

MONTANA DEPARTMENT OF TRANSPORTATION
RESEARCH PROJECTS ¹
May 10, 2012

Problem Statement #	Problem Title	Technical Panel (TP) Members	TP's Formed	Lit. Search	Action			% Complete (Time)
					TP	RRC	Research: MSU/UM/ Contractor	
N/A	2011 Summer Transportation Institute (Susan Gallagher)	Kris Christensen, Sue Sillick, Lloyd Rue, Renae Johansen	Y	N/A	Positive Recommendation	N/A	WTI-6439-088 4/11-9/11 (6)	100 DONE
N/A	US 93 North Post Construction Wildlife Vehicle Collision and Wildlife Crossing Monitoring and Research (Marcel Huijser)	Pat Basting (Chair), Sue Sillick, Kris Christensen, Ed Toavs, Bonnie Gundrum, Kevin Christensen, Jonathan Floyd, Mark Zitzka/FHWA, Vickie Edwards/FWP, Dale Becker/CSKT	Y	N/A	Positive Recommendation	Approved 12/7/09	WTI-8208 1/10-1/15 (61)	66
N/A	Automatic Crash Notification: Assessing Montana's Motor Vehicle Crash and Related Injury Data Infrastructure (Tom Seekins)	Steve Albert/WTI, Phil Balsley, Becky Burger/DOA, Jim DeTienne/DPHHS, Jake Boltz & Calvin Schock/Highway Patrol, Steve Keller, Nels Sanddal/Critical Illness & Trauma Foundation, Danielle Murphy, Marcee Allen/FHWA, Max Sevareid/NHTSA, Sue Sillick, Kris Christensen	Y	Y	Positive Recommendation	N/A	UM-6608 2/09-9/12 (44)	91
N/A	Oil Boom Effect on Transportation System (Denver Tolliver)	Chris Dorrington (Chair), Doug McBroom, Dwane Kailey, Roy Peterson, Kraig McLeod, Ted Little, Dan Hill, Jim Skinner, Shane Mintz, Sue Sillick, Brian Hasselbach/FHWA, Steve Jenkins/LTAP	Y	N/A	Positive Recommendation	Approved 3/28/12	NDSU-8219 5/12-5/13 (13)	0
N/A	Concrete Median Barrier Condition and Transition Plan (David Veneziano)	Damian Krings (Chair), Dwane Kailey, John Buchanan, Dave Hand, Sue Sillick, Mark Zitzka (FHWA)	Y	N/A	Positive Recommendation	Approved 2/13/12	WTI-8117-41 2/15/12-6/12 (4)	75
04.016	US 93 South Wildlife Crossing Structure Evaluation (Patricia Cramer)	Pat Basting (Chair), Sue Sillick, Kris Christensen, Nigel Mends, Bonnie Gundrum, David Hedstrom, Craig Jourdonnais/FWP	Y	Y	Positive Recommendation	Approved 5/27/08	Patricia Cramer- 8194 8/08-7/2015 (84)	55
8.013	GPR Analysis - Phase II (Ken Maser)	Jon Watson (Chair), John Amestoy, Milo Borglum, Dan Hill, Greg Zeihen, Lee Grosch, Bob Burkhardt/FHWA, Craig Abernathy	Y	N/A	Positive Recommendation	Approved (1/27/10)	Infrasense-8201 3/10-8/11 (18)	100 DONE
09.004	Research the Feasibility of Utilizing Recycled Asphalt Pavement (RAP) in Portland Cement Concrete Pavement (Mike Berry)	Bob Weber (Chair), Oak Metcalfe, Stan Kuntz, Bill Rowley, Bill Henning, Beth Bermel, Matt Needham, Kris Christensen, Mark Zitzka/FHWA, Mike Berry/WTI	Y	Y	Positive Recommendation	Approved 12/7/09	WTI-8207 1/15/2010-7/12 (31)	94
09.005	Motor Fuel Refunds (Pat McGowen)	Bob Turner (Chair), Vicky Murphy, Traci Halubka, Marie Stark, Gayna Miros, Craig Abernathy, Kris Christensen, Bob Burkhardt/FHWA, Pat McGowen/WTI	Y	Y	Positive Recommendation	Approved 12/7/09	WTI-8205 1/15/10-6/11 (18)	100 DONE
09.008	Recycling Recovered Sanding Material (Bob Mokwa and Eli Cuelho)	Ed Toavs (Chair), Justun Juelfs, Bill Sansom, Kris Christensen, Sue Sillick, Michael Kulbacki	Y	Y	Positive Recommendation	Approved 1/19/10	WTI-MSU-8213 4/11 to 9/12 (18)	78
09.016	Steel Pipe Pile/Concrete Pile Cap Bridge Support Systems: Confirmation of Connection Performance-Phase III (Mike Berry and Jerry Stephens)	Kent Barnes (Chair), Scott Walter, Bryan Miller, Jeff Olsen, Craig Abernathy, Jeff Patton/FHWA, Jerry Stephens/WTI	Y	N/A	Positive Recommendation	Approved 6/30/09	WTI-MSU-8203 8/09-7/12 (37)	95
10-002	Evaluation of a New Arch Bridge (Eli Cuelho and Jerry Stephens)	Kent Barnes (chair), Mark Goodman, Bill Semmons, Jeff Jackson, Craig Abernathy, Bob Burkhardt/FHWA, Jerry Stephens/WTI	Y	Y	Positive Recommendation	Approved 1/19/10	WTI-MSU-8212 4/11 to 3/12 (12)	On Hold Pending Redirection

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					TP	RRC	Research: MSU/UM/ Contractor	
10-008	Relative Operational Performance of Geosynthetics Used as Subgrade Stabilization (MT led pooled-fund) (Eli Cuelho and Steve Perkins)	Jeff Jackson (chair), John Huber, Terry Wickman, Dan Hill, Craig Abernathy, Mark Zitzka/FHWA, Brian Collins/FHWA, Bob Longbons/SDDOT, Jim Coffin/WYDOT, Tri Buu/ITD, Barry Christopher/Christopher Consultants, Eli Cuelho/WTI, Steve Perkins/WTI	Y	N/A	Positive Recommendation	Approved	WTI-MSU - 7712 12/11-11/13 (24)	25
10-009	A Comparison of Predicted and Measured Prestress Losses (Mike Berry)	Kent Barnes (chair), Jeff Olsen, Scott Walker, Craig Abernathy, Michael Kulbacki/FHWA, Brian Kukay/ MT Tech	Y	Y	Positive Recommendation	Approved 5/25/11	WTI-MSU & MT Tech - 8215 9/11-3/14 (31)	29
10-013	Flood Frequency Analyses for Montana Based on Data Through Water Year 2009 (Peter McCarthy)	Mark Goodman (Chair), Craig Abernathy, Lesly Tribelhorn, Dave Johnson, Dave Hedstrom, Eric Thunstrom, Alan Woodmansey/FHWA, Peter McCarthy/Steve Sandos-USGS, Steve Story/DNRC	Y	N/A	Positive Recommendation	Approved 5/26/10	USGS-8209 7/10-7/13 (37)	62
10-015	Montana Intercity Bus Service Study (David Kack)	David Jacobs (Chair), Doug McBroom, Audrey Allums, Hal Fossum, Colleen Pankratz/Glasgow-Valley County Transit, Lyn Hellegaard/MRTMA, Kris Christensen, Bob Seliskar/FHWA, David Kack/WTI	Y	Y	Positive Recommendation	Approved 10/27/10	WTI-8211 11/10-12/11 (14)	100 DONE
10-016	Assessing the Extent and Determinates of Induced Growth (Al Racciatti)	Tom Atkins (Chair), Kris Christensen, Jolyn Eggart, Al Vander Wey, Hal Fossum, John O'Mara, Tom Gocksch, Brian Hasselbach/FHWA	Y	Y	Positive Recommendation	Approved 10/24/11	Louis Berger-8216 11/11-10/12 (12)	50
10-021	Livability Benchmarks for Montana Transportation (Steve Albert)	Doug McBroom (Chair), Hal Fossum, Audrey Allums, Janet Kenny, Jim Skinner, Wayne Noem, Jim Greil, Kris Christensen, Lloyd Rue/FHWA, Pat McGowen/WTI	Y	Y	Positive Recommendation	Approved 7/6/10	WTI-8210 7/10-3/12 (21)	100 DONE
11-005	Montana Weigh-in-Motion (WIM) Strategy	Bill Cloud (Chair), Lynn Zanto, Becky Duke, Tedd Little, Hal Fossum, Dennis Hult, Kent Barnes, Dan Hill, Craig Abernathy, Jerry Stephens/WTI, and Jeff Patten/FHWA	Y	Met 8/26/11, 10/31/11				
11-006	Re-evaluation of Montana's Air Quality Program (James Wilson, Jr.)	Janet Kenny (Chair), Doug McBroom, John Buchanon, Cora Helm, Kris Christensen, Lloyd Rue/FHWA, and Jim Carlson/Missoula Co	Y	Met 8/15/11	Positive Recommendation	Approved 3/28/12	TranSystems Corp-8220 5/12-5/13 (13)	8
11-007	Evaluating Wildlife-Vehicle Collisions and Habitat Connectivity in the Madison Valley (Angela Kociolek)	Deb Wambach (Chair), Kraig McLeod, John O'Mara, Jim Davies, Kris Christensen, Brian Hasselbach/FHWA, and Julie Cunningham/FWP	Y	N/A	Positive Recommendation	Approved 3/28/12	WTI- 8217 4/12-12/14 (33)	15
11-009	A Peer-to-Peer Traffic Safety Campaign Program (Laura Stanley)	Priscilla Sinclair (Chair), Michelle Erb, Katie Potts, Roy Peterson, Carol Strizich, Lorelle Demont, Pam Buckman, Kris Christensen, Marcee Allen/FHWA, Jim McGrane/Helena School District Counselor and Driver's Education, Fran Penner-Ray/OPI, and Laura Stanley/WTI	Y	N/A	Positive Recommendation	Approved 3/28/12	WTI- 8218 5/12-10/13 (18)	6

Notes:

1. Projects which have been completed for six months are removed from this list in June and December