

MONTANA DEPARTMENT OF TRANSPORTATION
RESEARCH PROGRAMS
EXPERIMENTAL PROJECTS LISTING
October 2020

	Status	Project No.	District	Project Name	Experimental Feature	Project Contacts	Date Constructed	Constr. Report Posted	Annual Report Posted	Final Report Posted	Comments	Project End Date
1	Active	STPP 17-1(10)11	Glendive	Base One Aggregate Base Stabilization	Soil Stabilization	Jacquelyn Smith	2018	2018	N/A	Pending	Construction Completed	2023
2	Active	IM 90-1(205)59	Missoula	Sprayroq-SprayWall Polyurethane Applied Lining	Culvert Rehabilitation	Jennifer Nelson	2017	2017	2018-2109	Pending	Construction Completed	2022
3	Active	Augustus North - SE of Dupuyer - N of Dupuyer	Great Falls	FMC	Pavement Rehabilitation	Justin Juelfs	2015	2015	2020	Pending	Construction Completed	2021
4	Active	IM 15-5(124)282	Great Falls	3/8" Asphalt Cement (AC) Mix	AC Pavement Evaluation	Jim Davies	2017	2018	2020	Pending	Construction Completed	2022
5	Active	IM 90-1(220)6	Missoula	Exit 5 – East	Fog Seal on Chip Seal (FSCS)	Jim Davies	2017	2017	2020	Pending	Construction Completed	2022
6	Active	IM 90-1(215)0:	Missoula	Taft - West	Fog Seal on Chip Seal (FSCS)	Damian Krings	2015	2015	2020	Pending	Construction Completed	2020
7	Active	STPP 87-1(11)0	Butte	Jct. Reynolds Pass - Quake Lake	Geocomposite Application	Jennifer Nelson	2017	2017	2020	Pending	Construction Completed	2022
8	Active	STPP 17-1(10)11	Glendive	Milk River - North	Base One Stabilization	Jacquelyn Smith	2018	2018	2020	Pending	Construction Completed	2023
9	Active	STPP 6-1(126)57	Missoula	Thompson River East	Wildlife Crossing	Aaron Mason	2019	Pending	Pending	Pending	Construction Completed	N/A
10	Active	NH 12-1(20)0	Butte	Targhee Pass-West Yellowstone	Fog Seal on Chip Seal	Greg Zeihen	2017	2017	2020	Pending	Construction Completed	2022
11	Active	STPP 17-1(7)0	Glendive	FT Peck – NE	Frost Heave Mitigation	Donald Berg	2017	*Pending	Pending	Pending	Construction Completed	2022
12	Active	UPP 5201(24)	Great Falls	Smelter-1st to 5th St NW (GTF)	Geosynthetic	Christie McOmber	2018	2018	2020	Pending	Construction Completed	2023
13	Active	UPN 9370	Glendive	Sinusoidal CLRS	Center Line Rumble Strip	Roy Peterson	2018	2018	2020	Pending	Construction Completed	2023
14	Active	STPS 218-1(12)0	Great Falls	Conrad East	Mastic One	Christie McOmber	2020	Pending	Pending	Pending	Construction Completed	2025
15	Active	STPP 83-1(41)32	Missoula	Condon N & S	Void-reducing Asphalt Membrane	Zachery Stewart	2020	2020	Pending	Pending	Construction Completed	2025
16	Active	NH 1-6(123)355	Great Falls	Gildford East	CRS-2P (Partial Fog)/CHFRS-2P Seals	Christie McOmber	2020	2020	Pending	Pending	Construction Completed	2025
17	Active	STPP 6-1(155)99	Missoula	Dixon West	Chip Sea Performance Comparison	Jim Davies	2019	2019	2020	Pending	Construction Completed	2024
18	Active	ER 35(21)	Billings	Valentine Road Repair	Flexamat Erosion Control	Dave Hedstrom	2020	Pending	Pending	Pending	Construction Pending	2025

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19	Active	IM 94-6(59)193	Glendive	Bad Route Interchange - NE	In-Slope Treatments	Jim Frank	2020	Pending	Pending	Pending	Construction Pending	2025
1	Completed	BH STWD (043) - CN 6837000	Billings	Br Deck Rehab/Repair 11-Three Decks	Polyester Polymer Concrete Overlay/Bridge Deck Rehabilitation	Jeff Olsen	2014	2014	2015-2018	2020	Project Complete	2020
2	Completed	BH STWD (043) - CN 6837000	Billings	Br Deck Rehab/Repair 11-Three Decks	Polyester Polymer Concrete Overlay/Bridge Deck Rehabilitation	Jeff Olsen	2014	2014	2015-2019	Pending	Project Complete	2020
3	Completed	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	2014	2014	2015-2019	2020	Project Complete	2020
4	Completed	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	2015	2015	2016-2019	2020	Project Complete	2020
5	Completed	UPP 1020(20) UPN 7719000	Billings	Montana Ave & Laurel Road	Square-Coupler Break-Out Flush Base Sign Support	Joe Nye/Rod Nelson	2013	2013	2014-2016	2017	Project Complete	2017
6	Completed	HSIP 49-2(10)14	Butte	Curve Near Beaverhead Rock	TAPCO BlinkerBeam & BlinkSync Dynamic LED Curve Warning System	Jim Davies	2013	2013	2014-2017	2017	Project Complete	2018
7	Completed	IM 15-6(35)309	Great Falls	Dutton North & South	Crack Seal Effectiveness for Milled Transverse Cracking	Mike Klette, John Huber	2005	2006	2006-2017	2018	Project Complete	2018
8	Completed	SFCS 313-1(18)22 CN 5894	Billings	St. Xavier N&S	Chip Seal as Interlayer to Mitigate Reflective Cracking	Jay Muhlbeier	2008	2008	2009-2017	2018	Project Complete	2018
9	Completed	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	2012	2012	2013-2016	2017	Project Complete	2017
10	Completed	IM90-1(80)0/M-MT 15-4(107)19	Great Falls	SCI Crash Attenuator	Determine Effectiveness of Reusable Crash Cushion	Joe Nye	2012	2012	2013-2017	2018	Project Complete	2018
11	Completed	STPP 3-3(22)65	Great Falls	SE of Dupuyer - SE	Geosynthetic Reinforced Soil / Integrated Bride System (GRS/IBS)	Kent Barnes	2013	2013	2014-2017	2018	Project Complete	2018
12	Completed	HSIP 4-1(63)43	Billings	Rockvale - Laurel	3M Ceramic Elements and Visimax Plus Elements Pavement Beads	Joe Nye	2013	2013	2014-2017	2018	Project Complete	2018
13	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	2011	2011	2012-2015	2016	Project Complete	2016
14	Completed	HSIP 69-1(22)2	Butte	East of Whitehall	Evaluation of Strieter-Lite Wild Animal Highway Warning Reflector System™	Jay Quilici	2010	2011	2011-2013	2014	Project Complete	2014
15	Completed	HWY-311172-RP	Great Falls	Helena Striping	Pavement Marking Tape	Doug McBroom	2015	2015	2015-2016	2016	Project Complete	2016
16	Completed	NH 92-1(12)0	Missoula	Pavement Markings – Reserve St.	Contrast Striping and Enhanced Pavement Markings Retroreflectivity	Gabe Priebe	2015	2015	2016-2017	2019	Construction Completed	2018
17	Completed	STPP 14-2(20)63	Butte	Checkerboard - Martinsdale	A2000 PVC Irrigation Line off ROW	Marc Wotring	2012	2012	2013-2015	2016	Project Complete	2017

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18	Completed	STPU 8014(1),	Glendive	Tatro Street-Miles City	Polyvinyl Chloride (PVC) Storm Drain Lines	Marc Wotring	2015	2015	N/A	N/A	Project Complete	2020
19	Completed	Maintenance	Missoula	Beavertail	Fog Seal over Chip Seal (FSCS)	Justin Juelfs	2011	2011	2013-2015	2016	Project Complete	2016
20	Completed	STPS 325-1(3)0	Great Falls	JCT US 2 North	Aluminum Box Culvert (ABC)	Joe Nye	2012	2012	2013-2016	2017	Project Complete	2017
21	Completed	IM 15-1(109)0	Butte	Monida-Lima-SB	Warm Mix Asphalt	Geno Liva, Matt Strizitch	2011	2011	2012-2014	2015	Project Complete	2016
22	Completed	STPP 1-2(93)121	Missoula	Idaho St. - East Kalispell	Thin Whitetopping (composite)	N/A	2000	2000	2001-2009	2010	Project Complete	2010
23	Completed	STPP 18-1(9)18	Glendive	Rosebud Co. Hwy 59 MP 18-31	Use of HDPE Culverts for Mainline Applications	Mark Goodman	2007	2008	2008-2011	2012	Project Complete	2012
24	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	2007	2009	2009-2010	2011	Project Complete	2011
25	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	2007	2007	2008-2010	2011	Project Complete	2011
26	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	N/A	N/A	N/A	N/A	Project Complete	2011
27	Completed	IM 15-5(101)270	Great Falls	Ulm-East	Edge-line Pavement Markers on Rumble Stripes	Paul Jagoda, Billy Maart	2007	2008	2008-2010	2011	Project Complete	2011
28	Completed	NH-STPU-CM-MT-STPE 15-4(108)191	Butte	South Helena Interchange	High-Performance Concrete Bridge Deck	Kent Barnes	2007	2008	2009	2010	Project Complete	2010
29	Completed	NH-HFL 8-1(30)23	Great Falls	MacDonald Pass	Culvert Rehabilitation using Two Types of Liners (CIPL/HDPE)	Mark Goodman	2008	2008	2009-2012	2013	Project Complete	2013
30	Completed	Maintenance	N/A	Avon, Elliston, Deerlodge	New Techniques for Preparing Thermoplastic Pavement Markers Prior to Seal and Coat	Bill Fogarty	06/2008	2008	2009-2012	2013	Project Complete	2013
31	Completed	NH 37-3(11)85	Glendive	Epsie - East & West	Analysis of Geo-ridge Erosion Control Permeable Ditch Berm	Ray Mengel	2006-2007	2008	N/A	2009	Project Complete	2009
32	Completed	STPS 279-1(14) CN 6234	Great Falls	Flesher pass - East	Assessment of Various Pavement Reinforcement for Reduction of Reflective Cracking	Dustin Rouse	2008	2008	2009-2012	2013	Project Complete	2013
33	Completed	N/A	Helena	N/A	Redi-Torque Multi-directional Slip Base Traffic Sign Support	Joe Nye	2011	2011	N/A	2011	Project Complete	2011
34	Completed	IM 90-4(48)207	Butte	Deer Lodge County I-89	Evaluation of Supplemental Wind Power for Interstate Rest Area	Dean Harris	2008	2010	2010-2011	2012	Project Complete	2012
35	Completed	IM 94-6(50)209	Glendive	Glendive East & West	Placement of Plant Mix Seal (.75") on Diamond Ground PCCP	District Level	2010 & 2011	2011	2011-2015	2015	Project Complete	2015

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36	Completed	Maintenance	Butte	Elk Park	Application Procedures and Performance of Urethane Based Epoxy	Joe Nye	2012	2012	2013-2014	2015	Project Complete	2015
37	Completed	STPP 6-1(87)56	Missoula	Thompson River East	Osterberg (O-Cell) Test Verification	Tyrell Murfitt	2013	N/A	N/A	2015	Project Complete	2015
38	Completed	IM 15-4(129)229	Great Falls	I-15 Augusta Interchange-Craig	Use of TD5200 Boomerang Reboundable Surface Mount Delineator	Christie McOmber	2012	2012	N/A	2012	Project Complete	2012

¹Active – Project is being constructed, or in-service and under evaluation.

²Completed – In-service analysis completed; Click on [All Project Listings link](#) (below) to be directed to the experimental projects subject page.

*Reporting responsibility of Project Contact

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[All Project Listings](#)