

Table of Contents

| Table of Contents | 2 |
|---|----|
| Disclaimer | |
| Executive Summary | 4 |
| Introduction | 5 |
| Program Structure | 5 |
| Program Administration | 5 |
| Program Methodology | 7 |
| Project Implementation | |
| Funds Programmed | |
| General Listing of Projects | 18 |
| Safety Performance | |
| General Highway Safety Trends | |
| Safety Performance Targets | 35 |
| Applicability of Special Rules | 36 |
| Evaluation | 37 |
| Program Effectiveness | 37 |
| Effectiveness of Groupings or Similar Types of Improvements | 38 |
| Project Effectiveness | |
| Compliance Assessment | 42 |

Disclaimer

Protection of Data from Discovery Admission into Evidence

23 U.S.C. 148(h)(4) states "Notwithstanding any other provision of law, reports, surveys, schedules, lists, or data compiled or collected for any purpose relating to this section[HSIP], shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location identified or addressed in the reports, surveys, schedules, lists, or other data."

23 U.S.C. 409 states "Notwithstanding any other provision of law, reports, surveys, schedules, lists, or data compiled or collected for the purpose of identifying, evaluating, or planning the safety enhancement of potential accident sites, hazardous roadway conditions, or railway-highway crossings, pursuant to sections 130, 144, and 148 of this title or for the purpose of developing any highway safety construction improvement project which may be implemented utilizing Federal-aid highway funds shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location mentioned or addressed in such reports, surveys, schedules, lists, or data."

Executive Summary

Over the past five (5) years, MDT's Safety Program has made significant strides towards improving safety on Montana's Transportation Network. This has been a result of several factors:

- Increased HSIP Funding;
- MDT's Safety Information Management System (SIMS) to identify, analyze and track HSIP projects;
- MDT's Roadway Departure and Intersection Plans to identify locations for further analysis and potential safety improvements;
- MDT's systemic application of multiple safety countermeasures (centerline rumble strips, wrong-way interstate signing, horizontal curve signing, median cable barrier, reflective backplates, etc);
- Identifying more substantial projects on non state-owned roadways;
- Researching methodologies to determining how to apply HSIP Funding to low volume roads with minimal crash data availability,
- Developing Median Cable Barrier Warrants
- Educating the public on benefits of controversial/contentious safety improvements. This is done through MDT's new Public Information Process on many projects, including HSIP projects;

Over these past five years, Montana has seen a decrease in traffic fatalities. MDT will continue its efforts to cut fatal and serious injury crashes in half by 2030 by addressing crash clusters on all public roads.

One of MDT's challenges is the inability to use HSIP Funding towards behavioral type campaigns. Behavior plays a recurring role in fatal/serious injury crashes and MDT is hampered by the inability to address this need.

Introduction

The Highway Safety Improvement Program (HSIP) is a core Federal-aid program with the purpose of achieving a significant reduction in fatalities and serious injuries on all public roads. As per 23 U.S.C. 148(h) and 23 CFR 924.15, States are required to report annually on the progress being made to advance HSIP implementation and evaluation efforts. The format of this report is consistent with the HSIP Reporting Guidance dated December 29, 2016 and consists of five sections: program structure, progress in implementing highway safety improvement projects, progress in achieving safety outcomes and performance targets, effectiveness of the improvements and compliance assessment.

Program Structure

Program Administration

Describe the general structure of the HSIP in the State.

The HSIP Program is a centrally administered program through the Safety Engineering Section which is within MDT's Traffic and Safety Bureau.

Each year, the Safety Engineering Section develops criteria to identify potential hot-spot crash locations for review. The Section also identifies potential systemic improvements for longer roadway segments and/or corridors. Sites are then reviewed through an established process which includes reviewing Montana Highway Patrol crash records, completing an office review and usually a field review. The last step is completing a benefit cost for a potential safety countermeasure that addresses the identified crash trend.

The sites that meet the minimum benefit cost threshold established by FHWA and are within the HSIP available funding, are nominated as HSIP Funded Safety Projects.

Where is HSIP staff located within the State DOT?

Engineering

The Highway Safety Improvement Program is administered centrally by the MDT Traffic and Safety Bureau within the Engineering Division.

How are HSIP funds allocated in a State?

Central Office via Statewide Competitive Application Process

All crashes investigated by the Montana Highway Patrol (MHP), or submitted to the MHP by a local enforcement agency, are available to MDT. In 2014 MDT implemented a new crash database system. This system allows MDT staff to query local road crash data by route and reference post as well as spatially via GIS tools. Fatal crash data is available for the Tribal reservations; however, other crashes investigated by the Tribal enforcement agencies or Bureau of Indian Affairs are not consistently submitted. MDT solicits participation from local and Tribal agencies, who can submit documentation of sites to be evaluated and prioritized under the Highway Safety Improvement Program. A nomination/application for HSIP projects is included on the MDT internet page at: http://www.mdt.mt.gov/publications/docs/forms/hsip_application.pdf .

Potential HSIP projects on local and Tribal roads are currently evaluated using the same methodologies as are applied to potential projects on the state owned system. For future HSIP projects, other data-driven tools are being developed to assist with identifying potential projects on the local and Tribal roads. Those tools are anticipated to be usable in late 2020.

Describe how local and tribal roads are addressed as part of HSIP.

All crashes investigated by the Montana Highway Patrol (MHP), or submitted to the MHP by a local enforcement agency, are available to MDT. In 2014 MDT implemented a new crash database system. This system allows MDT staff to query local road crash data by route and reference post as well as spatially via GIS tools. Fatal crash data is available for the Tribal reservations; however, other crashes investigated by the Tribal enforcement agencies or Bureau of Indian Affairs are not consistently submitted. MDT solicits participation from local and Tribal agencies, who can submit documentation of sites to be evaluated and prioritized under the Highway Safety Improvement Program. A nomination/application for HSIP projects is included on the MDT internet page at: http://www.mdt.mt.gov/publications/docs/forms/hsip_application.pdf .

Potential HSIP projects on local and Tribal roads are currently evaluated using the same methodologies as are applied to potential projects on the state owned system.

Identify which internal partners (e.g., State departments of transportation (DOTs) Bureaus, Divisions) are involved with HSIP planning.

- Design
- Districts/Regions
- Governors Highway Safety Office
- Maintenance
- Operations
- Planning
- Traffic Engineering/Safety
- Other-District Personnel
- Other-Motor Carriers

Describe coordination with internal partners.

The MDT Planning Division administers the Comprehensive Highway Safety Plan (CHSP) and Highway Safety Plan while MDT's Engineering Division manages the HSIP Program. There is significant coordination between the two Divisions and their corresponding CHSP Emphasis Areas. In addition, both Divisions are represented on the Traffic Records Coordinating Committee (TRCC). MDT's CHSP is currently being updated and coordination for that Plan will continue to be required between the two Divisions. The CHSP's last update was completed in May 2015. This new update will be completed in 2020. The most current CHSP is available at: http://www.mdt.mt.gov/visionzero/docs/chsp/current_chsp.pdf

The Highway Safety Improvement Program is administered centrally by the MDT Traffic and Safety Bureau. Crash clusters are identified by roadway system and by various criteria. Coordination with MDT's District Staff, Environmental Staff, Maintenance and other engineering disciplines is on-going with the program. This takes place as sites are analyzed and as projects are identified, designed and constructed.

Identify which external partners are involved with HSIP planning.

Local Government Agency

- Regional Planning Organizations (e.g. MPOs, RPOs, COGs)
- Other-Tribes
- Other-Law Enforcement

Describe coordination with external partners.

MDT routinely receives requests for specific sites identified for review from law enforcement, local government entities and tribal governments. MDT coordinates with these governments during the field review process to gather additional input for addressing the crash trends. MDT coordinates with the MPO's in the same manner; however, the coordination is done through MDT's District and Planning Division Offices rather than the Traffic and Safety Bureau.

Describe other aspects of HSIP Administration on which the State would like to elaborate.

Since 2006 Montana has had a Traffic Records Coordinating Committee (TRCC). The TRCC has representation from State agencies involved with safety records and Federal agencies for oversight and input. They meet regularly and attempt to coordinate and share projected record upgrades, new projects and pertinent records among participants. As the systems mature, the TRCC may include MPO and Tribal representation.

Starting September 2008, the Montana Highway Patrol (MHP) implemented the CTS America Public Safety System dispatch-crash-record systems, including a MMUCC based crash reporting form. MHP investigates approximately 50% of all statewide crashes. This CTS America System is presently only used by the MHP via a mobile client in each patrol unit; however, a web-based crash reporting system has been developed and is being used by several local agencies. This web based system allows local enforcement agencies to input crash information via the internet, if they choose to participate. The project is starting with the eight largest local Police Departments. These eight departments report about 80% of all local crashes.

In 2014, MDT implemented an upgrade to the safety database and analysis tools. This new software, referred to as the Safety Information Management System (SIMS), has been deployed and is now in production at MDT. This new system allows MDT to access the MMUCC compliant crash data being collected by the Montana Highway Patrol. The SIMS system also has access to many roadway data elements including many of the Fundamental Data Elements identified by FHWA. Additionally, MDT has access to the MHP crash investigator's reports, if additional detail on the particular crash is required. The new system also allowed MDT to begin utilizing MHP citation data.

The Traffic and Safety Bureau is actively involved in the implementation of the CHSP. Traffic and Safety is taking the lead in the areas of roadway departure crashes and intersection crashes.

Program Methodology

Does the State have an HSIP manual or similar that clearly describes HSIP planning, implementation and evaluation processes?

No

Although MDT has an outdated Safety Manual, MDT has a clearly defined and documented HSIP process in place. The existing MDT Safety Manual is currently being re-written for use by the Traffic and Safety Bureau and is anticipated to be complete by early 2020. This Safety Manual will include formal documentation of the HSIP Process from project selection through implementation and project evaluation.

2019 Montana Highway Safety Improvement Program **Select the programs that are administered under the HSIP.**

- Horizontal Curve
- HRRR
- Intersection
- Roadway Departure
- Other-Hot Spot

Program: Horizontal Curve

Date of Program Methodology:1/1/2015

What is the justification for this program?

- Addresses SHSP priority or emphasis area
- Other-Systemic Improvement

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

| Crashes | Exposure | Roadway |
|---------|----------|---------|
| | | |

Horizontal curvature

What project identification methodology was used for this program?

- Other-Ball Bank Threshold
- Other-Road Classification

Are local roads (non-state owned and operated) included or addressed in this program?

No

Are local road projects identified using the same methodology as state roads?

How are projects under this program advanced for implementation?

• Other-By District

Select the processes used to prioritize projects for implementation. For the methods selected, indicate the relative importance of each process in project prioritization. Enter either the weights or numerical rankings. If weights are entered, the sum must equal 100. If ranks are entered, indicate ties by giving both processes the same rank and skip the next highest rank (as an example: 1, 2, 2, 4).

This is a systemic project to upgrade curve signing on state-owned facilities. This project was initiated to meet

guidelines/requirements set forth in the Manual on Uniform Traffic Control Devices (MUTCD). One (1) to two (2) Districts were nominated each year and the overall project is approximately 75% complete.

Program: HRRR

Date of Program Methodology:1/1/2015

What is the justification for this program?

• Other-HRRR Special Rule

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

| Crashes | Exposure | Roadway |
|---------|----------|---------|
| All | crashes | |

Fatal and serious injury crashes only

What project identification methodology was used for this program?

• Level of service of safety (LOSS)

Are local roads (non-state owned and operated) included or addressed in this program?

Yes

Are local road projects identified using the same methodology as state roads? Yes

How are projects under this program advanced for implementation?

Competitive application process

Select the processes used to prioritize projects for implementation. For the methods selected, indicate the relative importance of each process in project prioritization. Enter either the weights or numerical rankings. If weights are entered, the sum must equal 100. If ranks are entered, indicate ties by giving both processes the same rank and skip the next highest rank (as an example: 1, 2, 2, 4).

Relative Weight in Scoring

Ranking based on B/C:100 Total Relative Weight:100

Date of Program Methodology:1/1/2015

What is the justification for this program?

• Addresses SHSP priority or emphasis area

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

| Crashes | Exposure | Roadway |
|---------|---------------------|---------|
| | s Traffic Volume | |

What project identification methodology was used for this program?

• Level of service of safety (LOSS)

Are local roads (non-state owned and operated) included or addressed in this program?

Yes

Are local road projects identified using the same methodology as state roads? No

Describe the methodology used to identify local road projects as part of this program.

LOSS Intersection Models for local intersections have been developed. Phase II of the Intersection Safety Study has produced results from a statewide network screening list. It has identified both state and local intersections of interest for further review.

How are projects under this program advanced for implementation?

• Other-Benefit Cost

Select the processes used to prioritize projects for implementation. For the methods selected, indicate the relative importance of each process in project prioritization. Enter either the weights or numerical rankings. If weights are entered, the sum must equal 100. If ranks are entered, indicate ties by giving both processes the same rank and skip the next highest rank (as an example: 1, 2, 2, 4).

Intersections are being identified through the Intersection Safety Plan for potential safety improvements. This is a multi-year process and projects are prioritized based on their benefit-cost ratio.

Date of Program Methodology:1/1/2015

What is the justification for this program?

- Addresses SHSP priority or emphasis area
- FHWA focused approach to safety

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

| Crashes | Exposure | Roadway |
|--|-------------------|---------|
| All Fatal and serious injury crashe | crashes s only | |

What project identification methodology was used for this program?

• Level of service of safety (LOSS)

Are local roads (non-state owned and operated) included or addressed in this program?

Yes

Are local road projects identified using the same methodology as state roads? No

Describe the methodology used to identify local road projects as part of this program.

LOSS models are not developed for local roads. Local road roadway departure crashes can be identified using other parameters and thresholds including collision type.

How are projects under this program advanced for implementation?

• Other-Benefit Cost

Select the processes used to prioritize projects for implementation. For the methods selected, indicate the relative importance of each process in project prioritization. Enter either the weights or numerical rankings. If weights are entered, the sum must equal 100. If ranks are entered, indicate ties by giving both processes the same rank and skip the next highest rank (as an example: 1, 2, 2, 4).

The Roadway Departure Plan guides the development of potential safety improvements for both systemic and hot-spot locations. This is a multi-year project and potential projects are identified using MDT Specific Safety Performance Functions developed within the Roadway Departure Plan. These projects are programmed based on their benefit-cost ratio.

Date of Program Methodology:10/1/1989

What is the justification for this program?

• Other-All public roads

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

| Crashes | Exposure | Roadway |
|---------|----------------|---------|
| All | crashes Volume | |

Fatal and serious injury crashes only

What project identification methodology was used for this program?

- Other-Requests Areas to be investigated as requested by any agency or individual
- Other-See additional description provided in question #15.

Are local roads (non-state owned and operated) included or addressed in this program?

Yes

Are local road projects identified using the same methodology as state roads? No

Describe the methodology used to identify local road projects as part of this program. LOSS is not available for local roads. For the 2018 HSIP, local road projects were identified via request.

How are projects under this program advanced for implementation?

• Other-Projects are evaluated and ranked on a benefit/cost system.

Select the processes used to prioritize projects for implementation. For the methods selected, indicate the relative importance of each process in project prioritization. Enter either the weights or numerical rankings. If weights are entered, the sum must equal 100. If ranks are entered, indicate ties by giving both processes the same rank and skip the next highest rank (as an example: 1, 2, 2, 4).

Rank of Priority Consideration

Ranking based on B/C:1

Other-MDT has advanced some systemic projects (curve signing as an example) based on the strategies outlined in the CHSP without calculating a benefit/cost. :1

10

HSIP funds are used to address which of the following systemic improvements?

- Cable Median Barriers
- Horizontal curve signs
- Install/Improve Pavement Marking and/or Delineation
- Install/Improve Signing
- Other-Flashing Yellow Arrows
- Rumble Strips

Systemic projects may be stand-alone projects across a District (District curve signing or centerline rumble strips) or along a corridor (signing, striping, delineation, rumble strips, etc). The past several years MDT has been implementing these type of projects on an annual basis. These applications provide a pro-active approach to safety.

What process is used to identify potential countermeasures?

- Crash data analysis
- Data-driven safety analysis tools (HSM, CMF Clearinghouse, SafetyAnalyst, usRAP)
- Engineering Study
- Road Safety Assessment
- SHSP/Local road safety plan

MDT is currently completing a research project to determine an appropriate methodology for identifying and implementing Low Cost Safety Improvements on Low Volume Roads. During this process, MDT is coordinating with Montana's LTAP Office and other Stakeholders.

Does the State HSIP consider connected vehicles and ITS technologies?

No

As these technologies continue to evolve, the HSIP program may consider appropriate applications to address safety on Montana's roadways. However, at this time, the HSIP Program doesn't consider these technologies.

Does the State use the Highway Safety Manual to support HSIP efforts?

Yes

Please describe how the State uses the HSM to support HSIP efforts.

MDT developed its Roadway Departure Study using Montana specific Safety Performance Functions (SPF) and Levels of Service of Safety (LOSS). These SPF's and LOSS's were developed based on methodologies in the Highway Safety Manual. The Intersection Safety Study was also developed based on similar methodology.

MDT's Road Design is also beginning to integrate the HSM methodologies into their design process. To assist in this endeavor, FHWA recently provided training to MDT Staff and Consultants through their Resource Center.

2019 Montana Highway Safety Improvement Program **Describe other aspects of the HSIP methodology on which the State would like to elaborate.**

To identify potential locations for the 2019 HSIP, criteria being used to screen the network are as follows: 1) Fatal and Serious Injury Roadway departure crashes; 2) Intersections identified by Bureau and/or District and/or Intersection Safety Plan; 3) Crashes involving non-motorized vulnerable users including bicyclists and/or pedestrians. 4) Requested Sites (By an Agency, District, Public Citizen, Safety Section).

Once the sites are identified, a preliminary office review identifies the sites where there are near-term reconstruction projects, currently programmed safety projects, or sites that were recently field reviewed. After the preliminary office review, further review establishes the sites that need on-site field reviews. The sites showing no crash trend are not field reviewed. The field review team establishes crash causations and contributing factors. The team members debate potential countermeasures. Conceptual designs are developed with cost estimates.

The project prioritization process is based on a benefit-cost analysis. The costs are the annualized cost of construction over the service life of the proposed improvement plus the annual increase in operation and maintenance costs due to the improvement. The benefits are the anticipated annualized cost reductions due to a lower number of crashes and lower crash severity. The projects with the highest benefit-cost ratios are nominated for improvements.

MDT has initiated several state-wide systemic projects including horizontal curve signing, interstate wrong-way signing upgrades and centerline rumble strips. These three projects are being installed on a large district-wide scale and are in various levels of design and/or construction. MDT is also looking at other large scale systemic projects including interstate median barrier and developing local road safety plans.

MDT is currently updating its Roadway Departure Safety Performance Functions (SPFs), Levels of Service of Safety (LOSS), and diagnostic norms. Once updated in 2020, MDT will replace the current tools for continued evaluation of the HSIP as well as analysis of other agency projects.

MDT has recently developed SPF's and diagnostic norms for intersections. These intersection tools are being used in the development of the 2019 HSIP List. They will also be utilized in analysis for other agency projects and future HSIP Lists.

Funds Programmed

Reporting period for HSIP funding.

State Fiscal Year

Montana's State Fiscal Year 2019 is the reporting period (July 1, 2018 through June 30, 2019)

Enter the programmed and obligated funding for each applicable funding category.

| FUNDING CATEGORY | PROGRAMMED | OBLIGATED | % OBLIGATED/PROGRAMMED |
|--|--------------|--------------|---------------------------|
| HSIP (23 U.S.C. 148) | \$13,640,152 | \$13,640,152 | 100% |
| HRRR Special Rule (23 U.S.C. 148(g)(1)) | \$1,395,182 | \$1,395,182 | 100% |
| Penalty Funds (23 U.S.C. 154) | \$0 | \$0 | 0% |
| Penalty Funds (23 U.S.C. 164) | \$3,549,597 | \$3,549,597 | 100% |
| RHCP (for HSIP purposes) (23 U.S.C. 130(e)(2)) | \$0 | \$0 | 0% |
| Other Federal-aid Funds (i.e. STBG, NHPP) | \$9,319,635 | \$9,319,635 | 100% |
| State and Local Funds | \$0 | \$0 | 0% |
| Totals | \$27,904,566 | \$27,904,566 | 100% |

How much funding is programmed to local (non-state owned and operated) or tribal safety projects?

\$3,696,122

How much funding is obligated to local or tribal safety projects?

\$3,696,122

Currently a few large scale local road projects are delayed due to right of way challenges. These are not reflected in the obligated funds.

In addition, MDT is working towards identifying more safety improvements on local and tribal roads, in particular low volume roads and high severity crash types. Due to minimal crash data available on low volume roads, MDT has started a research project in conjunction with Montana's Local Technical Assistant Program (LTAP) Office and the Western Transportation Institute at Montana State University. The research project titled " Developing a Methodology for Implementing Safety Improvements on Low-Volume Roads in Montana" is in the early phases and completion is anticipated in late 2020.

2019 Montana Highway Safety Improvement Program **How much funding is programmed to non-infrastructure safety projects?** \$1,489,995

How much funding is obligated to non-infrastructure safety projects?

\$1,489,995

The HSIP Administration Project, HSIP STWD (626), is a yearly project that funds the HSIP Planning Process for MDT. The funds identified above are for the FY 2020 HSIP Program (July 1, 2019 - June 30, 2020)

How much funding was transferred in to the HSIP from other core program areas during the reporting period under 23 U.S.C. 126?

0%

How much funding was transferred out of the HSIP to other core program areas during the reporting period under 23 U.S.C. 126?

0%

Discuss impediments to obligating HSIP funds and plans to overcome this challenge in the future.

The inability to utilize HSIP funding for non-infrastructure projects impedes MDT's HSIP Program. NHTSA has determined that 94% of crashes can be tied back to human error or bad decisions. By only focusing on infrastructure improvements, we are focusing on mitigating the result of the crash but not necessarily the contributing human factor cause to the crash (drinking, cell-phone usage, inattentiveness, distraction, occupant protection, etc). In order to move towards Vision Zero, drivers need continued awareness of their actions and how these actions are contributing to vehicular crashes.

In addition, MDT is required to participate in fall and spring media campaigns for occupant protection and seat belts. There is no additional funding available to provide media at other times of the year. However, Montana experiences its highest number of fatalities during the summer months and MDT has no active campaign during that time period.

Describe any other aspects of the State's progress in implementing HSIP projects on which the State would like to elaborate.

Historically, MDT has been very successful in utilizing HSIP Funds and has strong support for the program from MDT Management.

MDT recently completed its Median Cable Barrier Study. This study included developing MDT-specific median cable rail guidelines and warrants for installation. This study has been utilized in developing HSIP projects in the 2018 HSIP List and will continue to be used in future lists.

MDT recently completed its Intersection Safety Study. Phase I of this study included development of Safety Performance Functions (SPF's), Level of Service of Safety (LOSS), and diagnostic norms for urban/rural - 3 or 4 legged intersections. Phase II included network screening of Montana's intersections for potential for crash reduction. MDT is now utilizing the SPF's and results of Phase II to identify locations for further analysis in the HSIP Program.

MDT is currently finalizing a manual to (1) evaluate and document MDT's current process for development of HSIP projects; (2) evaluate and document the current Fundamental Data Elements (FDE) contained in MDT's Safety Information Management System (SIMS); (3) review and update, if necessary, MDT's current process guidelines for completion of Road (Corridor) Safety Audits; (4) review, enhance, and consolidate current analytical processes, practices, and procedures for incorporation of safety enhancements into non-HSIP projects; (5) develop documentation and processes which combines documentation from the recently completed SIMS project, with the analytical tools developed as part of the Road Departure Study and the Intersection Study; and (6) prepare one chapter containing guidelines for inclusion of pedestrian safety countermeasures. The anticipated completion date for this manual is January 2020.

List the projects obligated using HSIP funds for the reporting period.

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | | SHSP STRATEGY |
|------------------------------------|---|---|---------|----------------|-----------------------------|------------------------------|-------------------------|--------------------------|------------------------------|-------|-------|----------------------------|---------------------------------|----------------------|--|
| HSIP PROGRAM JOC-BILLINGS | Roadway signs and traffic control | Roadway signs and traffic control - other | 1 | District-wide | \$29543 | \$32826 | HSIP (23 U.S.C. 148) | Multiple/Varies | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| HSIP PROGRAM JOC-BUTTE | Roadway signs and traffic control | Roadway signs and traffic control - other | 1 | District-wide | \$186108.31 | \$206787 | HSIP (23 U.S.C. 148) | Multiple/Varies | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| HSIP PROGRAM JOC-MISSOULA | Roadway signs and traffic control | Roadway signs and traffic control - other | 1 | District-wide | \$85190 | \$94655 | HSIP (23 U.S.C. 148) | Multiple/Varies | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SAFETY MANAGEMENT PROGRAM 20 | Non- infrastructure | Transportation safety planning | | | \$1489995 | \$1655550 | HSIP (23 U.S.C. 148) | N/A | N/A | 0 | | | | | |
| SF 119-SLOPE FLATTEN S-206 | Shoulder treatments | Shoulder grading | 9.35 | Miles | \$1080000 | \$1200000 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 4,854 | 60 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 119-SLOPE FLATTEN S-206 | Shoulder treatments | Shoulder grading | 9.35 | Miles | \$689296.5 | \$765885 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 4,854 | 60 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|--|---------------------------------|--|---------|----------------|-----------------------------|------------------------------|--|--------------------------|-----------------------------------|--------|-------|-----------------------------|---------------------------------|--------------------------|--|
| | | | | | | | | | | | | | | | problem identification. |
| SF139-6TH ST/NW BYPASS SFTY | Intersection geometry | Auxiliary lanes - modify left-turn lane offset | 1 | Intersections | \$50000 | \$50000 | Penalty Funds (23 U.S.C. 164) | Urban | Principal Arterial- Other | 13,256 | 35 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF 139- GREGSON BRDG REMOVAL | Roadway | Roadway - other | 2 | Bridges | \$3149594.1 | \$10498647 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Interstate | 12,555 | 80 | State Highway Agency | Request | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF-149 FORSYTH MEDIAN BARRIER | Roadside | Barrier - cable | 1.6 | Miles | \$416342 | \$832684 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Interstate | 4,711 | 80 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 149- BAXTER/LOVE SFTY IMPR | Intersection traffic control | Modify control - two-way stop to roundabout | 1 | Intersections | \$2877429 | \$2877429 | Penalty Funds (23 U.S.C. 164) | Rural | Minor Collector | 2,926 | 45 | County Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF149-YORK RD ROUNDABOUT | Intersection traffic control | Modify control - two-way stop to roundabout | 1 | Intersections | \$1395182 | \$1395182 | HRRR Special Rule (23 U.S.C. 148(g)(1)) | Rural | Major Collector | 2,442 | 60 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF149-YORK RD ROUNDABOUT | Intersection traffic control | Modify control - two-way stop to roundabout | 1 | Intersections | \$1163293 | \$1163293 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 2,442 | 60 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|--|---|--|---------|----------------|-----------------------------|------------------------------|-------------------------------------|--------------------------|------------------------------|--------|-------|----------------------------|---------------------------------|--------------------------|--|
| | | | | | | | | | | | | | | | problem identification |
| SF 159 BADGER CREEK S FENCING | Roadside | Fencing | 7 | Miles | \$438717 | \$438717 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 963 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 159 HAVRE S- 234 SLP FLTN CRV | Shoulder treatments | Widen shoulder - paved or other | 2.2 | Miles | \$49500 | \$55000 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 667 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 159 RESERVE ST BARRIER RAIL | Roadside | Barrier - concrete | 0.5 | Miles | \$368259 | \$368259 | HSIP (23 U.S.C. 148) | Urban | Principal Arterial- Other | 38,864 | 45 | State Highway Agency | Request | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 169 BZMN SFTY IMPRV | Roadway signs and traffic control | Curve-related warning signs and flashers | 5 | Locations | \$29813 | \$29813 | HSIP (23 U.S.C. 148) | Rural | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 169 BZMN SFTY IMPRV | Roadway signs and traffic control | Curve-related warning signs and flashers | 5 | Locations | \$110000 | \$110000 | Penalty Funds (23 U.S.C. 164) | Rural | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 169 GT FALLS SFTY IMPRV | Advanced technology and ITS | Advanced technology and ITS - other | 5 | Locations | \$44489.36 | \$44489.36 | HSIP (23 U.S.C. 148) | Multiple/Varies | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | | SHSP STRATEGY |
|-------------------------------------|-----------------------------------|---|---------|----------------|-----------------------------|------------------------------|-------------------------------------|--------------------------|------------------------------|-------|-------|----------------------------|---------------------------------|----------------------|--|
| | | | | | | | | | | | | | | | departure crashes through data- driven problem identification. |
| SF 169 GT FALLS SFTY IMPRV | Advanced technology and ITS | Advanced technology and ITS - other | 5 | Locations | \$211647.64 | \$211647.64 | Penalty Funds (23 U.S.C. 164) | Multiple/Varies | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 169 N11 MURPHY INTX | Intersection traffic control | Intersection flashers - add advance intersection warning sign- mounted | 1 | Intersections | \$203153 | \$203153 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 2,402 | 70 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF 169 OVR HGHT DETECT SYS | Advanced technology and ITS | Over height vehicle detection | 1 | Locations | \$65000 | \$65000 | Penalty Funds (23 U.S.C. 164) | Rural | Minor Arterial | 1,742 | 25 | State Highway Agency | Request | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF-169 VALLEY SPUR INTX IMPRV | Intersection traffic control | Intersection traffic control - other | 1 | Intersections | \$36000 | \$40000 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 6,645 | 50 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF-169 VALLEY SPUR INTX IMPRV | Intersection traffic control | Intersection traffic control - other | 1 | Intersections | \$18000 | \$20000 | HSIP (23 U.S.C. 148) | Urban | Minor Arterial | 6,645 | 50 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|--------------------------------------|-------------------------------|--|---------|----------------|-----------------------------|------------------------------|-------------------------|--------------------------|------------------------------|-------|-------|----------------------------|---------------------------------|--------------------------|--|
| SF 179 ASHLAND RABBITTOWN PATH | Pedestrians and bicyclists | Miscellaneous pedestrians and bicyclists | 1.2 | Miles | \$316473 | \$351637 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 1,966 | 70 | State Highway Agency | Request | Pedestrians | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF 179 CURVE S OF CHURCHILL | Alignment | Horizontal and vertical alignment | 1 | Curves | \$146734 | \$163038 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 508 | 60 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 CURVE S OF DILLON | Alignment | Horizontal and vertical alignment | 1 | Curves | \$115843 | \$128714 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 1,502 | 60 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 CURVE WIDEN N-24 | Shoulder treatments | Widen shoulder - paved or other | 0.6 | Miles | \$79867 | \$88741 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 1,737 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 CURVES S OF ROSCOE | Alignment | Horizontal curve realignment | 1 | Locations | \$273808 | \$304231 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 710 | 65 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 D1 SFTY SIGNS GUARDRAIL | Roadside | Barrier - other | 3 | Locations | \$92301 | \$184602 | HSIP (23 U.S.C. 148) | Rural | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|-------------------------------------|---|---|---------|----------------|-----------------------------|------------------------------|-------------------------|--------------------------|------------------------------|-------|-------|-----------------------------|---------------------------------|--------------------------|---|
| | | | | | | | | | | | | | | | driven problem identification |
| SF 179 D1 SIGNS RUMBLE STRIPS | Roadway | Rumble strips - unspecified or other | 4 | Locations | \$30810 | \$34233 | HSIP (23 U.S.C. 148) | Rural | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification |
| SF 179 D2 SAFETY IMPROVEMENTS | Roadway signs and traffic control | Roadway signs (including post) - new or updated | 8 | Locations | \$9072 | \$10080 | HSIP (23 U.S.C. 148) | Urban | Multiple/Varies | 0 | | County Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification |
| SF 179 D2 SAFETY SIGNING | Roadway signs and traffic control | Roadway signs (including post) - new or updated | 3 | Locations | \$8104 | \$18008 | HSIP (23 U.S.C. 148) | Rural | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification |
| SF 179 D5 SIGNING DELINEATION | Roadway delineation | Roadway delineation - other | 3 | Locations | \$38260 | \$38260 | HSIP (23 U.S.C. 148) | Rural | Multiple/Varies | 0 | | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data driven problem identification |
| SF 179 DURSTON RD CURVES | Alignment | Horizontal curve realignment | 2 | Curves | \$208184 | \$231315 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 4,031 | 45 | County Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data driven problem identification |

HSIP TOTAL LAND IMPROVEMENT CATEGORY FUNDING FUNCTIONAL OUTPUT PROJECT NAME SUBCATEGORY OUTPUTS PROJECT PROJECT **USE/AREA** AADT SPEED CLASSIFICATION TYPE CATEGORY COST(\$) COST(\$) TYPE (23 17,013 SF 179 EUCLID Pedestrians and Pedestrian 1 \$9581 \$9581 HSIP Urban Principal Arterial-45 Intersections AVE PED IMPRV bicyclists warning signs -U.S.C. 148) Other add/modify flashers 2 (23 Rural 55 SF 179 Advanced Signs \$83030 \$166060 HSIP Principal Arterial-8,126 Dynamic GALLATIN technology and message signs U.S.C. 148) Other CANYON VMS ITS (23 Urban 0 SF 179 HELENA 3 \$34614 \$34614 HSIP Multiple/Varies Advanced Advanced Intersections INTX SAFETY technology and technology and U.S.C. 148) ITS ITS - other (23 Rural 75 SF 179 Roadway signs Curve-related Locations \$17350 \$17350 HSIP Principal Arterial-6,894 warning signs U.S.C. 148) HENDERSON and traffic Interstate CURVE SFTY and flashers control SF 179 HSIP (23 Rural I-15 Roadside Barrier - other 1 Locations \$30860 \$30860 Principal Arterial-3,651 80 CURVE SFTY U.S.C. 148) Interstate DILLON 0 SF 179 INTX Roadway 2 HSIP (23 Rural Multiple/Varies Roadway - other Locations \$21234 \$21234 **IMPROVEMENTS** U.S.C. 148) D4

| OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|----------------------------|---------------------------------|--------------------------|--|
| State Highway Agency | Request | Pedestrians | Reduce and mitigate intersection crashes through data- driven problem identification. |
| State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| State Highway Agency | Spot | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| State Highway Agency | Spot | Intersections | Reduce and mitigate intersection crashes through data- driven |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|-------------------------------------|---------------------------------|--|---------|----------------|-----------------------------|------------------------------|-------------------------|--------------------------|------------------------------|-------|-------|----------------------------|---------------------------------|--------------------------|--|
| | | | | | | | | | | | | | | | problem identification. |
| | Intersection traffic control | Intersection traffic control - other | 1 | Intersections | \$17256 | \$17256 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 369 | 70 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF 179 MARION SFTY IMPRV | Shoulder treatments | Widen shoulder - paved or other | 1 | Miles | \$232439 | \$258266 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 3,145 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 N-10 RUMBLE STRIPS | Roadway | Rumble strips - edge or shoulder | 87 | Miles | \$37294 | \$111882 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 2,504 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 N-10 SFTY IMPROVEMENTS | Lighting | Intersection lighting | 1 | Intersections | \$26112 | \$58026 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 2,681 | 70 | State Highway Agency | Spot | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| SF 179 N-57 CURVE WIDENING | Shoulder treatments | Widen shoulder - paved or other | 1 | Curves | \$50349 | \$55943 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 1,186 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 PARK DR 1ST AVE N SFTY | Intersection traffic control | Intersection traffic control - other | 1 | Intersections | \$16478 | \$32956 | HSIP (23 U.S.C. 148) | Urban | Principal Arterial- Other | 2,279 | 25 | State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|--------------------------------------|-------------------------|------------------------------------|---------|----------------|-----------------------------|------------------------------|-------------------------|--------------------------|------------------------------|-------|-------|----------------------------|---------------------------------|--------------------------|--|
| | | | | | | | | | | | | | | | driven problem identification. |
| SF 179 PIPE CREEK RD CURVES | Shoulder treatments | Widen shoulder - paved or other | 0.5 | Miles | \$117505 | \$130561 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 1,027 | 55 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 S OF LIBBY CURVE SFTY | Shoulder treatments | Widen shoulder - paved or other | 1 | Curves | \$73127 | \$81252 | HSIP (23 U.S.C. 148) | Rural | Principal Arterial- Other | 2,332 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 SFTY IMPRV E OF HUNTLEY | Shoulder treatments | Widen shoulder - paved or other | 3.25 | Miles | \$459407 | \$510452 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 2,800 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 SHLD WIDEN BELKNAP | Shoulder treatments | Widen shoulder - paved or other | 7 | Miles | \$727768 | \$808631 | HSIP (23 U.S.C. 148) | Rural | Minor Arterial | 1,605 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| SF 179 SHLD WIDEN S OF CNTRVLE | | Widen shoulder - paved or other | 1.3 | Miles | \$283945 | \$315494 | HSIP (23 U.S.C. 148) | Rural | Major Collector | 364 | 70 | State Highway Agency | Spot | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |

HSIP TOTAL LAND IMPROVEMENT CATEGORY OUTPUT FUNDING FUNCTIONAL SUBCATEGORY OUTPUTS PROJECT NAME PROJECT PROJECT **USE/AREA** AADT SPEED TYPE CATEGORY CLASSIFICATION COST(\$) COST(\$) TYPE (23 9,327 35 SF 179 SIGNAL Intersection Intersection \$63869 \$63869 HSIP Urban Minor Arterial 1 Intersections KAGY traffic control traffic control U.S.C. 148) SOURDOUGH other 179 Intersection (23 Rural 70 SF Auxiliary lanes -\$136481 \$151646 HSIP Principal Arterial-3,985 1 Locations TARGHEE TURN geometry add two-way left-U.S.C. 148) Other turn lane LANES (23 Rural SF 179 TURN Auxiliary lanes -\$170672 \$189636 HSIP Minor Arterial 3,207 60 Intersection 1 Locations LANE W OF add two-way left-U.S.C. 148) geometry HUNTLEY turn lane HSIP (23 SF 189 Intersection Intersection Intersections \$46815.3 \$52017 Urban Major Collector 1,759 55 AMSTERDAM RD traffic control traffic control U.S.C. 148) INTX IMPRV other HSIP 0 SF189 D1 CLRS Roadway \$93608 (23 Multiple/Varies Multiple/Varies Rumble strips -District-wide \$93608 1 KALISPELL U.S.C. 148) center AREA 0 Multiple/Varies Multiple/Varies SF189 D1 CLRS Roadway Rumble strips -District-wide \$93608 \$93608 HSIP (23 1 **MISSOULA AREA** U.S.C. 148) center

| OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|---|---------------------------------|--------------------------|--|
| City or Municipal Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| State Highway Agency | Request | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| State Highway Agency | Spot | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| County Highway Agency | Spot | Intersections | Reduce and mitigate intersection crashes through data- driven problem identification. |
| State Highway Agency | Systemic | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |
| State Highway Agency | Systemic | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |

| PROJECT NAME | IMPROVEMENT CATEGORY | SUBCATEGORY | OUTPUTS | OUTPUT TYPE | HSIP PROJECT COST(\$) | TOTAL PROJECT COST(\$) | FUNDING CATEGORY | LAND USE/AREA TYPE | FUNCTIONAL CLASSIFICATION | AADT | SPEED | OWNERSHIP | METHOD FOR SITE SELECTION | SHSP EMPHASIS AREA | SHSP STRATEGY |
|-------------------------------------|-------------------------|-----------------------------------|---------|----------------|-----------------------------|------------------------------|-------------------------------------|--------------------------|------------------------------|------|-------|-----------------------------|---------------------------------|--------------------------|--|
| SF189 WIBAUX RR XING RELOCATE | Alignment | Horizontal and vertical alignment | | Locations | \$235520 | \$235520 | Penalty Funds (23 U.S.C. 164) | Rural | Multiple/Varies | 0 | | County Highway Agency | Request | Roadway Departure | Reduce and mitigate roadway departure crashes through data- driven problem identification. |

Safety Performance

General Highway Safety Trends

Present data showing the general highway safety trends in the State for the past five years.

| PERFORMANCE MEASURES | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fatalities | 192 | 211 | 205 | 229 | 192 | 224 | 190 | 186 | 182 |
| Serious Injuries | 995 | 967 | 1,129 | 1,102 | 965 | 1,000 | 835 | 731 | 770 |
| Fatality rate (per HMVMT) | 1.690 | 1.790 | 1.740 | 1.910 | 1.580 | 1.840 | 1.520 | 1.471 | 1.439 |
| Serious injury rate (per HMVMT) | 8.900 | 8.200 | 9.600 | 9.200 | 8.000 | 8.200 | 6.700 | 5.800 | 6.089 |
| Number non-motorized fatalities | 10 | 16 | 9 | 24 | 12 | 15 | 14 | 15 | 17 |
| Number of non- motorized serious injuries | 50 | 58 | 48 | 61 | 57 | 49 | 63 | 52 | 62 |









Serious injury rate (per HMVMT)



Non Motorized Fatalities and Serious Injuries

Describe fatality data source.

FARS

To the maximum extent possible, present this data by functional classification and ownership.

| | Year 2018 | | | | | | | | | | | | |
|--|------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|
| Functional Classification | Number of Fatalities (5-yr avg) | Number of Serious Injuries (5-yr avg) | Fatality Rate (per HMVMT) (5-yr avg) | Serious Injury Rate (per HMVMT) (5-yr avg) | | | | | | | | | |
| Rural Principal Arterial (RPA) - Interstate | 26.75 | 78.6 | 25.83 | 3.08 | | | | | | | | | |
| Rural Principal Arterial (RPA) - Other Freeways and Expressways | 0 | 0 | 0 | 0 | | | | | | | | | |
| Rural Principal Arterial (RPA) - Other | 43.5 | 126.2 | 36.98 | 5.05 | | | | | | | | | |
| Rural Minor Arterial | 24.25 | 80.6 | 22.76 | 7.34 | | | | | | | | | |
| Rural Minor Collector | 12.5 | 37.8 | 12.62 | 7.22 | | | | | | | | | |
| Rural Major Collector | 28 | 73.6 | 22.47 | 8.15 | | | | | | | | | |
| Rural Local Road or Street | 27 | 101 | 28.25 | 7.22 | | | | | | | | | |

| Functional Classification | Number of Fatalities (5-yr avg) | Number of Serious Injuries (5-yr avg) | Fatality Rate (per HMVMT) (5-yr avg) | Serious Injury Rate (per HMVMT) (5-yr avg) |
|--|------------------------------------|---|--|--|
| Urban Principal Arterial (UPA) - Interstate | 7.75 | 24.4 | 6.99 | 3.94 |
| Urban Principal Arterial (UPA) - Other Freeways and Expressways | 0 | 0 | 0 | 0 |
| Urban Principal Arterial (UPA) - Other | 9.5 | 69.8 | 20.01 | 5.58 |
| Urban Minor Arterial | 5.5 | 29.8 | 10.08 | 4.64 |
| Urban Minor Collector | 0 | 2.8 | 0.6 | 9.22 |
| Urban Major Collector | 3.25 | 22.6 | 7.01 | 5.33 |
| Urban Local Road or Street | 7.5 | 58.4 | 12.76 | 5.38 |

| Roadways | Number of Fatalities (5-yr avg) | Number of Serious Injuries (5-yr avg) | Fatality Rate (per HMVMT) (5-yr avg) | Serious Injury Rate (per HMVMT) (5-yr avg) |
|--|------------------------------------|---|--|--|
| State Highway Agency | 138.4 | 553 | 1.56 | 6.25 |
| County Highway Agency | 22.4 | 112 | 1.53 | 7.73 |
| Town or Township Highway Agency | | | | |
| City or Municipal Highway Agency | 14.8 | 137 | 0.73 | 6.89 |
| State Park, Forest, or Reservation Agency | 0.33 | 3.33 | 3.57 | 32.74 |
| Local Park, Forest or Reservation Agency | | | | |
| Other State Agency | | | | |
| Other Local Agency | | | | |
| Private (Other than Railroad) | | | | |
| Railroad | | | | |
| State Toll Authority | | | | |
| Local Toll Authority | | | | |
| Other Public Instrumentality (e.g. Airport, School, University) | | | | |
| Indian Tribe Nation | 13.2 | 23.8 | 7.37 | 13.65 |
| Bureau of Indian Affairs | 1.25 | 3.25 | 10.45 | 22.27 |
| US Forest Service | 4.8 | 29.8 | 1.39 | 9.32 |
| Other Federal Agency | | | | 1.45 |

Year 2018

Safety Performance Targets

Calendar Year 2020 Targets *

Number of Fatalities:182.2

Describe the basis for established target, including how it supports SHSP goals.

The 2020 Target is based on the 5-year rolling average using historical trends. This supports the SHSP (known as the Comprehensive Highway Safety Plan (CHSP) in Montana) by working towards the overall Vision Zero Goal and an interim safety goal of halving fatalities and serious injuries from 1,705 in 2007 to 852 in 2030.

Number of Serious Injuries:860.4

Describe the basis for established target, including how it supports SHSP goals.

The 2020 Target is based on the 5-year rolling average using historical trends. This supports the SHSP (known as the Comprehensive Highway Safety Plan (CHSP) in Montana) by working towards the overall Vision Zero Goal and an interim safety goal of halving fatalities and serious injuries from 1,705 in 2007 to 852 in 2030.

Fatality Rate:1.399

Describe the basis for established target, including how it supports SHSP goals.

The 2020 Target is based on the 5-year rolling average using historical trends. This supports the SHSP (known as the Comprehensive Highway Safety Plan (CHSP) in Montana) by working towards the overall Vision Zero Goal and an interim safety goal of halving fatalities and serious injuries from 1,705 in 2007 to 852 in 2030.

Serious Injury Rate:6.608

Describe the basis for established target, including how it supports SHSP goals.

The 2020 Target is based on the 5-year rolling average using historical trends. This supports the SHSP (known as the Comprehensive Highway Safety Plan (CHSP) in Montana) by working towards the overall Vision Zero Goal and an interim safety goal of halving fatalities and serious injuries from 1,705 in 2007 to 852 in 2030.

Total Number of Non-Motorized Fatalities and Serious Injuries:74.2

Describe the basis for established target, including how it supports SHSP goals.

The 2020 Target is based on the 5-year rolling average using historical trends. This supports the SHSP (known as the Comprehensive Highway Safety Plan (CHSP) in Montana) by working towards

the overall Vision Zero Goal and an interim safety goal of halving fatalities and serious injuries from 1,705 in 2007 to 852 in 2030.

Describe efforts to coordinate with other stakeholders (e.g. MPOs, SHSO) to establish safety performance targets.

Montana's Safety Performance Target Setting is a collaborative effort between MDT Engineering, the 3 MPO's and the State Highway Traffic Office. Representatives from each group met in the spring of 2019 to establish the 2020 Safety Performance Targets. For the final step, these targets were then advanced to the CHSP Advisory Committee to vote their concurrence.

Does the State want to report additional optional targets?

No

Describe progress toward meeting the State's 2018 Safety Performance Targets (based on data available at the time of reporting). For each target, include a discussion of any reasons for differences in the actual outcomes and targets.

MDT has met or made significant progress for our safety targets in 2018. MDT was successful in meeting 3 of the 5 Montana 2018 Safety Performance Targets and were better than the baseline for all 5 target areas.

Although the fatalities and fatality rate were not met, fatal crash numbers in 2018 have continued on a downward trend.

Applicability of Special Rules

Does the HRRR special rule apply to the State for this reporting period? Yes

For the 2018 HSIP List, the Montana definition of High-Risk Rural Roads is: any roadway functionally classified as a rural major or minor collector or a local road with significant safety risks. Per §23 USC 148(d)(2), MDT's definition of significant safety risk is "information gathered through means such as field reviews, safety assessments, road safety audits, and local knowledge and experience." Using information from observations in the field can identify high-risk locations that may not be identified through data analysis or by identifying roadway characteristics.

Provide the number of older driver and pedestrian fatalities and serious injuries 65 years of age and older for the past seven years.

| PERFORMANCE MEASURES | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|------|------|------|------|------|------|------|
| Number of Older Driver and Pedestrian Fatalities | | 16 | 34 | 24 | 31 | 26 | 20 |
| Number of Older Driver and Pedestrian Serious Injuries | | 71 | 82 | 91 | 88 | 86 | 86 |

Evaluation

Program Effectiveness

How does the State measure effectiveness of the HSIP?

• Other-Observational before/after studies

MDT utilizes observational before/after studies to evaluate the effectiveness of a particular safety improvement or groups of improvements. An observational before/after study requires crash data and volume data from both before and after the installation of a safety improvement.

MDT has elected to evaluate the HSIP based on groups of similar projects on an annual basis. At this time, the evaluation process focuses on nominated projects having a construction and construction engineering (CN+CE) cost exceeding \$100,000. Additional evaluations or site specific evaluations are completed on a case-by-case basis. Typically, a minimum of 5-years of after data is used for the treatment sites.

The following steps highlight the process for MDT's annual evaluation of safety improvements. It is not meant to be all encompassing and is meant to be a living process. Modifications to the following process will be made as additional data sets and analysis tools are available.

- 1. Identify completed projects with a construction plus construction engineering (CN+CE) cost of greater than \$100,000 and which have sufficient crash data following completion of the project.
- 2. Group the projects completed in the identified year by improvement type. The following project groups are identified to guide the evaluation:
- 3. Geometric improvements at a specific location (curve realignment or shoulder widening as examples);
- 4. Slope flattening or elimination of roadside hazards;
- 5. Signing, striping and delineation including the installation of warning flashers;
- 6. Installation of guardrail;

Based on the measures of effectiveness selected previously, describe the results of the State's program level evaluations.

This method of program level evaluation is new to MDT with only a few years actual results. With MDT's recent Roadway Departure Study and newly implemented Intersection Safety Study, the program level evaluation will continue to be improved upon each year.

One challenge of this form of program level evaluation is for low volume roads. On these types of roads, 10 years of data is needed to determine a crash trend and ultimately a project being constructed. In addition, MDT's evaluation is based on 5 years "before" and "after" data which may not correspond with the original trend identification due to the regression to the mean. Consequently, the naïve before/after study may not produce results that are consistent with the anticipated CMF that was used.

What other indicators of success does the State use to demonstrate effectiveness and success of the Highway Safety Improvement Program?

- HSIP Obligations
- Increased awareness of safety and data-driven process
- Increased focus on local road safety

Another method MDT uses to indicate the HSIP Program's Success is the ability to identify and obligate HSIP Funds to address safety needs throughout the state on all public roads. MDT's HSIP Funding has grown over the last several years which has allowed MDT to identify and fund more significant size safety projects. This has included large infrastructure type projects, including several roundabouts on non-MDT routes (local road safety) and shoulder widening/slope flattening on secondary roadways which have limited funding sources.

The HSIP Program's success has also increased the awareness of safety within the agency as a whole. This has translated into more collaboration between bureaus as other projects are designed and implemented benefiting both the safety program and ultimately the traveling public.

Effectiveness of Groupings or Similar Types of Improvements

Present and describe trends in SHSP emphasis area performance measures.

| SHSP Emphasis Area | Targeted Crash Type | Number of Fatalities (5-yr avg) | Number of Serious Injuries (5-yr avg) | Fatality Rate (per HMVMT) (5-yr avg) | Serious Injury Rate (per HMVMT) (5-yr avg) |
|--------------------|------------------------|---------------------------------------|--|--|---|
| Roadway Departure | | 129.6 | 452.2 | 1.04 | 3.64 |
| Intersections | | 20.4 | 188.2 | 0.16 | 1.51 |

Year 2018





Has the State completed any countermeasure effectiveness evaluations during the reporting period?

No

Project Effectiveness

| LOCATION | FUNCTIONAL CLASS | IMPROVEMENT CATEGORY | IMPROVEMENT TYPE | PDO BEFORE | PDO AFTER | FATALITY BEFORE | FATALITY AFTER | SERIOUS INJURY BEFORE | SERIOUS INJURY AFTER | ALL OTHER INJURY BEFORE | ALL OTHER INJURY AFTER | TOTAL BEFORE | TOTAL AFTER | EVALUATION RESULTS (BENEFIT/COST RATIO) |
|------------------------------|---------------------|---|---|---------------|--------------|--------------------|-------------------|-----------------------------|----------------------------|-------------------------------|------------------------------|-----------------|----------------|--|
| Geometric Improvements | Varies | Roadway | Roadway - other | 17.00 | 11.00 | | | 3.00 | 1.00 | 13.00 | 6.00 | 33.00 | 18.00 | 11.78 |
| Intersection Improvements | Varies | Intersection geometry | Intersection geometry - other | 364.00 | 318.00 | 2.00 | 2.00 | 18.00 | 6.00 | 147.00 | 111.00 | 531.00 | 437.00 | 10.2 |
| Signing | Varies | Roadway signs and traffic control | Roadway signs and traffic control - other | 16.00 | 7.00 | 2.00 | 1.00 | 2.00 | 1.00 | 9.00 | 3.00 | 29.00 | 12.00 | 78.71 |
| Guardrail | Varies | Roadside | Barrier - other | 36.00 | 26.00 | 3.00 | | 3.00 | 1.00 | 8.00 | 6.00 | 50.00 | 33.00 | 103.39 |

MDT has a process to evaluate safety projects. At this time, the 2019 evaluation has not been completed and therefore it not referenced or included in this report. MDT's 2018 evaluation results are included. These are for a simple before / after study using 5 years of before/after data. In addition, small projects with similar scope have been grouped together for analysis.

The challenge of completing a simple before/after study is that the 5-year before period may not be representative of the crashes that initiated the safety improvements or the data may be skewed due to the randomness of crashes on low volume roads.

2019 Montana Highway Safety Improvement Program **Compliance Assessment**

What date was the State's current SHSP approved by the Governor or designated State representative?

05/01/2015

What are the years being covered by the current SHSP?

From: 2015 To: 2020

When does the State anticipate completing it's next SHSP update?

2020

MDT is currently in the early stages of updating its SHSP which is known in Montana as the Comprehensive Highway Safety Plan. It is anticipated that it will be completed mid-2020.

Provide the current status (percent complete) of MIRE fundamental data elements collection efforts using the table below.

| ROAD TYPE | MIRE NAME (MIRE | NON LOCAL PAVED ROADS - SEGMENT | | NON LOCAL PAVED ROADS - INTERSECTION | | NON LOCAL PAVED ROADS - RAMPS | | LOCAL PAVED ROADS | | UNPAVED ROADS | |
|-----------------|---|------------------------------------|-------|---|-------|----------------------------------|-------|-------------------|-------|---------------|-----|
| | NO.) | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | |
| ROADWAY SEGMENT | Segment Identifier (12) | 100 | 100 | | | | | 100 | 100 | 100 | 100 |
| | Route Number (8) | 100 | 100 | | | | | | | | |
| | Route/Street Name (9) | 100 | 100 | | | | | | | | |
| | Federal Aid/Route Type (21) | 100 | 100 | | | | | | | | |
| | Rural/Urban Designation (20) | 100 | 100 | | | | | 100 | 100 | | |
| | Surface Type (23) | 100 | 100 | | | | | 100 | 100 | | |
| | Begin Point Segment Descriptor (10) | 100 | 100 | | | | | 100 | 100 | 100 | 100 |
| | End Point Segment Descriptor (11) | 100 | 100 | | | | | 100 | 100 | 100 | 100 |
| | Segment Length (13) | 100 | 100 | | | | | | | | |
| | Direction of Inventory (18) | 100 | 100 | | | | | | | | |
| | Functional Class (19) | 100 | 100 | | | | | 100 | 100 | 100 | 100 |
| | Median Type (54) | 100 | 100 | | | | | | | | |
| | Access Control (22) | 100 | 100 | | | | | | | | |

| ROAD TYPE | | NON LOCAL PAVED ROADS - SEGMENT | | | | | NON LOCAL PAVED ROADS - RAMPS | | LOCAL PAVED ROADS | | UNPAVED ROADS | |
|-----------------|--|------------------------------------|-------|-----------|-------|-----------|----------------------------------|-----------|-------------------|-----------|---------------|--|
| | NO.) | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | | |
| | One/Two Way Operations (91) | 100 | 100 | | | | | | | | | |
| | Number of Through Lanes (31) | 100 | 100 | | | | | 100 | 100 | | | |
| | Average Annual Daily Traffic (79) | 100 | 100 | | | | | 100 | 100 | | | |
| | AADT Year (80) | 100 | 100 | | | | | | | | | |
| | Type of Governmental Ownership (4) | 100 | 100 | | | | | 100 | 100 | 100 | 100 | |
| NTERSECTION | Unique Junction Identifier (120) | | | 100 | 100 | | | | | | | |
| | Location Identifier for Road 1 Crossing Point (122) | | | 100 | 100 | | | | | | | |
| | Location Identifier for Road 2 Crossing Point (123) | | | 100 | 100 | | | | | | | |
| | Intersection/Junction Geometry (126) | | | 100 | 100 | | | | | | | |
| | Intersection/Junction Traffic Control (131) | | | 100 | 100 | | | | | | | |
| | AADT for Each Intersecting Road (79) | | | 100 | 100 | | | | | | | |
| | AADT Year (80) | | | 100 | 100 | | | | | | | |
| | Unique Approach Identifier (139) | | | 100 | 100 | | | | | | | |
| NTERCHANGE/RAMP | Unique Interchange Identifier (178) | | | | | 100 | 100 | | | | | |
| | Location Identifier for Roadway at Beginning of Ramp Terminal (197) | | | | | 100 | 100 | | | | | |
| | Location Identifier for Roadway at Ending Ramp Terminal (201) | | | | | 100 | 100 | | | | | |
| | Ramp Length (187) | | | | | 100 | 100 | | | | | |

| ROAD TYPE | | NON LOCAL PAVED ROADS - SEGMENT | | NON LOCAL PAVED ROADS - INTERSECTION | | NON LOCAL PAVED ROADS - RAMPS | | LOCAL PAVED | LOCAL PAVED ROADS | | S |
|------------------------|--|------------------------------------|--------|---|--------|----------------------------------|--------|-------------|-------------------|-----------|--------|
| | NO.) | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | STATE | NON-STATE | |
| | Roadway Type at Beginning of Ramp Terminal (195) | | | | | 100 | 100 | | | | |
| | Roadway Type at End Ramp Terminal (199) | | | | | 100 | 100 | | | | |
| | Interchange Type (182) | | | | | 100 | 100 | | | | |
| | Ramp AADT (191) | | | | | 100 | 100 | | | | |
| | Year of Ramp AADT (192) | | | | | 100 | 100 | | | | |
| | Functional Class (19) | | | | | 100 | 100 | | | | |
| | Type of Governmental Ownership (4) | | | | | 100 | 100 | | | | |
| Totals (Average Percer | nt Complete): | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

*Based on Functional Classification

Describe actions the State will take moving forward to meet the requirement to have complete access to the MIRE fundamental data elements on all public roads by September 30, 2026.

MDT has collected the final data element using in-house roadway images, Google Street View and field observation efforts.

MDT will now QA/QC the collected data, format and load into our MIRE database by 12/31/2020.

Did the State conduct an HSIP program assessment during the reporting period?

MDT's HSIP program assessment is currently underway. This assessment will result in the completion of a safety manual in early 2020.

Optional Attachments

Program Structure:

Project Implementation:

Safety Performance:

Evaluation:

Compliance Assessment:

Glossary

5 year rolling average: means the average of five individuals, consecutive annual points of data (e.g. annual fatality rate).

Emphasis area: means a highway safety priority in a State's SHSP, identified through a data-driven, collaborative process.

Highway safety improvement project: means strategies, activities and projects on a public road that are consistent with a State strategic highway safety plan and corrects or improves a hazardous road location or feature or addresses a highway safety problem.

HMVMT: means hundred million vehicle miles traveled.

Non-infrastructure projects: are projects that do not result in construction. Examples of non-infrastructure projects include road safety audits, transportation safety planning activities, improvements in the collection and analysis of data, education and outreach, and enforcement activities.

Older driver special rule: applies if traffic fatalities and serious injuries per capita for drivers and pedestrians over the age of 65 in a State increases during the most recent 2-year period for which data are available, as defined in the Older Driver and Pedestrian Special Rule Interim Guidance dated February 13, 2013.

Performance measure: means indicators that enable decision-makers and other stakeholders to monitor changes in system condition and performance against established visions, goals, and objectives.

Programmed funds: mean those funds that have been programmed in the Statewide Transportation Improvement Program (STIP) to be expended on highway safety improvement projects.

Roadway Functional Classification: means the process by which streets and highways are grouped into classes, or systems, according to the character of service they are intended to provide.

Strategic Highway Safety Plan (SHSP): means a comprehensive, multi-disciplinary plan, based on safety data developed by a State Department of Transportation in accordance with 23 U.S.C. 148.

Systematic: refers to an approach where an agency deploys countermeasures at all locations across a system.

Systemic safety improvement: means an improvement that is widely implemented based on high risk roadway features that are correlated with specific severe crash types.

Transfer: means, in accordance with provisions of 23 U.S.C. 126, a State may transfer from an apportionment under section 104(b) not to exceed 50 percent of the amount apportioned for the fiscal year to any other apportionment of the State under that section.