

MONTANA DEPARTMENT OF TRANSPORTATION  
RESEARCH PROGRAMS  
EXPERIMENTAL PROJECTS LISTING  
MAY 2018

	Status	Project No.	District	Project Name	Experimental Feature	Project Contacts	Formal/ Informal	FHWA Work Plan	Date Constructed	Constr. Report Posted	Annual Report Posted	Final Report Posted	Comments	Project End Date
1	<sup>1</sup> Active	IM 15-6(35)309	Great Falls	Dutton North & South	Crack Seal Effectiveness for Milled Transverse Cracking	Mike Klette, John Huber	F	Y	2005	2006	2006-2017	Pending	Project will remain under active analysis	N/A
2	Active	SFCS 313-1(18)22 CN 5894	Billings	St. Xavier N&S	Chip Seal as Interlayer to Mitigate Reflective Cracking	Jay Muhlbeier	I	Y	2008	2008	2009-2017	Pending	Project will remain under active analysis	N/A
3	Active	UPN 6944000-UPP 8199(100)/STPP-STPE 13-5(8)96	Missoula/Butte	Three Forks – Urban/Missoula – Clements Rd.	MetaDome Steel and Cast Iron DWD for Asphalt Installations	Joe Nye	F	Y	2012	2012	2013-2015	Pending	Construction Completed	2018
4	Active	IM90-1(80)0/M-MT 15-4(107)19	Great Falls	SCI Crash Attenuator	Determine Effectiveness of Reusable Crash Cushion	Joe Nye	F	Y	2012	2012	2013-2017	Pending	Construction Completed	2018
5	Active	STPP 3-3(22)65	Great Falls	SE of Dupuyer - SE	Geosynthetic Reinforced Soil / Integrated Bride System (GRS/BS)	Kent Barnes	F	Y	2013	2013	2014-2017	Pending	Construction Completed	2018
6	Active	HSIP 4-1(63)43	Billings	Rockvale - Laurel	3M Ceramic Elements and Visimax Plus Elements Pavement Beads	Joe Nye	F	Y	2013	2013	2014-2017	Pending	Construction Completed	2018
7	Active	HSIP 16-2(14)47 SF119/HSIP 52-2(38)49	Missoula/Billings	South of Roundup/East of Kalispell	PolyCarb Mark Deck Seal and Friction System	Joe Nye	F	Y	2013	2014	2015-2017	Pending	Construction Completed	2019
8	Active	STPP 45-1(26)0/HSIP 52-2(44)31	Missoula/Billings	Big Timber - Big Fork	Dayton Superior Deck Seal and Friction System	Gabe Priebe/Randy Boysen	F	Y	2015	2015	2016-2017	Pending	Construction Completed	2020
9	Active	UPP 1020(20) UPN 7719000	Billings	Montana Ave & Laurel Road	Square-Coupler Break-Out Flush Base Sign Support	Joe Nye/Rod Nelson	F	Y	2013	2013	2014-2017	Pending	Construction Completed	2018
10	Active	HSIP 49-2(10)14	Butte	Curve Near Beaverhead Rock	TAPCO BlinkerBeam & BlinkSync Dynamic LED Curve Warning System	Jim Davies	F	Y	2013	2013	2014-2017	Pending	Construction Completed	2018
11	Active	HSIP 8-2(90)28	Great Falls	MacDonald Pass SFTY IMPRV	TAPCO BlinkerBeam & BlinkSync Dynamic LED Curve Warning System	Mike Grover	F	Y	2017	Pending	Pending	Pending	Construction Completed w/Amendments	2022
12	Active	BH STWD (043) - CN 6837000	Billings	Br Deck Rehab/Repair 11-Three Decks	Polyester Polymer Concrete Overlay/Bridge Deck Rehabilitation	Jeff Olsen	F	Y	2013	2014	2015-2017	Pending	Construction Completed	2018
13	Active	HWY-311641-RP	Missoula	Marias Pass	Fog Seal – Seal and cover – Post Fog Seal	Jody Bachini	I	N/A	2015	2015	2015-2017	Pending	Construction Completed	2018
14	Active	NH 92-1(12)0	Missoula	Pavement Markings – Reserve St.	Contrast Striping and Enhanced Pavement Markings Retroreflectivity	Gabe Priebe	F	Y	2015	2015	2016-2017	Pending	Construction Completed	2018
15	Active	Augustus North - SE of Dupuyer - N of Dupuyer	Great Falls	FMC	Asphalt Pavement Preservation	Justin Juelfs	I	N/A	2015	2015	2016-2017	Pending	Construction Completed	2020
16	Active	IM 90-1(215)0:	Missoula	Taft - West	Fog Seal on Chip Seal	Damian Krings	F	Y	2015	2015	2016-2017	Pending	Construction Completed	2020
17	Active	STPP 87-1(11)0	Butte	Jct. Reynolds Pass - Quake Lake	Geocomposite Application	Jennifer Nelson	F	Y	2017	2017	2018	Pending	Construction Completed	2022
18	Active	STPP 17-1(10)11	Glendive	Milk River - North	Base One Stabilization	Jacquelyn Smith	F	Y	2017	2018	Pending	Pending	Construction Completed	2023
19	Active	STPP 6-1(126)57	Missoula	Thompson River East	Wildlife Crossing	Aaron Mason	F	Y	2018	Pending	Pending	Pending	Construction Completed	N/A
20	Active	NH 12-1(20)0	Butte	Targhee Pass-West Yellowstone	Fog Seal on Chip Seal	Greg Zeihen	F	Y	2017	2017	Pending	Pending	Construction Completed	2022

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21	Active	STPP 17-1(7)0	Glendive	FT Peck – NE	Frost Heave Mitigation	Donald Berg	F	Y	2017	Pending	Pending	Pending	Construction Completed	2022
22	Active	UPP 5201(24)	Great Falls	Smelter-1st to 5th St NW (GTF)	Geosynthetic	Christie McOmber	F	Y	2018	Pending	Pending	Pending	Construction Completed	2023
23	Active	PLN-MT-16-01	Great Falls	Henderson ATC	Traffic Counter Evaluation	Ted Little	F	&	2017	Pending	Pending	Pending	Construction Completed	2023
24	Active	UPN 9370	Glendive	Sinusoidal CLRS	Center Line Rumble Strip	Roy Peterson	I	N/A	2018	Pending	Pending	Pending	Construction Completed	2023
25	Active	HSIP 8-2(90)28	Butte	MacDonald Pass Safety Improvement	TAPCO BlinkerBeam & BlinkSync Dynamic LED Curve Warning System	Michael Grover	F	Y	2017	2017	Pending	Pending	Construction Completed	2022
1	<sup>2</sup> Completed	IM 15-4(129)229	Great Falls	Augusta I-15 Interchange to Craig	Fencing Project using Stay-Tuff, High-Tensile Woven Wire	Joe Nye	F	Y	2011	2011	2012-2015	2016	Project Complete	2016
2	Completed	HSIP 69-1(22)2	Butte	East of Whitehall	Evaluation of Strieter-Lite Wild Animal Highway Warning Reflector System™	Jay Quilici	F	Y	2010	2011	2011-2013	2014	Project Complete	2014
3	Completed	HWY-311172-RP	Great Falls	Helena Striping	Pavement Marking Tape	Doug Mgbroom	F	Y	2015	2015	2015-2016	2016	Project Complete	2016
4	Completed	IM 90-9(112)544	Billings	Wyoming Line – North	CHFRS-2P - High Float and Polymer Modified emulsion Seal & Cover	Mike Taylor	F	Y	2013	N/A	N/A	N/A	Project Complete	2018
5	Completed	STPP 14-2(20)63	Butte	Checkerboard - Martinsdale	A2000 PVC Irrigation Line off ROW	Marc Wotring	F	Y	2012	2012	2013-2015	2016	Project Complete	2016
6	Completed	STPU 8014(1),	Glendive	Tatro Street-Miles City	Polyvinyl Chloride (PVC) Storm Drain Lines	Marc Wotring	F	Y	2015	2015	N/A	Pending	Project Complete	2020
7	Completed	Maintenance	Missoula	Beavertail	Fog Seal over Chip Seal (FSCS)	Justin Juelfs	I	Y	2011	2011	2013-2015	Pending	Project Complete	2016
8	Completed	STPS 325-1(3)0	Great Falls	JCT US 2 North	Aluminum Box Culvert (ABC)	Joe Nye	F	Y	2012	2012	2013-2016	2017	Project Complete	2017
9	Completed	IM 15-1(109)0	Butte	Monida-Lima-SB	Warm Mix Asphalt	Geno Liva, Matt Stritzlch	F	Y	2011	2011	2012-2014	2015	Project Complete	2016
10	Completed	STPP 1-2(93)121	Missoula	Idaho St. - East Kalispell	Thin Whitetopping (composite)	N/A	F	Y	2000	2000	2001-2009	2010	Project Complete	2010
11	Completed	STPP 18-1(9)18	Glendive	Rosebud Co. Hwy 59 MP 18-31	Use of HDPE Culverts for Mainline Applications	Mark Goodman	F	Y	2007	2008	2008-2011	2012	Project Complete	2012
12	Completed	IM 15-5(101)270	Great Falls	Cascade Co. I-15 Approx. MP 270	Use of Recycled Plastic Mats for Use as Weed/Erosion Control on Guardrail Posts	Paul Jagoda	F	Y	2007	2009	2009-2010	2011	Project Complete	2011
13	Completed	IM-STPHS 90-8(152)432	Billings	West Laurel Interchange, I-90	Installation of Anti-Icing (FAST) System on Area Bridge	Pierre Jomini, Tom Tilzey	F	Y	2007	2007	2008-2010	2011	Project Complete	2011
14	Completed	South NH 7-1(14)44/North STPP-SFCP 32-2(16)52	Missoula/Glendive	Hamilton-South, Scoby-North	Chip Seal Crush and Stockpile for Future Projects	Kevin Christensen	I	N/A	N/A	N/A	N/A	N/A	Project Complete	2011
15	Completed	IM 15-5(101)270	Great Falls	Ulm-East	Edge-line Pavement Markers on Rumble Stripes	Paul Jagoda, Billy Maart	I	N/A	2007	2008	2008-2010	2011	Project Complete	2011

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16	Completed	NH-STPU-CM-MT-STPE 15-4(108)191	Butte	South Helena Interchange	High-Performance Concrete Bridge Deck	Kent Barnes	F	Y	2007	2008	2009	2010	Project Complete	2010
17	Completed	NH-HFL 8-1(30)23	Great Falls	MacDonald Pass	Culvert Rehabilitation using Two Types of Liners (CIPL/HDPE)	Mark Goodman	F	Y	2008	2008	2009-2012	2013	Project Complete	2013
18	Completed	Maintenance	N/A	Avon, Elliston, Deerlodge	New Techniques for Preparing Thermoplastic Pavement Markers Prior to Seal and Coat	Bill Fogarty	F	Y	06/2008	2008	2009-2012	2013	Project Complete	2013
19	Completed	NH 37-3(11)85	Glendive	Epsie - East & West	Analysis of Geo-ridge Erosion Control Permeable Ditch Berm	Ray Mengel	I	N/A	2006-2007	2008	N/A	2009	Project Complete	2009
20	Completed	STPS 279-1(14) CN 6234	Great Falls	Flesher pass - East	Assessment of Various Pavement Reinforcement for Reduction of Reflective Cracking	Dustin Rouse	F	Y	2008	2008	2009-2012	2013	Project Complete	2013
21	Completed	N/A	Helena	N/A	Redi-Torque Multi-directional Slip Base Traffic Sign Support	Joe Nye	I	N/A	2011	2011	N/A	2011	Project Complete	2011
22	Completed	IM 90-4(48)207	Butte	Deer Lodge County I-89	Evaluation of Supplemental Wind Power for Interstate Rest Area	Dean Harris	F	Y	2008	2010	2010-2011	2012	Project Complete	2012
23	Completed	IM 94-6(50)209	Glendive	Glendive East & West	Placement of Plant Mix Seal (.75") on Diamond Ground PCCP	District Level	F	Y	2010 & 2011	2011	2011-2015	2015	Project Complete	2015
24	Completed	Maintenance	Butte	Elk Park	Application Procedures and Performance of Urethane Based Epoxy	Joe Nye	F	Y	2012	2012	2013-2015	2015	Project Complete	2015
25	Completed	STPP 6-1(87)56	Missoula	Thompson River East	Osterberg (O-Cell) Test Verification	Tyrell Murfitt	F	Y	2013	N/A	N/A	2015	Project Complete	2015
26	Completed	IM 15-4(129)229	Great Falls	I-15 Augusta Interchange-Craig	Use of TD5200 Boomerang Reboundable Surface Mount Delineator	Christie McOmber	F	Y	2012	2012	N/A	2012	Project Complete	2012

<sup>1</sup>Active – Project is in-service and under active analysis.

<sup>2</sup>Completed – In-service analysis completed; Click on [All Project Listings link](#) (below) to view list of experimental projects.

Pending – Project is LET and tentively scheduled for installation and will be added to the Active category once construction is completed.

[All Project Listings](#)