

Active Experimental Project Listing

	Project No.	District	Project Name	Experimental Feature	¹ ExPM	Project Contacts	Approved Work Plan	Date Constructed	Constr. Report Posted	Annual Report Posted	Final Report Posted	Comments	Project End Date
1	STPP 18-1(9)18	Glendive	Angela North & South	Aggregate Base Preparation Test Sites	CLA	Geno Liva	Y	Pending				Currently on hold: Pending for more applicable project	
2	IM 15-6(35)309	Great Falls	Dutton North & South	Crack seal effectiveness for milled transverse cracking	CLA	Mike Klette, John Huber	Y	08/2005	10/2006	2006, 2007, 2008, 2009, 2010, 2011		Project just now exhibiting pavement distress. Will extend project 3 seasons	2015
3	NH 57-3(33)70	Billings	Lewistown - West	Cement Treated Base (CTB) Deploying Various Percentages of Class C Fly Ash	CLA	Mike Lynch	Y	Pending				Project cancelled: Pending for more applicable project site	
4	STPP 18-1(9)18	Glendive	Rosebud Co. Hwy 59 MP 18-31	Use of HDPE culverts for mainline applications	CLA	Mark Goodman	Y	09/2007	1/2008	2008, 2009, 2010, 2011		Semi-annual site visits	2013
5	IM-STPHS 90-8(152)432	Billings	West Laurel Interchange, I-90	Installation of Anti-icing (FAST) device on area bridge	CLA	Pierre Jomini, Tom Tilzey	Y	02/2007	09/2007	2008, 2009, 2010	2011	Due to continuing problems with the FAST operating system the District has elected to discontinue service unit further notice	2011
6	South NH 7-1(14)44/North STPP-SFCP 32-2(16)52	Missoula/Glendive	Hamilton-South, Scooby-North	Chip seal crush and stockpile for future projects	CLA	Kevin Christensen	N/A	N/A	N/A	N/A	N/A	Project Complete	2011
7	NH-HFL 8-1(30)23	Great Falls	MacDonald Pass	Culvert Rehabilitation using Two Types of Liners (CIPL/HDPE) Highways for Life	CLA	Mark Goodman	Y	10/2008	10/2008	2009, 2011		Due to incimate weather the 2010 site visit did not take place	2013
8	N/A	N/A	Avon, Elliston, Deerlodge	New Techniques for Preparing Thermoplastic Pavement Markers prior to Seal and Coat	CLA	Bill Fogarty	Y	06/2008	10/2008	2009, 2010, 2011		N/A	2013
9	SFCS 313-1(18)22 CN 5894	Billings	St. Xavier N&S	Chip Seal as Interlayer to Mitigate Reflective Cracking	CLA	Jay Muhlbeier	Y	06/2008	10/2008	2009, 2010, 2011		N/A	2013
10	STPS 279-1(14) CN 6234	Great Falls	Flesher pass - East	Assessment of various Pavement Reinforcement for Reduction of Reflective Cracking	CLA	Dustin Rouse	Y	10/2008	12/2008	2009, 2011		Due to incimate weather the 2010 site visit did not take place	2013
11	IM 90-4(48)207	Butte	Deer Lodge County I-89	Evaluation of supplemental wind power for interstate rest area	CLA	Dean Harris	Y	10/2008	10/2010	2010		The wind turbine has not been functioning since January of 2011	2013
12	IM 15-1(109)0	Butte	Monida-Lima-SB	Warm Mix Asphalt	KC	Geno Liva, Matt Strizich	Y	07/2011	11/2011	Pending		Construction completed	2016
13	HSIP 69-1(22)2	Butte	East of Whitehall	Evaluation of Strieter-Lite wild animal highway warning reflector system™ on reducing vehicle-animal collisions	KC	Jay Quilici	Y	10/2010	2/2011	2011		Installed; Construction report posted	2015
14	IM 94-6(50)209	Glendive	Glendive East & West	Placement of Plant Mix Seal (.75") on Diamond Ground PCCP	CLA	District Level	Y	11/2010, 7/2011	1/2011	2011		N/A	2016
15	Pending	Great Falls	Augusta I-15 Interchange to Craig	Fencing Project using Stay-Tuff, high-tensile woven wire	CLA	Joe Nye	Y	11/2011	12/2011			N/A	2017
16	STPP 69-1(19)22	Missoula	Boulder South	ElectroBraid Mat to deter wildlife crossing	KC	Gabe Priebe/Deb Wambach	Y	Pending	Pending			N/A	2019
17	HSIP 90-1(171)23	Missoula	ITS – East of Henderson	Install ITS real time speed warning signs to alert heavy vehicles (truck/tractor)	KC	Ivan Ulberg	Y	Pending	Pending			Construction Pending	
18	NH 5-3(108)122	Missoula	JCT MT 40 - South	Paving mats to mitigate longitudinal cracking	CLA	Mike Hillen	Pending	Pending	Pending			Project location may change	
19	Pending	Pending	Pending	Reclaimed Asphalt Pavement in HMA production	N/A	Matt Strizich	Pending					Pending project selection in 2012	
20	STPP 14-2(20)63	Butte	Checkerboard - Martinsdale	A2000 PVC Irrigation Line off ROW	CLA	Marc Wotring	Y	06/2012				N/A	

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21	STPP 78-1(8)0	Billings	Red Lodge - NW	Pedestrian/Bike Flashing Crossing Sign	Pend	Ryan Dahlke	Pending					N/A	
22	Pending	Pending	Pending	ZBar (Zinc/Epoxy Coated Re-bar) Deck Installation	CLA	Kent Barnes	Pending					Project may be selected in 2013	
23	Pending	Pending	Pending	New Arch Bridge (Bridge-in-a-Backpack) Demonstration Project	CLA	Kent Barnes	Pending					The Bridge Bureau is looking for candidates to apply this technology	
24	Pending	Glendive	Pending	Culvert Rehabilitation Using Spray-on Liner Treatment	CLA	Kent Shepard	Pending					N/A	
25	STPS 278-1(28)31	Butte	Big Hole Pass Slide Repair	Use of Soil Nail Launcher for Slope Stabilization	CLA	Scott Helm	Y	06/2012				N/A	
26	IM 15-4(129)229	Great Falls	I-15 Augusta Interchange-Craig	Use of TD5200 Boomerang Reboundable Surface Mount Delineator	CLA	Christie McOmber	Y	06/2012				N/A	
27	Pending	Great Falls	SCI Crash Attenuator	Determine Effectiveness of Reusable Crash Cushion	CLA	Joe Nye	Y					Locations under current consideration	
28	Pending	Billings	Main Street Beautification	Installation of Artificial Grass on Roadway Medians	KC	Stephen Streeter	Y					Pending on Contractor ability to raise donated funding for project	
29	Pending	Missoula	Pending	Guard Rail Reflectors	CLA	Joe Nye	Pending					N/A	
30	Pending	Pending	Pending	Application Procedures and Performance of Urethane Based Epoxy	CLA	Joe Nye	Pending					Project selection may take place in 2012	
31	Pending	Pending	Pending	Use of FRP reinforcement bars in deck application	CLA	Nigel Mends	Pending					N/A	
32	N/A	Missoula	Beavertail	SSI/Chip Seal Modification	CLA	Justin Juelfs	Y	10/2011	12/2011			N/A	2016
33	STPS 325-1(3)0	Great Falls	JCT US 2 North	Aluminum Box Culver (ABC)	CLA	Joe Nye	Pending	2012				N/A	
34	Pending	Missoula	Pending	Durability of Centerline Rumble Strips	CLA	Paul Ferry	Pending	2012				N/A	
35	STPP 3-3(22)65	Great Falls	SE of Dupuyer - SE	Geosynthetic Reinforced Soil / Integrated Bride System (GRS/IBS)	CLA	Kent Barnes	Pending	2012				N/A	
36	Pending	Billings	Pending	Use of Ceramic Beads to Enhance Nighttime Retroreflectivity with Pavement Markers	CLA	Joe Nye	Pending	2012				N/A	
37	Pending	Butte	Pending	Urethane Epoxy Pavement Markings	CLA	Joe Nye	Pending	2012				N/A	
38	ARRA 27-2(19)24	Glendive	Junction S-322-South	Use of Geogrid to reduce base course reduction	CLA	Matt Strizich	Y					This project has been nominated for geogrid base course reduction but has been put on hold for possible inclusion to another site	
39	NH 1-6(63)386	Great Falls	Havre - East	Use of Geogrid to reduce base course reduction	CLA	Matt Strizich	Pending	10/2011	Pending			Construction is completed. Due to the short time-frame Research was involved and how the product was used may not receive competent reporting	

¹Experimental Project Manager