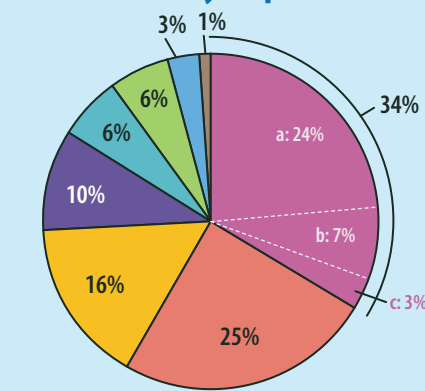
FY2011 Research Funds by Funding Source



State Research Program	\$3,245,222
FHWA State Planning and Research (Part II)	\$3,190,840
Local Road Research Board	\$2,308,800
Cooperative Program for Transportation Research and Studies	\$357,929
Other*	\$1,117,087
Total	\$10,219,878

*Includes federal funding sources and contributions from other MnDOT offices (Maintenance, Traffic, Materials, Investment Management and Policy Analysis, Research & Innovation); MnDOT districts; other state agencies; the Twin Cities Metropolitan Council; and the University of Minnesota Intelligent Transportation Systems Institute.

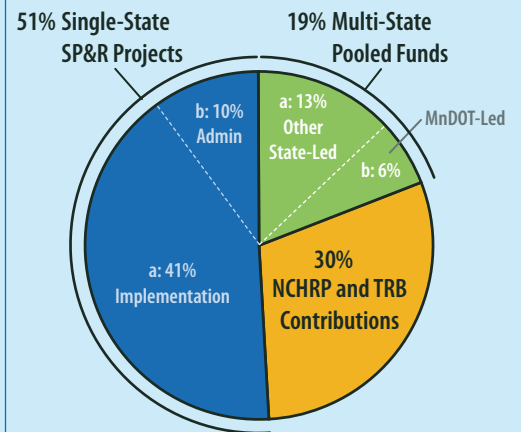
FY2011 Research Funds Allocated by Topic Area*



Administrative	
a: Dedicated Programs (CTS & LTAP)	\$ 1,731,505
b: Research Administration	\$ 501,374
c: LRRB/RIC Administration	\$ 244,303
	\$ 2,477,182
Materials & Construction	\$ 1,813,507
Traffic & Safety	\$ 1,135,410
Policy & Planning	\$ 727,182
Bridge & Structures	\$ 435,308
Environmental	\$ 406,888
Maintenance Operations & Security	\$ 224,353
Multimodal	\$ 91,650
Total	\$ 7,311,480

*Includes only projects with contracts maintained by MnDOT Research Services.

2011 SP&R Part II Funding Distribution*



Single-State SP&R Projects	
a: Implementation	\$ 1,127,764
b: Program and Administrative Support	\$ 272,000
	\$ 1,399,764

Multi-State Pooled Funds	
a: Participation in Pooled Funds Led by Other States	\$ 368,710
b: MnDOT-Led Pooled Funds	\$ 151,700
	\$ 520,410
NCHRP and TRB Contributions	\$ 829,690

Total	\$2,749,864
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*SP&R commitments are tracked by calendar year.

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MnDOT 2011 Research

THESE TABLES ARE ORGANIZED BY RESEARCH TOPIC AREA:

RESEARCH PROJECTS:

- Completed research reports and and transportation research syntheses that were released in fiscal year 2011: July 2010 to June 2011
- Research contracts with end dates during FY2011 that did not result in a final report
- Other research contracts active during FY2011, including some tasks or contracts that are part of larger programs that MnDOT tracks individually

POOLED FUND TABLES*:

- Multi-state transportation pooled fund studies led by MnDOT
- Other multi-state transportation pooled fund studies in which MnDOT participates, either through a calendar year 2010 or 2011 contribution or through past contributions that are still producing value for Minnesota

*Project titles are active hyperlinks in the online PDF version of this document.

FUNDING SOURCE KEY

- COPTRS** Cooperative Program for Transportation Research and Studies
- LRRB** Local Road Research Board
- SRP** MnDOT State Research Program
- SP&R** State Planning and Research (FHWA)
- PF** Partnership Funds

Click the blue "X" in the "TS" column for a PDF download of the Technical Summary for the project. Technical Summaries are also found in the 2010 Annual Report or at www.research.dot.state.mn.us.

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

Bridges & Structures

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-14	89261 W0112	Bridge Scour Monitoring Technologies: Development of Evaluation and Selection Protocols for Application on River Bridges in Minnesota	University of Minnesota	Jeff Marr	Andrea Hendrickson	Shirlee Sherkow	9/26/08	1/31/11	SRP	\$60,000	\$60,000	100%	X
2010-39	89261 W0144	Development of an Advanced Structural Monitoring System	University of Minnesota	Arturo Schultz	Moises Dimaculangan	Shirlee Sherkow	6/25/09	12/31/10	SRP	\$79,925	\$79,925	100%	X
2011-19	89261 W0152	INV 891: Performance Assessment of Oversized Culverts to Accommodate Fish Passage	University of Minnesota	John Nieber	Petronella DeWall, Nicole Danielson-Bartelt	Nelson Cruz	8/7/09	8/31/11	LRRB, SRP, COPTRS	\$83,428	\$78,917	95%	
N/A	97466	Implementing a Database Classification of MnDOT Steel Bridges with Fracture/Fatigue Critical Details	University of Minnesota	Arturo Schultz	James Pierce	Bruce Holdhusen	8/31/10	5/31/11	SRP	\$5,000	\$5,000	100%	
N/A	89261 W0142	Full Depth Precast Concrete Bridge Deck System—Phase II (inverted tee)	University of Minnesota	Cathy French	Keith Molnau	Daniel Warzala	7/30/09	10/31/12	SRP	\$165,000	\$0	0%	
N/A	89261 W0145	Wakota Bridge Monitoring Program	University of Minnesota	Arturo Schultz	Arielle Ehrlich	Shirlee Sherkow	6/19/09	5/31/12	SRP	\$195,000	\$111,697	57%	
N/A	89261 W0183	Development of an Advanced Warning System for Fracture Critical Steel Bridges—Phase II	University of Minnesota	Arturo Schultz	Moises Dimaculangan	Shirlee Sherkow	9/24/10	3/30/12	SRP	\$68,000	\$21,674	32%	
N/A	89261 W0192	Inspection of In-Place Bridges Constructed with Grouted Post-Tensioning Ducts	University of Minnesota – Duluth	Andrea Schokker	Paul Kivisto	Shirlee Sherkow	7/8/10	5/31/12	None	\$123,195	\$41,886	34%	
N/A	89261 W0200	Validation of Prestressed Concrete I-Beam Deflection and Camber Estimates	University of Minnesota	Cathy French	Brian Homan	Daniel Warzala	5/11/10	7/31/12	None	\$100,000	\$5,000	5%	
N/A	89261 W0244	A Research Plan and Factors Effecting Service Life for Culvert Pipe Materials in Minnesota	University of Minnesota	Jeff Marr	Andrea Hendrickson	Shirlee Sherkow	4/18/11	9/30/12	SRP	\$29,999	\$4,842	16%	
N/A	89261 W0261	MPR-0(004): Scour Monitoring Technology Implementation	University of Minnesota	Jeff Marr	Andrea Hendrickson	Shirlee Sherkow	4/18/11	5/31/14	SP&R, SRP	\$38,233	\$2,045	5%	
N/A	95439	MPR-9(002): Concrete Bridge Deck Crack Sealant Evaluation and Implementation	Braun Intertec Corporation	Matthew Oman	Edward Lutgen	Daniel Warzala	9/30/09	3/31/13	SP&R, SRP	\$80,918	\$16,672	21%	
N/A	96271	Synthesis of Bridge Approach Panel Best Practices	Minnesota State University, Mankato	Farhad Reza	Paul Rowekamp	Shirlee Sherkow	7/15/10	5/31/13	SRP	\$25,000	\$15,304	61%	

Bridges & Structures [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	96272	Load and Resistance Factor Design (LRFD) Pile Driving Project-Phase II Study	Minnesota State University, Mankato	Aaron Budge	Paul Rowekamp, Gary Person	Nelson Cruz	8/18/10	10/31/12	SRP	\$120,000	\$0	0%	
N/A	97835	Bridge Deck Delam Inspection Technology Evaluation and Development of Best Practices	EVS	Paul Keranen	Duane Green	Bruce Holdhusen	11/4/10	9/30/11	SRP	\$52,026	\$31,409	60%	
N/A	97918	Clarification of NBIS Laws and MnDOT Bridge Policies	HDR Engineering	Nick Sovell	Thomas Styrbicki	Bruce Holdhusen	12/10/10	7/31/12	SRP	\$19,971	\$6,411	32%	
N/A	98166	MPR-9(004): Load and Resistance Factor Design (LRFD) Pile Driving Static Load Test Data Collection (LRFD Implementation)	American Engineering Testing, Inc.	Gregory Reuter	Derrick Dasenbrock	Bruce Holdhusen	1/21/11	1/31/12	SP&R, SRP	\$99,750	\$50,710	51%	
N/A	98511	MPR-0(005): Bridge Deck Cracking TRS	American Engineering Testing, Inc.	Dave Rettner	Ronald Mulvaney	Shirlee Sherkow	3/22/11	11/30/11	SP&R, SRP	\$5,000	\$0	0%	
N/A	98640	MPR-0(005): Analysis of Bridge Deck Cracking Data	American Engineering Testing, Inc.	Dave Rettner	Ronald Mulvaney	Shirlee Sherkow	5/25/11	7/31/12	SP&R, SRP	\$45,599	\$0	0%	

Pooled Fund Studies

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(174)	Construction of Crack-Free Bridge Decks, Phase II	Paul Kivisto	Debra Fick	KS	14	2011	\$995,000	\$75,000	\$15,000	\$15,000	
TPF-5(179)	Evaluation of Test Methods for Permeability (Transport) and Development of Performance Guidelines for Durability	Bernard Izevbekhai	Debra Fick	IN	11	2011	\$883,000	\$87,000	\$25,000	\$12,000	
TPF-5(202)	HY-8 Culvert Analysis Program—Phase Three of Development Efforts	Petronella DeWall	Debra Fick	FHWA	8	2011	\$155,000	\$30,000	\$10,000	\$0	
TPF-5(221)	Accelerated Bridge Construction (ABC) Decision Making and Economic Modeling Tool	Kevin Western	Debra Fick	OR	7	2010	\$110,000	\$10,000	\$10,000	\$0	

Environmental

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-20	92929	MPR-6(032): Site Specific Native Grassland Seed Mix Design Methodology for Minnesota	Scale Tec LTD	L. Peter MacDonagh	Kenneth Graeve	Shirlee Sherkow	10/23/08	9/30/10	SP&R, SRP, PF, Other State Funds	\$123,840	\$123,840	100%	X
2010-38	89261 W054	INV 875: Improved Automatic Sampling for Suspended Solids	University of Minnesota	John Gulliver	Marilyn Jordahl-Larson	Shirlee Sherkow	12/4/07	2/28/11	LRRB	\$55,000	\$55,000	100%	X
2011-06	89261 W061	Evaluation of Buffer Width on Hydrologic Function, Water Quality and Ecological Integrity of Wetlands	University of Minnesota	John Nieber	Kenneth Graeve	Shirlee Sherkow	12/11/07	2/28/11	SRP	\$158,872	\$158,872	100%	X
2011RIC01	93463 Task 1	Decision Tree for Stormwater BMPs	SRF Consulting Group, Inc.	Mike Marti	Michael Sheehan	Bruce Holdhusen	2/19/09	12/31/11	LRRB	\$51,748	\$51,748	100%	
N/A	97321	Inventory of Ash Tree Attributes Along MnDOT Right of Way Within a 10-Mile Radius of TH280 and I-94	S&S Tree Specialists, Inc.	Gail Nozal	Daniel Gullickson	Sandra McCully	10/8/10	6/30/11	SRP	\$86,639	\$86,614	100%	
2011-08	89261 W0100	Assessment and Recommendations for the Operation of Standard Sumps as Best Management Practice for Stormwater Treatment (Vol. I)	University of Minnesota	Omid Mohseni	Barbara Loida	Shirlee Sherkow	7/8/08	5/31/12	SRP	\$257,000	\$201,000	78%	

Environmental [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
TBD	89261 WO157	Research and Assess the Farmer and MnDOT Economic and Environmental Costs and Benefits of Living Snow Fences, Including Carbon Impacts	University of Minnesota	Gary Wyatt	Daniel Gullickson	Daniel Warzala	6/15/09	2/28/12	SRP, COPTRS	\$99,000	\$96,426	97%	
N/A	89261 WO187	INV 892: Develop Outreach Program for a Thoughtful Street Tree Master Plan	University of Minnesota	Gary Johnson	Daniel Gullickson	Sandra McCully	4/8/10	9/30/11	LRRB	\$20,000	\$19,000	95%	
N/A	89261 WO207	INV 894: Assessing and Improving Pollution Prevention by Swales	University of Minnesota	John Gulliver	Barbara Loida	Bruce Holdhusen	7/30/10	9/30/13	LRRB, SRP	\$314,000	\$46,000	15%	
N/A	89261 WO211	INV 897: Developing Salt-Tolerant Sod Mixtures for Use as Roadside Turf in Minnesota	University of Minnesota	Eric Watkins	Adam Popenhagen	Daniel Warzala	6/8/10	8/31/14	LRRB	\$176,516	\$44,128	25%	
N/A	89261 WO250	Development of Turbid Water Effluent Monitoring Methods for Linear Construction	University of Minnesota	Bruce Wilson	Dwayne Stenlund	Bruce Holdhusen	6/27/11	7/31/13	SRP	\$193,500	\$0	0%	
N/A	89261 WO252	Wetland Mitigation in Abandoned Borrow Areas	University of Minnesota – Duluth	Kurt Johnson	Sarma Straumanis	Shirlee Sherkow	3/28/11	8/31/14	SRP	\$142,023	\$27,311	19%	
TBD	89421	Use of Highway Underpasses by Vertebrates in Minnesota	Minnesota State University, Mankato	John Krenz	Jason Alcott	Daniel Warzala	9/14/06	7/31/11	SRP	\$79,937	\$71,837	90%	
N/A	96273	Concrete Slurry, Wash and Loss Water Mitigation	Minnesota State University, Mankato	Stephen Druschel	Dwayne Stenlund	Bruce Holdhusen	5/11/10	8/31/12	SRP	\$104,945	\$45,010	43%	
N/A	LAB914	INV 914: Research Using Waste Shingles for Stabilization or Dust Control for Gravel Roads and Shoulders	MnDOT Office of Materials	Thomas Wood	Tim Stahl	Daniel Warzala	5/11/11	5/11/12	LRRB, SRP	\$77,000	\$0	0%	

Pooled Fund Study

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(187)	Precipitation Frequency Estimates for the Midwestern Region	Andrea Hendrickson	Debra Fick	FHWA	8	2010	\$1,315,572	\$300,001	\$66,667	\$0	X

Maintenance Operations & Security

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-13	89261 WO94	MPR-6(014): Evaluation of the SafeLane Overlay System for Crash Reduction on Bridge Deck Surfaces	University of Minnesota – Duluth	John Evans	Farideh Amiri	Nelson Cruz	2/29/08	8/31/10	SP&R, SRP	\$35,400	\$35,400	100%	X
2010RIC03	93463, Task 3	INV 645: RIC Task 3: Best Management Practices for Promoting Maintenance Roadway Safety	SRF Consulting Group, Inc.	Mike Marti, Renae Kuehl	Rick West	Clark Moe	2/19/2009	12/31/2011	LRRB	\$40,863	\$40,863	100%	
2011-03	89795 W01	Optimal Workforce Planning and Shift Scheduling for Snow and Ice Removal	St. Louis County	Diwakar Gupta	Jim Foldesi	Alan Randals	7/17/07	4/30/10	LRRB	\$45,000	\$45,000	100%	X
TRS1101	N/A	Snow Plow Cutting Edges for Improved Plowing Performance, Reduced Blade Wear, and Reduced Surface Impacts	EVS	Paul Keranen	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A	93463 Task 4	INV 645: RIC Task 4: Pavement DVD/Video	SRF Consulting Group, Inc./ Greer & Associates/ Minnesota State University, Mankato	Mike Marti, Richard Kronick, W. James Wilde	Gary Danielson	Farideh Amiri	2/19/09	12/31/11	LRRB	\$80,752	\$80,752	100%	

Maintenance Operations & Security [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	93463 Task 5	INV 645: RIC Task 5: Best Practices for Recreation Trails	SRF Consulting Group, Inc.	Mike Marti	Tom Behn	Bruce Holdhusen	2/19/09	12/31/11	LRRB	\$27,608	\$27,608	100%	
N/A	93463 Task 8	INV 645: RIC Task 8: Winter Maintenance Equipment Calibration Workshop	SRF Consulting Group, Inc.	Mike Marti	Rich Sanders	Farideh Amiri	2/19/09	12/31/11	LRRB	\$50,933	\$50,933	100%	
N/A	94758	MPR-8(006): Anti-icing Technology Implementation	EVS	Paul Keranen	Susan Lodahl	Bruce Holdhusen	6/12/09	4/30/11	SP&R, SRP	\$98,348	\$97,364	99%	
N/A	96037	TPF-5(218): Clear Roads Administration and Information Services	CTC & Associates LLC	Patrick Casey	Thomas Peters	Debra Fick	1/19/10	1/31/11	SP&R, PF	\$80,714	\$76,475	95%	
N/A	96739	TPF-5(218): Developing a Training Video for Field Testing of Deicing Materials	MLT Group, LLC	Ted St Mane	None	Debra Fick	9/17/10	6/1/11	SP&R, PF	\$20,465	\$19,865	97%	
N/A	89258 W02	Wetblade to Control Canada Thistle and Phragmites Along Roadways	Michigan Technological University	Catherine Tarasoff	Kenneth Graeve	Nelson Cruz	6/25/09	5/31/14	SRP	\$139,966	\$48,960	35%	
N/A	89261 W0191	Comparative Performance Study of Chip Seal and Bonded Wear Course Systems Applied to Bridge Decks and Approaches	University of Minnesota – Duluth	John Evans, PhD	Thomas Peters	Farideh Amiri	7/8/10	8/31/14	COPTRS	\$90,872	\$0	0%	
N/A	89261 W0199	Estimation of Winter Snow Operation Performance Measures with Traffic Flow Data	University of Minnesota	Eil Kwon	Curtis Pape	Daniel Warzala	8/20/10	6/30/12	SRP, COPTRS	\$58,000	\$27,000	47%	
N/A	89261 W0230	INV 906: LTAP Gravel Road Maintenance Independent On-line Distance Training (ODL)	University of Minnesota	Jim Grothaus	Richard West	Daniel Warzala	11/3/10	12/31/11	LRRB	\$40,000	\$0	0%	
N/A	94079	INV 886: Cost-Effective Pavement Preservation Solutions for the Real World	Minnesota State University, Mankato	W. James Wilde	Gregory Coughlin	Nelson Cruz	9/8/09	2/29/12	LRRB, SRP	\$94,984	\$3,411	4%	
N/A	95099	TPF-5(153) INV 863: Optimal Timing of Preventive Maintenance for Addressing Environmental Aging in HMA Pavements	Asphalt Institute	Mike Anderson	Thomas Wood	Bruce Holdhusen	3/30/10	11/30/13	LRRB, SP&R, Other Federal Funds	\$286,185	\$27,633	10%	
N/A	96319	Salt Brine Blending to Optimize Deicing and Anti-Icing Performance and Cost-Effectiveness	Minnesota State University, Mankato	Stephen Druschel	Gordon Regenscheid	Daniel Warzala	7/12/10	7/31/13	None	\$69,600	\$38,400	55%	
N/A	98203	TPF-5(218): Clear Roads Winter Highway Operations—Phase 2	CTC & Associates LLC	Patrick Casey	Thomas Peters	Debra Fick	1/19/11	9/30/11	SP&R, PF	\$69,526	\$54,161	78%	
N/A	LAB886	INV 886: Cost-Effective Pavement Preservation Solutions for the Real World	MnDOT Office of Materials	Thomas Wood	None	Nelson Cruz	9/10/09	2/29/12	LRRB, SRP	\$15,000	\$0	0%	
N/A	LAB904	INV 904: Stripping of Hot Mixed Asphalt Pavements under Chip Seals	MnDOT Office of Materials	Thomas Wood	Thomas Tesch	Daniel Warzala	7/19/10	9/30/12	LRRB	\$40,000	\$22,000	55%	

Pooled Fund Studies

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(218)	Clear Roads Winter Highway Operations Phase 2	Tom Peters	Debra Fick	MN	22	2013	\$1,220,000	\$75,000	\$25,000	\$25,000	
TPF-5(153)	Optimal Timing of Preventive Maintenance for Addressing Environmental Aging in HMA Pavements	Thomas Wood	Bruce Holdhusen	MN	5	2011	\$405,000	\$131,205	\$15,000	\$15,000	

Pooled Fund Studies [cont.]

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
SPR-3(042)	Aurora Program	Curtis Pape	Debra Fick	IA	18	2011	\$3,122,500	\$375,000	\$25,000	\$0	X
TPF-5(054)	Maintenance Decision Support System (MDSS)	Curtis Pape	Debra Fick	SD	18	2012	\$3,120,884	\$200,000	\$25,000	\$0	X

Materials & Construction

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-26	89261 W052	INV 872; TFP-5(148): Improving MnROAD Temp	University of Minnesota	Randal Barnes	Thomas Burnham	Shirlee Sherkow	4/7/08	7/31/10	LRRB, SP&R, SRP	\$63,500	\$63,500	100%	X
2010-28	89261 W0171	TPF-5(165): Air Voids Testing for MnROAD Cells	University of Minnesota	Mihai Marasteanu	Timothy Clyne	Nelson Cruz	10/27/09	9/30/10	SP&R, PF, Other State Funds	\$14,800	\$14,800	100%	
2010-31	89218	INV 843-1: Predicting the Occurrence of Bumps in Overlays	Minnesota State University, Mankato	W. James Wilde	John Brunkhorst	Daniel Warzala	8/8/06	9/30/10	LRRB	\$31,040	\$31,040	100%	X
2010-32	93627	TPF-5(148): 2008 MnROAD Unbound Quality Control Construction Report	CNA Consulting Engineers, Inc.	D. Lee Petersen	John Siekmeier	Bruce Holdhusen	3/30/09	8/31/10	LRRB, SP&R, SRP, PF	\$49,656	\$49,656	100%	
2010-35	89423	INV 855: A Property-Based Specification for Coarse Aggregate in Pavement Applications	North Dakota State University	Magdy Abdelrahman	John Grindeland	Daniel Warzala	11/6/06	10/31/10	LRRB	\$92,624	\$92,624	100%	X
2010-40	94527	TPF-5(134) MPR-6(029) MPR-6(021): Influence of Pavement on Traffic Noise—Statistical Pass-By Measurements of Traffic on Several Interstate Pavements	HDR Engineering	Tim Casey	Bernard Izevbekhai	Nelson Cruz	6/16/09	9/30/10	SP&R, LRRB, Other State Funds	\$64,107	\$62,118	97%	X
2011-02	89261 W09	INV 851: Allowable Axle Loads on Pavements	University of Minnesota	Lev Khazanovich	Gerard Geib	Clark Moe	11/14/06	1/31/11	LRRB, SRP	\$126,042	\$126,042	100%	X
2011-15	92107	MPR-6(012): Development of New Test Roller Equipment and Construction Specifications for Subgrade Compaction Acceptance	Minnesota State University, Mankato	Aaron Budge	Timothy Andersen, Terrence Beaudry	Daniel Warzala	1/24/08	6/30/11	SP&R, SRP	\$253,300	\$253,300	100%	
2011-16	89258 W01	TPF-5(165): Field Evaluation of Built-In Curling Levels in Rigid Pavements	Michigan Technological University	Jacob Hiller	Thomas Burnham	Bruce Holdhusen	5/14/09	6/30/11	SP&R, PF, Other State Funds	\$64,000	\$64,000	100%	
2011-18	89261 W0173	INV 893: Optimal Contract Mechanism Design for Performance-Based Contracts	University of Minnesota	Diwakar Gupta	Richard Kjonaas	Daniel Warzala	11/10/09	10/31/11	SRP	\$30,000	\$30,000	100%	
N/A	89258 W03	Transportation Enterprise Warm Mix Asphalt Synthesis Technology Transfer	Michigan Technological University	George Dewey	Timothy Clyne	None	1/21/11	9/30/11	SRP	\$5,000	\$5,000	100%	
N/A	89450 W07	MPR-6(033): TRACS Research and Implementation Project	Project Information Services	Timothy Malagon	Thomas Wiener	Clark Moe	3/12/08	6/30/11	SP&R, SRP, Other State Funds	\$350,000	\$336,235	96%	
N/A	98638	ELMOD 6—Dynatest Deflection Analysis Software Training	Dynatest Consulting Inc	Gabriel Bazi	Maureen Jensen	Benjamin Worel	4/22/11	7/31/11	SRP	\$13,631	\$13,631	100%	
N/A	98686	Seismic Research Data Analysis Support	Carr Geophysical Consulting LLC	Bradley Carr	Jason Richter	Bruce Holdhusen	4/29/11	7/31/11	SRP	\$5,000	\$5,000	100%	
N/A	95336	MPR-9(001): Stabilized Full Depth Reclamation (SFDR) Implementation	American Engineering Testing, Inc.	Dave Rettner	Steven Adamsky, Gerard Geib	Clark Moe	9/18/09	2/28/11	SP&R, SRP	\$50,111	\$50,111	100%	

Materials & Construction [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	95647	GPS Extension to MnDOT GPR Production	American Engineering Testing, Inc.	Joe Korzilius	Matthew Lebens	Bruce Holdhusen	10/27/09	7/31/10	SRP	\$4,972	\$4,972	100%	
N/A	96661	An Integrated Pavement Management System Loading Additional Data into MN Pavement Management System	Stantec Consulting, Inc.	Khaled Helali	Shongtao Dai	Bruce Holdhusen	5/21/10	1/31/11	SRP	\$9,544	\$9,544	100%	
N/A	INV 843-2	INV 843-2: Predicting the Occurrence of Bumps in Overlays	MnDOT Office of Materials	Eddie Johnson	None	Daniel Warzala	7/13/06	9/30/10	LRRB	\$33,500	\$25,401	76%	
N/A	LAB676-11	INV 676: FY2011 Support of MnROAD Low Volume Road	MnDOT Office of Materials	Maureen Jensen	None	None	7/1/10	6/30/11	LRRB	\$570,000	\$285,000	50%	
2010-30	LAB016	MPR-6(016): Construction Report for MnROAD Thin Unbonded Concrete Overlay Test Cell 5 (Sub-Cells 105-405)	MnDOT Office of Materials	Mark Watson	Bernard Izevbekhai	Bruce Holdhusen	12/29/08	2/28/14	SP&R, Other State Funds, PF	\$126,100	\$0	0%	
2011-05	93028	TPF-5(134): Innovative Diamond Grinding on MnROAD Cells 7, 8, 9 and 37	Minnesota State University, Mankato	W. James Wilde	Bernard Izevbekhai	Bruce Holdhusen	7/23/08	11/30/12	SP&R	\$118,760	\$5,000	4%	X
2011-12	MPR-6(021)	MPR-6(021): Evaluation of Skid Resistance of Turf Drag Textured Concrete Pavements	MnDOT Office of Materials	Bernard Izevbekhai	Benjamin Worel	Bruce Holdhusen	12/19/08	1/1/13	SP&R	\$100,882	\$0	0%	
N/A	89261 WO189	TPF-5(215): TERRA Pooled Fund Support--Transportation Engineering and Road Research Alliance	University of Minnesota	Laurie McGinnis	Maureen Jensen	Linda Taylor	4/30/10	3/31/12	SP&R	\$45,000	\$25,714	57%	
N/A	89261 WO220	INV 869: TERRA Board Support (FY2011)	University of Minnesota	Laurie McGinnis	Julie Skallman, Mark Maloney	Benjamin Worel	7/20/10	11/30/11	LRRB	\$35,000	\$26,400	75%	
N/A	89256 WO11	Construction Manager General Contractor Risk Assessment	University of Iowa	Jennifer Shane	Jay Hietpas	Nelson Cruz	5/31/11	7/31/12	SRP	\$80,000	\$0	0%	
N/A	89260 WO1	Best Value Granular Material for Road Foundations	University of Illinois	Erol Tutumluer	John Siekmeier	Nelson Cruz	9/15/08	12/31/11	SRP	\$192,000	\$86,000	45%	
N/A	89260 WO2	Cost-Effective Base Type and Thickness for Long Life Concrete Pavements	University of Illinois	Erol Tutumluer	Terrence Beaudry	Shirlee Sherkow	6/20/11	1/31/14	SRP	\$136,000	\$0	0%	
N/A	89261 WO79	TPF-5(148) INV 854: Effects of Implements of Husbandry on Pavement Performance	University of Minnesota	Lev Khazanovich	Shongtao Dai	Bruce Holdhusen	10/12/07	11/30/11	LRRB, SP&R, SRP, PF	\$275,239	\$113,124	41%	
N/A	89261 WO90	TPF-5(149), INV 867: Composite Pavements Design and Construction Guidelines for Thermally Insulated Concrete Pavements	University of Minnesota	Lev Khazanovich	Timothy Clyne	Nelson Cruz	1/30/08	7/31/12	SP&R, LRRB	\$438,980	\$219,490	50%	
N/A	89261 WO101	TPF-5(148): Vibrating Wire and Horizontal Clip Data Analysis	University of Minnesota	Ahmed Tewfik	Thomas Burnham	Bruce Holdhusen	6/10/08	12/31/11	LRRB, SP&R, SRP, PF	\$70,000	\$63,000	90%	
N/A	89261 WO103	TPF-5(132), INV 865: Low Temperature Cracking in Asphalt Phase II	University of Minnesota	Mihai Marasteanu	Timothy Clyne	Bruce Holdhusen	6/17/08	1/31/12	LRRB, SP&R, SRP	\$475,000	\$133,570	28%	
TBD	89261 WO140	Mechanistic Modeling of Unbonded Concrete Overlay Pavements	University of Minnesota	Roberto Ballarini	Shongtao Dai	Daniel Warzala	6/29/09	3/31/12	SRP	\$110,000	\$5,500	5%	
N/A	89261 WO156	INV 887: Structural Evaluation of Asphalt Pavements with Full-Depth Reclaimed Base	University of Minnesota	Joseph Labuz	Merle Earley	Daniel Warzala	6/4/09	11/30/12	LRRB, Other State Funds	\$38,260	\$1,000	3%	
N/A	89261 WO190	INV 896: Quantifying Moisture Effects in DCP and LWD Tests Using Unsaturated Mechanics	University of Minnesota	Kimberly Hill	John Siekmeier	Nelson Cruz	9/24/10	11/30/12	LRRB	\$109,900	\$28,574	26%	
N/A	89261 WO254	INV 889: Performance of Recycled Asphalt & High RAP Asphalt Mix	University of Minnesota	Mihai Marasteanu	Gregory Coughlin	Daniel Warzala	2/8/11	3/31/12	LRRB	\$30,000	\$0	0%	
TBD	89261 WO269	Synthesis of Performance Testing of Asphalt Concrete	University of Minnesota – Duluth	Eshan Dave	Timothy Clyne	Alan Rindels	5/19/11	9/30/11	SRP	\$19,924	\$0	0%	

Materials & Construction [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	89264 W02	TPF-5(129): Recycled Unbound Materials	University of Wisconsin – Madison	Tuncer Edil	John Siekmeier	Nelson Cruz	6/4/08	11/30/12	SP&R	\$349,910	\$90,000	26%	
N/A	89264 W05	Cost-Effective Means of Managing Pavements in Poor Condition	University of Wisconsin – Madison	Teresa Adams	Mark Watson	Nelson Cruz	6/7/11	7/31/12	SRP	\$139,953	\$0	0%	
TBD	92965	TPF-5(165): Development of Design Guide for Thin and Ultra-Thin Concrete Overlays of Existing Asphalt Pavements, Task 2 Report: Review and Selection of Structural Response Models	University of Pittsburgh	Julie Vandenbossche	Thomas Burnham	Nelson Cruz	9/12/08	1/31/12	SP&R, PF, Other State Funds	\$330,000	\$93,000	28%	
N/A	93103 W016	INV 645: Best Value Procurement Development	HNTB Corporation	Steve Howe	None	Farideh Amiri	8/5/09	7/30/12	LRRB, PF	\$179,074	\$52,936	30%	
N/A	93263	MPR-6(033): Construction Project Management Software Evaluations	Minnesota State University, Mankato	Brian Wasserman	Thomas Wiener	Farideh Amiri	9/24/08	4/30/12	SP&R, SRP, Other State Funds	\$190,932	\$53,432	28%	
N/A	94262	MPR-8(004): Development of a Concrete Maturity Test Protocol	Minnesota State University, Mankato	W. James Wilde	Alexandra Akkari	Sandra McCully	4/2/09	9/30/12	SP&R, SRP	\$113,952	\$61,944	54%	
N/A	94288	INV 645: Integrated Tools for Pavement Design and Management	Minnesota State University, Mankato	W. James Wilde	Rich Sanders	Farideh Amiri	4/21/09	1/31/12	SRP	\$54,531	\$33,683	62%	
N/A	95937	INV 895: Traffic Generating Developments and Roadway Life Consumption	Minnesota State University, Mankato	W. James Wilde	Gary Danielson	Farideh Amiri	1/22/10	5/31/12	LRRB	\$37,038	\$22,772	61%	
TBD	96033	INV 901: Concrete Delivery Time Study	American Engineering Testing, Inc.	Dan Vruno	Maria Masten	Shirlee Sherkow	3/29/10	1/31/12	None	\$99,998	\$88,492	88%	
N/A	96885	INV 902: Material Control Testing Rates for Low Volume Roads	Minnesota State University, Mankato	Brian Wasserman	Julie Skallman	Farideh Amiri	6/1/10	8/31/11	LRRB	\$25,000	\$10,000	40%	
N/A	97281	Lump Sum Estimating: Discovery and Simulation	Mankato State University	Brian Wasserman	Thomas Wiener	Shirlee Sherkow	7/30/10	7/31/12	SRP	\$17,000	\$3,000	18%	
N/A	97334	MPR-6(011): Intelligent Compaction	None	None	None	Clark Moe	9/13/10	12/31/11	SP&R, Other State Funds, SRP	\$225,000	\$194,453	86%	
N/A	97388	Validation of DOT600 Soil Moisture Device	American Engineering Testing, Inc.	Dave Rettner	John Siekmeier	Daniel Warzala	8/26/10	7/31/11	SRP	\$29,982	\$17,472	58%	
N/A	98108	INV 907: Impact of Garbage Haulers on Pavement Performance	Minnesota State University, Mankato	W. James Wilde	Deb Bloom	Daniel Warzala	2/22/11	8/31/12	LRRB	\$54,000	\$2,000	4%	
N/A	98109	Use of Recycled Brick in Aggregates	Minnesota State University, Mankato	Farhad Reza	Terrence Beaudry	Nelson Cruz	5/26/11	8/31/13	SRP	\$77,811	\$0	0%	
N/A	98110	Cost-Effective Base Type and Thickness for Long Life Concrete Pavements	Minnesota State University, Mankato	W. James Wilde	None	Shirlee Sherkow	6/24/11	1/31/14	SRP	\$63,000	\$0	0%	
N/A	98488	Impact of Vibratory Equipment to Surrounding Environments during Construction	CNA Consulting Engineers, Inc.	D. Lee Petersen	Charles Howe	Shirlee Sherkow	5/4/11	9/30/11	SRP	\$9,487	\$1,617	17%	
N/A	98783	Assessment of Weather Effects on Construction Activities	Professional Engineering Services, Ltd	Ann Johnson	Thomas Wiener	Alan Rindels	4/29/11	7/31/11	SRP	\$15,001	\$13,627	91%	
2011-20	INV768	INV 768: Monitoring Geosynthetics in Local Roadways (LRRB 768) 10-Year Performance Summary	MnDOT Office of Materials	Timothy Clyne	Luane Tasa	Daniel Warzala	10/1/00	9/1/11	LRRB	\$30,000	\$25,000	83%	
N/A	INV 885	INV 885: Research Test Section Tracking—Phase II	MnDOT Office of Materials	Melissa Cole	Luane Tasa	Farideh Amiri	12/21/09	12/21/14	LRRB	\$55,000	\$5,000	9%	
N/A	LAB840	INV 840-1: Performance of PG 52-34 Oil on Local Roads	MnDOT Office of Materials	Shongtao Dai	Brian Noetzelman	Daniel Warzala	6/22/06	12/31/11	LRRB	\$56,200	\$45,600	81%	

Materials & Construction [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	LAB864	MPR-6(022), INV 864: Recycled Asphalt Pavements	MnDOT Office of Materials	Eddie Johnson	Gregory Johnson	Bruce Holdhusen	1/4/08	12/31/12	SP&R, LRRB, Other State Funds	\$275,000	\$25,000	9%	
N/A	LAB868	MPR-6(029), INV 868: HMA Surface Characteristics	MnDOT Office of Materials	Timothy Clyne	Gregory Johnson	Bruce Holdhusen	9/18/07	6/30/13	SP&R, LRRB, Other State Funds	\$326,632	\$84,625	26%	
N/A	LAB878	INV 878: Porous Asphalt Pavement Performance in Cold Regions	MnDOT Office of Materials	Matthew Lebens	Larry Matsumoto	Bruce Holdhusen	7/26/07	4/30/12	LRRB, SP&R, Other State Funds	\$71,000	\$22,400	32%	
2010-16, TBD	LAB879	INV 879 MPR-6(027): Drainable Pavements at MnROAD Pervious Concrete and Porous Concrete Overlay Cells 39, 85, and 89	MnDOT Office of Materials	Bernard Izevbekhai	Mark Maloney	Bruce Holdhusen	7/30/07	9/30/11	LRRB, SP&R, Other State Funds	\$46,000	\$39,000	85%	
N/A	LAB887	INV 887: Structural Evaluation of Asphalt Pavements with Full-depth Reclaimed Base	MnDOT Office of Materials	Shongtao Dai	Merle Earley	Daniel Warzala	10/5/09	3/31/13	LRRB, Other State Funds	\$41,548	\$8,960	22%	
N/A	LAB889	INV 889: Performance of Recycled Asphalt & High RAP Asphalt Mix	MnDOT Office of Materials	Eddie Johnson	Gregory Coughlin	Daniel Warzala	2/22/10	2/28/13	LRRB	\$30,000	\$0	0%	
N/A	LAB899	INV 899, INV 825: Perf. Monitoring of Olmsted CR 117/104 and Aggregate Base Material Update	MnDOT Office of Materials	Matthew Lebens	None	Alan Rindels	6/8/10	2/28/15	LRRB	\$36,000	\$0	0%	
N/A	MPR-1(002)	MPR-1(002): Development of a Spatial-Time-Domain Acoustic Device for Rapid Concrete Evaluation	MnDOT Office of Materials	Bernard Izevbekhai	Maureen Jensen	Daniel Warzala	4/5/11	3/30/14	SP&R, SRP	\$98,000	\$0	0%	
N/A	MPR-6(031)	MPR-6(031): Concrete Pavement Optimization, Determining the Lower Threshold of Slab Thickness for High Volume Roadways	MnDOT Office of Materials	Thomas Burnham	Bernard Izevbekhai	Bruce Holdhusen	1/3/08	7/31/14	SP&R, Other State Funds	\$126,100	\$0	0%	

Pooled Fund Studies

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(129)	Recycled Unbound Pavement Materials	Andrew Eller	Nelson Cruz	MN	6	2011	\$718,120	\$120,000	\$15,000	\$15,000	
TPF-5(132)	Low Temperature Cracking in Asphalt Pavements (Phase II MnROAD Study)	Timothy Clyne	Bruce Holdhusen	MN	7	2011	\$475,000	\$100,000	\$20,000	\$20,000	
TPF-5(134)	PCC Surface Characteristics—Rehabilitation (MnROAD Study)	Bernard Izevbekhai	Bruce Holdhusen	MN	3	2010	\$330,000	\$75,000	\$15,000	\$0	
TPF-5(148)	The Effects of Implements of Husbandry “Farm Equipment” on Pavement Performance (MnROAD Study)	Shongtao Dai	Bruce Holdhusen	MN	6	2008	\$433,000	\$105,000	\$0	\$0	
TPF-5(149)	Design and Construction Guidelines for Thermally Insulated Concrete Pavements (MnROAD Study)	Timothy Clyne	Nelson Cruz	MN	5	2011	\$455,000	\$100,000	\$20,000	\$20,000	
TPF-5(165)	Development of Design Guide for Thin and Ultrathin Concrete Overlays of Existing Asphalt Pavements (MnROAD Study)	Thomas Burnham	Nelson Cruz	MN	6	2011	\$406,000	\$69,200	\$0	\$9,200	
TPF-5(215)	TERRA Pooled Fund Support—Transportation Engineering and Road Research Alliance	Maureen Jensen	Debra Fick	MN	5	2014	\$157,500	\$37,500	\$7,500	\$7,500	
SPR-3(074)	Pavement Research and Technology	Roger Olson	Debra Fick	WA	4	2010	\$625,000	\$280,000	\$15,000	\$0	

Pooled Fund Studies [cont.]

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(159)	Technology Transfer Concrete Consortium	Maria Masten	Debra Fick	IA	20	2012	\$537,500	\$30,000	\$5,000	\$5,000	
TPF-5(177)	Improving Resilient Modulus (MR) Test Procedures for Unbound Materials	Shongtao Dai	Debra Fick	FHWA	10	2010	\$300,000	\$40,000	\$20,000	\$0	
TPF-5(197)	The Impact of Wide-Base Tires on Pavement Damage: A National Study	Shongtao Dai	Debra Fick	FHWA	7	2012	\$675,000	\$100,000	\$25,000	\$25,000	
TPF-5(213)	Performance of Recycled Asphalt Shingles in Hot Mix Asphalt	Roger Olson	Debra Fick	MO	9	2010	\$765,000	\$85,000	\$42,500	\$0	
TPF-5(224)	Investigation of Jointed Plain Concrete Pavement Deterioration at Joints and the Potential Contribution of Deicing Chemicals	Bernard Izevbechai	Debra Fick	IA	9	2013	\$390,000	\$60,000	\$15,000	\$15,000	
TPF-5(225)	Validation and Implementation of Hot-Poured Crack Sealant	Jim McGraw	Debra Fick	VA	9	2013	\$775,000	\$100,000	\$25,000	\$25,000	

Multimodal

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-34	89256 W05	MnDOT Truck Parking Study—Phase 2	Iowa State University	Omar Smadi	Robert Gale	Shirlee Sherkow	12/5/08	8/31/10	SRP	\$79,441	\$79,441	100%	X
2011-14	89261 W0221	Potential Viability of Automated Rapid Transit at the Minneapolis-St. Paul Airport	University of Minnesota	Lee Munnich	Mukhtar Thakur	Shirlee Sherkow	7/18/10	5/31/11	Multimodal PRT, Modal Planning & Program Management	\$19,000	\$19,000	100%	X
N/A	89261 W0209	Assessing Neighborhood and Social Influences of Transit Corridors	University of Minnesota	Yingling Fan	Robert Vockrodt	Daniel Warzala	5/18/10	1/31/12	SRP	\$12,500	\$12,500	100%	
N/A	89261 W0136	Procedures for Highway Cost Allocation and Determination of Heavier Freight-Truck Permit Fees	University of Minnesota	Diwakar Gupta	John Tompkins	Daniel Warzala	3/26/09	1/30/12	SRP, COPTRS	\$179,752	\$80,888	45%	
N/A	89261 W0193	Bike, Bus, and Beyond: Extending Cyclopath to Enable Multi-Modal Routing	University of Minnesota	Loren Terveen	Greta Alquist	Shirlee Sherkow	7/6/10	3/31/12	SRP	\$60,627	\$50,000	82%	
N/A	89261 W0204	Benefits of Distance-Based Fees for the Trucking Industry	University of Minnesota	Ferrol Robinson	Kenneth Buckeye	Shirlee Sherkow	2/8/11	3/31/12	SRP	\$50,000	\$4,264	9%	
2011-17	89261 W0215	TH50501: Rationale for Funding a Feasibility Study for an Automated Rapid Transit Application in the Twin Cities	University of Minnesota	Ferrol Robinson	Mukhtar Thakur	Alan Rindels	6/8/10	9/30/11	Multimodal PRT, Modal Planning & Program Management	\$46,000	\$0	0%	
N/A	89261 W0239	Transportation, Environmental and Health Impacts of Transitways: A Case Study of the Hiawatha Line	University of Minnesota	Jason Cao	Robert Vockrodt	Daniel Warzala	2/15/11	3/31/13	SRP	\$37,500	\$0	0%	
N/A	89264 W04	INV 911: Best Practices Synthesis and Guidance in At-Grade Trail Crossing Treatments	University of Wisconsin – Madison	David Noyce	Lisa Austin	Bruce Holdhusen	6/14/11	10/31/12	SRP, LRRB	\$96,866	\$0	0%	

Pooled Fund Study

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(156)	Mid America Freight Coalition Pooled Fund	John Tompkins	Debra Fick	WI	10	2011	\$1,175,000	\$125,000	\$25,000	\$25,000	X

Policy & Planning

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-21, TRS0803	89261 W0102	Traffic Flow and Road User Impacts of the Collapse of the I-35W Bridge Over the Mississippi River	University of Minnesota	David Levinson	Edward Idzorek	Alan Rindels	6/12/08	9/30/10	SRP	\$200,502	\$200,502	100%	X
2010-27	89261 W0147	Study of Public Acceptance of Tolling with New Capacity and Credits/Concepts of FAST miles and FEE lanes	University of Minnesota	Adeel Lari	Kenneth Buckeye	Shirlee Sherkow	4/16/09	7/31/10	SRP, Fast Miles Pricing	\$75,000	\$75,000	100%	X
2010-33	89261 W078	MPR-6(007): Hear Every Voice Public Engagement Initiative	University of Minnesota	Jim Grothaus	Scott Bradley	Rebecca Lein	7/16/07	8/31/10	SP&R, SRP, Other State Funds	\$230,798	\$230,798	100%	X
TRS1008	N/A	Potential Benefits to the Freight Industry of Distance-Based Road User Fees	Ferrol Robinson	Ferrol Robinson	Ken Buckeye	Shirlee Sherkow	N/A	N/A	N/A	N/A	N/A	N/A	
2011-07	89261 W0214	Review of Workplace Wellness Program Options to Reduce Musculoskeletal Disorders in Laborious Work	University of Minnesota – Duluth	Robert Feyen	Todd Haglin	Bruce Holdhusen	5/28/10	4/30/11	SRP	\$11,312	\$11,312	100%	X
2011-09	89261 W0141	Advancing Public Interest in Public-Private Partnership of State Highway Development	University of Minnesota	Zhirong Jerry Zhao	Kenneth Buckeye	Daniel Warzala	6/8/09	2/28/11	SRP	\$74,966	\$74,966	100%	X
TRS1102	89261 W0273	Estimating Non-Automobile Mode Share	University of Minnesota	Carol Becker	Lynne Bly	Shirlee Sherkow	6/2/11	6/30/11	SRP	\$7,500	\$7,500	100%	
TRS1103	89261 W0274	Small MPO Funding	University of Minnesota	Carol Becker	None	Shirlee Sherkow	6/2/11	6/30/11	SRP	\$7,500	\$7,500	100%	
N/A	89261 W0114	Development of a Weigh-Pad Based Portable WIM System	University of Minnesota – Duluth	Taek Kwon	Benjamin Timerson	Nelson Cruz	12/30/08	5/31/12	SRP	\$160,000	\$98,550	62%	
N/A	89261 W0196	Case Studies of Transportation Investment to Identify the Impacts on the Local and State Economy	University of Minnesota	Michael Iacono	Matthew Shands	Bruce Holdhusen	8/27/10	2/28/12	SRP, COPTRS	\$89,378	\$35,751	40%	
N/A	89261 W0197	Economic Benefits of Telework for Employers	University of Minnesota	Adeel Lari	Kenneth Buckeye	Shirlee Sherkow	6/30/10	8/31/12	COPTRS	\$145,600	\$36,400	25%	
N/A	89261 W0198	Quality of Life: Assessment and Evaluation to Develop Transportation Performance Measures	University of Minnesota	Ingrid Schneider	Karla Rains	Shirlee Sherkow	7/14/10	8/31/12	SRP, COPTRS	\$218,913	\$101,913	47%	
N/A	89261 W0201	Using Twin Cities Destinations and Their Accessibility as a Multimodal Planning Tool	University of Minnesota	David Levinson	Brian Gage	Alan Rindels	9/24/10	2/28/12	COPTRS	\$100,000	\$95,000	95%	
N/A	89261 W0227	MPR-0(003): Reporting Capabilities for Continuous Vehicle Class and WIM Data	University of Minnesota – Duluth	Taek Kwon	Benjamin Timerson	Nelson Cruz	11/18/10	6/30/12	SRP, SP&R	\$35,268	\$8,298	24%	
N/A	89261 W0251	What is the Risk to the Traveling Public and MnDOT Operations from Transmission Lines Along Our ROW?	University of Minnesota – Duluth	Seraphin Chally Abou	Valerie Svensson	Shirlee Sherkow	3/22/11	11/30/12	SRP	\$67,511	\$0	0%	
N/A	89261 W0258	INV 913: LRRB Workshop: Shaping Research on Systems Planning for Local Roads	University of Minnesota	Linda Preisen	Susan Miller	Farideh Amiri	2/4/11	11/30/11	LRRB	\$22,093	\$11,047	50%	
N/A	89264 W07	INV 915: Implications of Modifying State Aid Standards; Urban, New or Reconstruction (Mn Rules 8820.9936) to Accommodate Various Roadway Users	University of Wisconsin–Madison	David Noyce	Paul Stine	Bruce Holdhusen	6/28/11	11/30/12	LRRB	\$117,700	\$0	0%	
N/A	95029	TPF-5(192): Loop and Length Based Classification Pooled Fund	SRF Consulting Group, Inc.	Erik Minge	Gene Hicks	Debra Fick	1/27/10	5/31/12	SP&R, PF	\$469,191	\$176,442	38%	
N/A	95667	MPR-8(008): Right of Way Mapping Process Improvement, Phase 3 (Prioritize Mapping Backlog, Develop Highest Priority Data and Assist in Training and Support - Task 2)	Widseth, Smith, Nolting and Associates, Inc.	Bryan Balcome	Jay Krafthefer	Clark Moe	1/28/10	7/31/11	SP&R, SRP	\$429,798	\$335,856	78%	
N/A	97137	MPR-8(008): Essentials Web ADF Tool Customizations	Latitude Geographics Group, Ltd	Jed Harrison	Paul Weinberger	Alan Rindels	11/22/10	7/31/11	SP&R, SRP	\$19,900	\$2,760	14%	

Pooled Fund Studies

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(192)	Loop and Length Based Classification Pooled Fund	Gene Hicks	Debra Fick	MN	14	2011	\$485,000	\$40,000	\$10,000	\$15,000	
TPF-5(198)	Urban Mobility Study, 2009 Continuation	Paul Czech	Debra Fick	TX	9	2012	\$295,000	\$165,000	\$70,000	\$60,000	

Traffic & Safety

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
2010-25	95976	MPR-9(003): Design of Turn Lane Guidelines	CH2M Hill	Howard Preston	Glen Ellis	Shirlee Sherkow	1/11/10	7/31/10	SP&R, SRP	\$37,512	\$37,512	100%	
2010-36	93097	TPF-5(171): Evaluation of Non-Intrusive Technologies for Traffic Detection	SRF Consulting Group, Inc.	Erik Minge	Jerry Kotzenmacher	Debra Fick	9/24/08	9/30/10	SP&R	\$185,020	\$184,987	100%	X
2010RIC02	93463 Task 2	INV 645: RIC Task 2: Minnesota Sign Retroreflectivity Toolkit	SRF Consulting Group, Inc.	Mike Marti, Renae Kuehl	Michael Sheehan	Clark Moe	2/19/09	12/31/11	LRRB	\$25,992	\$25,992	100%	X
2010RIC10	96011	INV 645: Best Practices Guide for Removing Traffic Signs 2009-2011 RIC Task 10	CH2M Hill	Howard Preston	Mark Vizecky	Clark Moe	1/13/10	1/31/11	LRRB	\$70,327	\$70,327	100%	
2011-04	89261 W091	INV 877: Advanced LED Warning Signs for Rural Intersections Powered by Renewable Energy	University of Minnesota – Duluth	Taek Kwon	Brian Boder	Alan Rindels	2/15/08	2/28/11	LRRB	\$125,476	\$125,476	100%	X
2011-10	89256 W09	Minnesota Department of Transportation Traffic Safety Analysis Software State of the Art	Iowa State University	Reginald Souleyrette	Bradley Estochen	Shirlee Sherkow	3/12/10	2/28/11	SRP	\$28,403	\$28,403	100%	X
2011-13	89261 W0115	MPR-8(002): Usability Evaluation of a Smart Phone-Based Novice Teen Driver Support System (TDSS)	University of Minnesota	Max Donath	Susan Sheehan	Daniel Warzala	12/9/08	5/31/11	SP&R, SRP	\$500,000	\$500,000	100%	X
TRS1009	N/A	Effects of 24-Hour Headlight Use on Traffic Safety	CTC & Associates LLC	Patrick Casey	Gordy Pehrson	Jake Akervik	N/A	N/A	N/A	N/A	N/A	N/A	
N/A	89261 W0224	Integration of New Ramp Metering Formula in RTMC IRIS System	University of Minnesota	John Hourdos	None	Shirlee Sherkow	7/8/10	2/28/11	COPTRS	\$17,662	\$17,662	100%	
N/A	89261 W0262	ITS Institute MnDOT Match—2011	University of Minnesota	Max Donath	Linda Taylor	Linda Taylor	3/22/11	6/30/11	SRP	\$100,000	\$100,000	100%	
N/A	92751	Crash Mapping and Analysis Tool (MnCMAT)	None	Michael Scanlon	Richard Kjonaas, Mark Vizecky	Clark Moe	9/21/09	8/31/10	SP&R, Other State Funds	\$162,720	\$162,720	100%	
N/A	94522	TPF-5(190): North/West Passage Project 4.1 Traveler Information Website Phase 3 and Project 4.3 Center to Center Communications Concept of Operations	Open Roads Consulting	Jeffrey Adler	Matthew Gjersvik	Debra Fick	12/1/09	9/30/10	SP&R, PF	\$75,000	\$75,000	100%	
TBD	89256 W07	Marking Performance Under Challenging Pavement Surface Condition	Iowa State University	Neal Hawkins	Mitchell Bartelt	Alan Rindels	3/1/10	10/31/11	SRP	\$39,991	\$33,000	83%	
N/A	89256 W08	Implementation, Training and Outreach for MnDOT Pavement Marking Tool—Phase II	Iowa State University	Omar Smadi	Mitchell Bartelt	Alan Rindels	5/7/09	12/31/11	SRP	\$86,970	\$27,970	32%	
N/A	89256 W010	Rumble Strip: Evaluation of Retroreflectivity and Installation Practices	University of Iowa	Neal Hawkins	Kenneth Johnson	Nelson Cruz	5/26/11	7/31/13	SRP	\$65,000	\$0	0%	
N/A	89261 W0139	INV 890: Speed Impacts of Occasional Hazard Residential Street Warning Signs	University of Minnesota	John Hourdos	Amy Marohn	Shirlee Sherkow	6/30/09	2/28/12	LRRB	\$79,647	\$58,939	74%	
N/A	89261 W0143	Portable Non-Intrusive Advanced Warning Devices for Work Zones With Or Without Flag Operators	University of Minnesota	John Hourdos	Randy Reznicek	Daniel Warzala	7/30/09	3/31/12	SRP	\$61,986	\$9,297	15%	

Traffic & Safety [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
TBD	89261 W0169	Development of Freeway Operational Strategies with IRIS-In-Loop Simulation	University of Minnesota – Duluth	Eil Kwon	Brian Kary	Daniel Warzala	10/1/09	1/31/12	SRP	\$86,000	\$78,000	91%	
N/A	89261 W0178	MPR-9(006): Research Implementation of the SMART Signal System on TH 13	University of Minnesota	Henry Liu	Steven Misgen	Alan Rindels	12/17/09	2/2/12	SP&R, SRP	\$239,000	\$55,000	23%	
N/A	89261 W0195	INV 898: Estimating the Crash Reduction and Vehicle Dynamic Effects of Flashing LED Stop Signs	University of Minnesota	Gary Davis	Bradley Estothen	Shirlee Sherkow	6/28/10	12/31/11	LRRB, ITS Institute	\$74,667	\$37,333	50%	
N/A	89261 W0202	Improving Traffic Signal Operations for Integrated Corridor Management (ICM)	University of Minnesota	Henry Liu	Steven Misgen	Alan Rindels	2/2/11	9/30/13	COPTRS	\$163,000	\$0	0%	
N/A	89261 W0240	Investigating the Effects of Two-Panel Overhead Changeable Message Signs and Intelligent Lane Control Signals (ILCS) on Driver Behavior	University of Minnesota	Kathleen Harder	Jesse Larson	Daniel Warzala	5/12/11	7/31/12	SRP	\$144,500	\$995	1%	
N/A	89261 W0247	Evaluation of the Effect MnPASS Lane Design has on Mobility and Safety	University of Minnesota	John Hourdos	Julie Johnson	Daniel Warzala	5/31/11	11/30/13	SRP	\$169,000	\$0	0%	
N/A	89261 W0271	INV 917: Two-Lane Roundabout Field Research Regarding Signing and Striping	University of Minnesota	John Hourdos	Kristin Asher	Shirlee Sherkow	6/30/11	10/31/13	LRRB	\$105,000	\$0	0%	
N/A	89264 W06	TPF-5(190): North/West Passage Corridor-Wide Commercial Vehicle Permitting—Phase 2	University of Wisconsin – Madison	Teresa Adams	Cory Johnson	Debra Fick	2/15/11	3/31/12	SP&R, PF	\$24,968	\$0	0%	
N/A	91150	TPF-5(093): North/West Passage Program Support and Phase II Work Plan Projects	Athey Creek Consultants, LLC	Dean Deeter	Cory Johnson	Debra Fick	9/14/07	8/31/12	SP&R, PF	\$346,325	\$311,553	90%	
N/A	91150A	TPF-5(093): North/West Passage Program Support and Phase II Work Plan Projects	None	None	Matthew Gjersvik, Todd Kramasz	Debra Fick	9/14/07	8/31/12	SP&R	\$99,898	\$0	0%	
N/A	96125	TPF-5(093): North/West Passage Website Maintenance	None	None	Todd Kramasz	Debra Fick	3/24/10	3/1/12	SP&R	\$6,039	\$755	13%	
N/A	96737	INV 900: Hennepin/Minneapolis LED Light Study	None	Robb Luckow	Julie Skallman	Shirlee Sherkow	6/25/10	9/30/12	LRRB	\$50,000	\$46,000	92%	
N/A	97078	MPR-9(005): Changeable Message Signs (CMS)/Digital Message Signs (DMS) Manual of Practice Development, Implementation and Training	Iteris, Inc	Lisa Raduenz	Jesse Larson	Alan Rindels	11/3/10	11/30/12	SP&R, SRP	\$96,302	\$38,553	40%	
N/A	98039	INV 903: Best Practices for Sign Reduction on the Local System 2009–2011 RIC Task 15 (Phase 2 of Task 10)	CH2M Hill	Howard Preston	Mark Vizecky	Farideh Amiri	6/6/11	9/30/11	LRRB	\$47,969	\$1,480	3%	

Pooled Fund Studies

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(093), TPF-5(190)	North/West Passage—Phase 3	Matt Gjersvik	Debra Fick	MN	8	2011	\$750,000	\$200,000	\$25,000	\$25,000	X
SPR-2(207)	Transportation Management Center Pooled Fund Study	Brian Kary	Debra Fick	FHWA	28	2012	\$5,407,267	\$400,000	\$50,000	\$50,010	X
TPF-5(029)	High Occupancy Vehicle	Janelle Anderson	Debra Fick	FHWA	11	2013	\$1,940,000	\$225,000	\$25,000	\$25,000	X
TPF-5(193)	Midwest States Pooled Fund Crash Test Program	Michael Elle	Debra Fick	NE	16	2011	\$2,009,155	\$1,320,863	\$66,700	\$66,700	X
TPF-5(231)	ITS Pooled Fund Program (ENTERPRISE)	Jon Jackels	Debra Fick	MI	11	2011	\$1,385,000	\$60,000	\$30,000	\$30,000	

Administrative

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	89261 WO159	CTS Operations FY10-11	University of Minnesota	Laurie McGinnis	None	Linda Taylor	7/31/09	6/30/11	SRP, PARI	\$2,400,000	\$2,400,000	100%	
N/A	89261 WO162	INV 998: Operational Research Program for Local Transportation Groups, FY2010	University of Minnesota	Jim Grothaus	Mark Maloney	Clark Moe	6/19/09	11/30/10	LRRB	\$88,000	\$88,000	100%	
N/A	89261 WO168	INV 999: RSS Report Publication Services, 2010	University of Minnesota	Gina Baas	Jake Akervik	Sandra McCully	7/17/09	7/31/10	LRRB, COPTRS	\$49,597	\$49,597	100%	
N/A	89261 WO184	Execution of Library 2009 Library Business Plan	University of Minnesota	Arlene Mathison	Sheila Hatchell	None	3/5/10	4/30/11	SRP	\$30,414	\$30,414	100%	
N/A	89261 WO219	INV 999: RSS Report Publication Services, FY2011	University of Minnesota	Arlene Mathison	Jacob Akervik	Sandra McCully	7/15/10	8/31/11	SRP, LRRB, COPTRS	\$35,913	\$35,913	100%	
N/A	89261 WO225	INV 668 LTAP 0001(210): Local Technical Assistance Program (LTAP), FY 2011	University of Minnesota	Jim Grothaus	Julie Skallman	Farideh Amiri	8/30/10	10/31/11	LRRB, Other Federal Funds	\$440,500	\$440,500	100%	
N/A	89261 WO210	INV 998: FY 2011 Operational Research Program for Local Transportation Groups (OPERA)	University of Minnesota	Jim Grothaus	Mark Maloney	Farideh Amiri	9/9/10	9/30/11	LRRB	\$90,000	\$90,000	100%	
N/A	92724	MPR-6(004): Implementation Plan Development, Closeout Memos, and Implementation Communication Products	Darlene Gorrill	Darlene Gorrill	Jacob Akervik	Benjamin Worel	4/28/08	8/31/10	SP&R, SRP	\$28,380	\$28,380	100%	
N/A	92843	MPR-6(004): Implementation & Closeout Program Administration Support	Micky Ruiz	Micky Ruiz	Shirlee Sherkow	Alan Rindels	5/30/08	8/31/10	SP&R, SRP	\$97,500	\$97,500	100%	
N/A	95283	MPR-6(019): Technical Transfer Material Development—Phase IV	CTC & Associates LLC	Patrick Casey	Jacob Akervik	Benjamin Worel	9/24/09	4/30/11	SP&R, SRP	\$99,880	\$99,880	100%	
N/A	96047	MPR-6(019): Technology Transfer Material Development—Phase V	CTC & Associates LLC	Patrick Casey	Jacob Akervik	Benjamin Worel	2/8/10	10/31/10	SP&R, SRP	\$99,763	\$99,763	100%	
N/A	96048	Library Development	Law Library Consultants, Inc.	Kathleen Bedor	None	None	4/7/10	7/31/11	SRP	\$59,995	\$59,995	100%	
N/A	97585	MPR-6(019): Technology Transfer Material Development	CTC & Associates LLC	Patrick Casey	None	Sandra McCully	9/17/10	9/30/11	SP&R, SRP	\$99,825	\$99,791	100%	
N/A	98007	MPR-6(019): Research Services Brochure	Modern Design Group	Chris Foote	Jacob Akervik	Jacob Akervik	11/30/10	1/31/11	SP&R, SRP	\$3,138	\$3,138	100%	
N/A	INV 675	INV 675: FY2011 Research Services Positions	None	None	None	None	7/1/10	6/30/11	LRRB	\$160,000	\$160,000	100%	
N/A	INV 745	INV 745: FY2011 Library Services	None	Sheila Hatchell	None	None	7/1/10	6/30/11	LRRB	\$70,000	\$70,000	100%	
N/A	89261 WO219	INV 999: RSS Report Publication Services, FY2011	University of Minnesota	Arlene Mathison	Jacob Akervik	Sandra McCully	7/15/10	8/31/11	SRP	\$49,468	\$35,913	73%	
N/A	89261 WO263	Librarian Services 2011-2012	University of Minnesota	Arlene Mathison	Sheila Hatchell	None	3/21/11	7/31/12	SRP	\$58,255	\$11,651	20%	
N/A	93463	INV 645: RIC Implementation of Research Findings (FY2009-2011)	SRF Consulting Group, Inc.	Michael Marti	Rich Sanders	Farideh Amiri	4/17/09	12/31/11	LRRB	\$497,697	\$449,234	90%	
N/A	93463 Task 6	INV 645: RIC Task 6: LRRB Product Evaluation/Roadmapping	SRF Consulting Group, Inc.	Mike Marti	Rick Kjonas	Clark Moe	2/19/09	12/31/11	LRRB	N/A	N/A	N/A	
N/A	93463 Task 7	INV 645: RIC Task 7: LRRB Outreach and Marketing	SRF Consulting Group, Inc.	Mike Marti	Tom Colbert	Clark Moe	2/19/09	12/31/11	LRRB	\$45,976	\$30,647	67%	
N/A	94156	MPR-6(005): Next Generation of ARTS Tech Support and Maintenance Services	ArchWing Innovations, LLC	Ryan Anderson	Nelson Cruz	Benjamin Worel	5/13/09	4/30/12	SP&R, SRP, Other State Funds	\$122,540	\$98,050	80%	

Administrative [cont.]

Report Number	Contract Number	Title	Contractor	Investigator	Technical Liaison	Administrative Liaison	Start Date	End Date	Funding Source	Total Cost	Amount Paid	% Paid	TS
N/A	94376	MPR-6(003): Business Assessment of RSS Processes and Tools	Trissential	Steve Beise	Ann McLellan	Benjamin Worel	11/4/09	12/31/11	SP&R, SRP, Other State Funds	\$109,920	\$74,970	68%	
N/A	95501	INV 999: Research Services and Local Road Research Board Web Site Hosting and Maintenance 2010-2011	MIS Sciences Corp	Jeff Willis	Farideh Amiri	Sandra McCully	3/17/10	1/31/12	SRP	\$16,150	\$11,900	74%	
N/A	95936	MPR-6(003): Strategic Program Development	David Johnson	Dave Johnson	Linda Taylor	Nelson Cruz	12/22/09	3/31/12	SP&R, SRP	\$50,000	\$42,165	84%	
N/A	98383	INV 645: RIC Implementation of Research Findings 2012-2014	SRF Consulting Group, Inc.	Michael Marti	Rich Sanders	Farideh Amiri	6/20/11	7/31/14	LRRB	\$465,497	\$11,782	3%	
N/A	98725	INV 916: LRRB Technical Transfer Materials Development	CTC & Associates LLC	Patrick Casey	Julie Skallman	Sandra McCully	5/20/11	9/30/11	LRRB	\$71,804	\$7,880	11%	
N/A	98726	MPR-6(019): Technology Transfer Material Development	CTC & Associates LLC	Patrick Casey	Linda Taylor	Sandra McCully	4/29/11	3/31/12	SP&R, SRP	\$99,973	\$26,499	27%	
N/A	98727	MPR-6(019): Technology Transfer Material Development—2011 Annual Reporting	CTC & Associates LLC	Patrick Casey	Linda Taylor	Sandra McCully	4/28/11	3/31/12	SP&R, SRP	\$35,102	\$3,392	10%	

Pooled Fund Studies

Study #	Title	Technical Liaison	Administrative Liaison	Lead State or Agency	Number of Participating States	Current MN Commitment End Date	Total Cost	Total MN Commitment	MN 2010 Commitment	MN 2011 Commitment	TS
TPF-5(109)	Core Program Services for a Highway Research, Development and Technology Program (TRB)	Linda Taylor	Debra Fick	FHWA	21	2011	\$7,108,855	\$510,820	\$127,705	\$127,705	
TPF-5(209)	Support of the Transportation Curriculum Coordination Council (TCCC)	Catherine Betts	Debra Fick	FHWA	10	2012	\$750,000	\$60,000	\$15,000	\$15,000	X
TPF-5(410)	National Cooperative Highway Research Program (NCHRP)	Linda Taylor	Debra Fick	FHWA	All	Ongoing	N/A	N/A	\$658,602	\$701,985	

Name	Office	Notes
TRANSPORTATION RESEARCH INNOVATION GROUP (TRIG) DIVISION REPRESENTATIVES		
MnDOT's Transportation Research Innovation Group (TRIG) is the governing board for Minnesota's State Research Program. TRIG is composed of representatives from each MnDOT office and district and meets quarterly to recommend research investments.		
Central Office		
Jim Close	Information and Technology Services	Replaced Kathy Hofstedt
Nancy Daubenberger	Bridges and Structures	Replaced Duane Hill
Mike Ginnaty	Construction and Innovative Contracting	Replaced Jon Chiglio
Susan Groth	Traffic, Safety and Technology	
Steve Lund	Maintenance Operations	
Mark Nelson	Statewide Multimodal Planning	Replaced Jonette Kreidweis
Frank Pafko	Environmental Stewardship	
Keith Shannon	Materials and Road Research	
Linda Taylor	Research Services	
Jean Wallace	Policy Analysis, Research and Innovation	Replaced Nick Thompson
District		
Lee Berget	District 4	
Amr Jabr	Metro District	
Nelrae Succio	District 6	Replaced Mike Robinson
Jim Swanson	District 7	
FHWA		
Bill Lohr		
Research Services Support Staff		
<ul style="list-style-type: none"> Nicole Peterson—Research Engineer Ann McLellan—Finance & Contract Services Bruce Holdhusen, Alan Rindels, Farideh Amiri—Roadmap Managers 		

FY2011 Key Research Services Statistics

RESEARCH MANAGEMENT

Total active contracts for research and implementation managed by MnDOT	205
Completed reports	40
Technical Summaries	53
Transportation Research Synthesis reports	5
Research Services website hits	210,133

FINANCIAL AND CONTRACT SERVICES

Contract closeouts	54
New contracts	65
Contract amendments	39
Interoffice agreements	13
Interagency or partnership agreements	7
Purchase orders	27
Total SP&R funded projects	51
-Active MnDOT-led pooled funds	11
-Other pooled funds with MnDOT contributions	23
-Single-state SP&R projects	17

LIBRARY

Total circulation	17,045
New library materials	556
Reference services provided	1,457
Literature searches	640
Interlibrary loans	687
Library website hits	205,401

Awards:

- 2011 Northern Lights merit award in visual design
- Special Libraries Association Innovation in Action award

Mission

MnDOT Research Services supports Minnesota's transportation industry by meeting the innovation and information needs of transportation practitioners and the transportation community. Research and Library Services provides service leadership, financial management, informational services and administrative support to the Federal Highway Administration (FHWA) State Planning and Research program, MnDOT's State Research Program, the Local Road Research Board and leading industry collaborations.

MnDOT Research Services Vision

Research Services fosters a professional and productive environment that leads innovative research by serving global and regional collaboration.

Our Core Values

Customer Service · Collaboration · Accountability Productivity · Results-Oriented

Tell Us About Your Research Needs

MnDOT and the Local Road Research Board welcome your research ideas for improving transportation in Minnesota. MnDOT's Transportation Research Innovation Group (TRIG), consisting of MnDOT district engineers and office directors, meets several times each year to review and select projects for funding by Research Services. For more information, please contact Linda Taylor at Linda.Taylor@state.mn.us.



Produced by CTC & Associates LLC for:

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