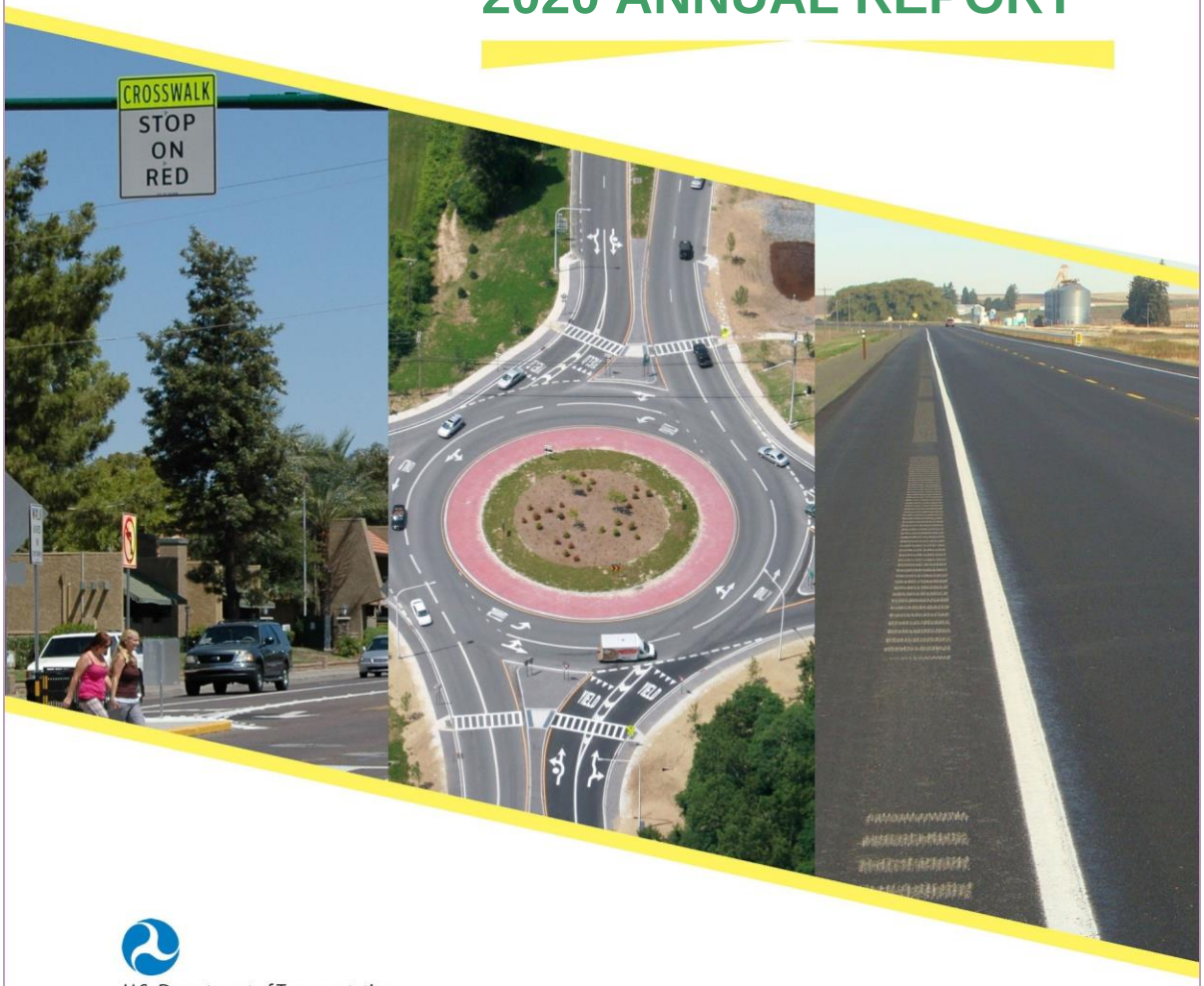
WEST VIRGINIA

HIGHWAY SAFETY IMPROVEMENT PROGRAM

2020 ANNUAL REPORT



U.S. Department of Transportation
Federal Highway Administration

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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. 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

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 924.14, states are required to report annual on the progress being made to advance HSIP implementation and evaluation efforts. This report describes West Virginia's implementation and effectiveness of its Highway Safety Improvement Program from July 1, 2019 through June 30, 2020, and satisfies the requirements of 23 U.S.C. 148(h) and 23 CFR 924.14. The established format consist of five sections: program structure, project implementation, safety performance, evaluation, and compliance assessment.

In 2007, West Virginia developed it's first Strategic Highway Safety Plan, which focused on nine specific emphasis areas. At the time West Virginia had 432 fatalities and 5,994 serious injuries. Since then the HSIP has primarily focused on emphasis areas identified in the SHSP. In 2014, the fatality number was 272 which met the primary goal of the 2007 SHSP. Working with several internal and external members, West Virginia began a revision of their SHSP that was completed in 2017. The new SHSP has five specific emphasis areas: Road Departure, Alcohol and Drug Impaired Driving, Occupant Protection, Speeding and Aggressive Driving, and Improving Highway Safety Data. Each emphasis area includes action plans that utilize the four E's of Safety to guide the implementation. WVDOH represents the engineering phase and is lead on infrastructure improvements. These improvements make up the majority of the HSIP projects and are mainly focused on reducing road departure crashes.

In the 10 years since the SHSP was adopted, West Virginia has experienced a significant drop in fatalities and serious injuries. The 25% decline in fatalities was across all road classifications, and HSIP funded projects throughout the state. Even though WVDOH maintains 94% of the state's system including local roads, all routes of the system are evaluated for HSIP funding. WVDOH works with local governments as well as Metropolitan Planning Organizations to guarantee the state's safety needs are being addressed.

The Railway Highway Crossing Report will be submitted as a separate document and is not included in any discussions within this report.

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.

West Virginia's Highway Safety Improvement Program (HSIP) is coordinated by the Mobility and Safety Section of the WVDOH's Traffic Engineering Division. The Section is responsible for reviewing and evaluating any project that is a candidate for highway safety funds. The initial review and evaluation of a potential project will include the analysis of crash data for the location, a field review of the site, and the collection of any other information found appropriate to evaluate the proposed project. Most projects are supported by the Strategic Highway Safety Plan. However, good projects that improve safety in West Virginia are evaluated even if they do not fall under any of the emphasis areas in the current SHSP.

Once a positive safety benefit is determined to exist for a project, the methodology discussed later is used to select the prioritize projects for the State's HSIP. Once a project is selected for the HSIP, the Section is responsible for selecting an HSIP funding category for the project, submitting appropriate programming documents where HSIP funds are encumbered and projects are assigned the State's Statewide Transportation Improvement Program (STIP). The Mobility and Safety Section remains responsible for monitoring and balancing the use of HSIP funds, and evaluating the effectiveness of a project following its completion. The annual HSIP for West Virginia is approximately $27.8 million. These funds can be used either for stand alone projects or in conjunction with other funding to partially fund the safety enhancement portion of a larger project.

Where is HSIP staff located within the State DOT?

Other-Traffic Engineering

How are HSIP funds allocated in a State?

- Central Office via Statewide Competitive Application Process
- SHSP Emphasis Area Data

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

West Virginia Department of Transportation maintains approximately ninety-four percent (94%) of the roads in the State, including all secondary or county routes. As such, all HSIP funds are typically used for highway safety projects on the State Highway System. Very few of the State's municipalities own city streets. These are typically lower volume and do not have significant numbers of fatal or serious injury crashes occurring on them; however, should a safety concern exist on a municipal street, the project would be eligible to compete for available HSIP funds. All routes, including locally owned routes, are included when annual ranking lists are

made. Ranking is based on classification so the lower AADT routes are not competing against higher multilane routes. Only routes that are higher than the state average for crashes are evaluated for countermeasures.

If a city request safety funds for a project, they would need to contact the Mobility and Safety Section of the WVDOH's Traffic Engineering Division or their local MPO. They would need to provide what the proposed improvement would be and the estimated cost. The local roads listed in question #32 are all local roads, and not just those owned by local municipalities.

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

Describe coordination with internal partners.

The Mobility and Safety Section coordinate with every division within WVDOT. Any division or district within DOH can recommend a location for safety improvements by contacting Mobility and Safety. The Traffic Safety Planning and Analysis section provides all divisions and districts with crash data. The Mobility and Safety Section will then review the crash data and determine whether a safety concern exists. This review may include performing a mini Road Safety Audit (RSA) that can be performed either at district level or a full scale RSA involving multiple disciplines (internal and external partners). Once the concern is identified, and countermeasures are determined, an estimate to implement the countermeasures is prepared. The Mobility and Safety Section shall perform a benefit/cost ratio to see if project is eligible for HSIP funding. Mobility and Safety is the lead for all infrastructure SHSP related projects that are identified as HSIP eligible. Other subjects like non-motorist concerns such as pedestrians and bicyclist are handled by DOH's Planning Division. All projects utilizing HSIP funds must be reviewed, approved and programmed by Mobility and Safety. The Mobility and Safety Section will provide Design Division with all recommendations, and will coordinate with all divisions/districts throughout the multiple phases of a project.

Identify which external partners are involved with HSIP planning.

- Academia/University
- FHWA
- Law Enforcement Agency
- Local Government Agency
- Local Technical Assistance Program
- Regional Planning Organizations (e.g. MPOs, RPOs, COGs)

Describe coordination with external partners.

For the HSIP to be productive Traffic Engineering Division (TED) must work with several external partners as well as their internal partners. The Safety Management Task Force (SMTF) is the governing body of the SHSP implementation. The HSMT is chaired by Traffic Safety Planning and Analysis but members of Mobility and Safety work on different emphasis areas. Through the SMTF the Mobility and Safety works closely with Governor's Highway Safety Program (GHSP), FHWA, Metropolitan Planning Organizations (MPO), WVU's

Local Technical Assistance Program (LTAP), Law Enforcement, and several others. TED has partnered with different universities to perform research on several emphasis areas identified in the SHSP. In addition, LTAP has been instrumental in helping TED get their Traffic Incident Management (TIM) program off the ground, and provides training on DOH's behalf.

The MPO's are another external partner that TED works with closely. The MPO have been helpful in identifying potential projects throughout their urban areas. Either working through WVDOH's Planning Section, the appropriate District or contacting Mobility and Safety Section directly, the MPO can request possible HSIP funding. The Road Safety Audit (RSA) is another key element that Mobility and Safety works with the MPO. Their expertise and knowledge of the area is often sought, and the MPO has been good to help coordinate with local enforcement and officials.

Program Methodology

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

Yes
Attached is a copy of our Program Elements and Process Flow Chart. West Virginia has been working with FHWA for Roadway Departure plan. Once that is complete, West Virginia will rewrite our process at a future date.

Select the programs that are administered under the HSIP.

- HRRR
- HSIP (no subprograms)
- Low-Cost Spot Improvements
- Median Barrier
- Roadway Departure
- Rural State Highways
- Skid Hazard

Program: HRRR

Date of Program Methodology:9/1/2014

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
- All crashes

Exposure
- Traffic

Roadway
- Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

Ranking based on B/C:1
Available funding:2

Program: HSIP (no subprograms)

Date of Program Methodology:9/1/2014

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

- All crashes

Exposure

- Traffic

Roadway

- Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

Program: Low-Cost Spot Improvements

Date of Program Methodology:10/1/2016

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 crashes	• Traffic	• Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

Program: Median Barrier

Date of Program Methodology:10/1/2016

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 crashes	• Traffic	• Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

Program: Roadway Departure

Date of Program Methodology:9/1/2014

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 crashes	• Traffic	• Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

Available funding:1

Program: Rural State Highways

Date of Program Methodology:9/1/2014

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

- All crashes

Exposure

- Traffic

Roadway

- Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

Ranking based on B/C:1
Available funding:2

Program: Skid Hazard

Date of Program Methodology:10/1/2016

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

- All crashes

Exposure

- Traffic

Roadway

- Functional classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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).

Rank of Priority Consideration

What percentage of HSIP funds address systemic improvements?

49

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

- Add/Upgrade/Modify/Remove Traffic Signal
- Cable Median Barriers
- High friction surface treatment
- Horizontal curve signs

- Install/Improve Lighting
- Install/Improve Pavement Marking and/or Delineation
- Install/Improve Signing
- Pavement/Shoulder Widening
- Rumble Strips
- Safety Edge
- Traffic Control Device Rehabilitation
- Upgrade Guard Rails

What process is used to identify potential countermeasures?

- Crash data analysis
- Engineering Study
- Road Safety Assessment
- SHSP/Local road safety plan
- Stakeholder input

Does the State HSIP consider connected vehicles and ITS technologies?

Yes

Describe how the State HSIP considers connected vehicles and ITS technologies.

The WVDOH currently has two safety projects programmed dealing with ITS technologies. The first project provides funds to upgrade ITS and traffic control devices throughout the state. The second provides funds for technical service support for ITS.

The total cost for the two projects is $8,554,800 which uses $1,809,977 in safety funds.

No funding has been programmed for CV/AV 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.

In cases when the WVDOH is considering several solutions to a safety concern, the WVDOH will use the Highway Safety Manual to see what solution should give the best reduction in fatalities and injury crashes.

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

The overall purpose of the HSIP is to achieve a significant reduction in traffic fatalities and incapacitating injuries through the implementation of infrastructure related highway safety improvements. Components of West Virginia's HSIP include the Strategic Highway Safety Program (SHSP), the Highway Safety Improvement Program (HSIP), and the Railway-Highway Grade Crossing Program. All routes in West Virginia are eligible for HSIP funding including the local routes not under WVDOH control.

FAST ACT removed the requirement for a formal set aside for High Risk Rural Roads, and the funding was absorbed by the larger HSIP. Roads that were traditionally reviewed in the HRRR Program are still being reviewed and ranked in the HSIP. Rural collectors or rural local roads generally correlate to the county route highway class and WVDOH maintains all of the State's more than 28,000 miles in county routes. The State has

been able to allocate HSIP funds to the routes that have a crash rate higher than state average for that classification.

Since Road Departure is the #1 cause of death and serious injury in West Virginia, it has been the focus of the HSIP. All routes in West Virginia were ranked based on their run off the road crash rate and the top US and State routes are currently being reviewed by several consultants for appropriate countermeasures. Once that process is complete, the county routes will be reviewed in a similar method. Two consultants have been hired to guarantee consistency and provide guidance on plan preparation. In addition, projects dealing with other focus areas of the SHSP are reviewed and funded if funds are available and the benefit/cost ratio is above 1.

Project Implementation

Funds Programmed

Reporting period for HSIP funding.

State Fiscal Year

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

FUNDING CATEGORY	PROGRAMMED	OBLIGATED	% OBLIGATED/PROGRAMMED
HSIP (23 U.S.C. 148)	$19,266,859	$12,405,654	64.39%
HRRR Special Rule (23 U.S.C. 148(g)(1))	$240,000	$180,000	75%
Penalty Funds (23 U.S.C. 154)	$0	$0	0%
Penalty Funds (23 U.S.C. 164)	$0	$0	0%
RHCP (for HSIP purposes) (23 U.S.C. 130(e)(2))	$0	$0	0%
Other Federal-aid Funds (i.e. STBG, NHPP)	$0	$0	0%
State and Local Funds	$0	$0	0%
Totals	$19,506,859	$12,585,654	64.52%

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

$0

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

$0

WVDOH owns the majority of the roads in WV which includes local county routes. The few local owned routes are eligible for HSIP funding. However, none of these routes have had a crash history that is above state average.

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

$5,439,677

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

$4,645,177

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.

West Virginia has observed an impediment to obligating Highway Safety Improvement Program funds. Even though the Mobility and Safety Section is responsible for monitoring and balancing the use of HSIP funds, they do not handle the design of the project. We have found that people who are responsible for the design of the project have too much work. Often these people have other projects from other core programs.

To overcome this, members of the Mobility and Safety Section are keeping contact with people who are responsible for the design during the entire process and checking with their workload before assigning the design of the project to them.

In 2016, West Virginia became a focus state for run off the road accidents. FHWA will make available resources to try to reduce the number of run off the road accidents. FHWA contracted TTI to review West Virginia's crash data and develop a plan for 2018-2019 funding.

In 2017, West Virginia initiated an accelerated safety program. With this program, West Virginia used available safety funds to upgrade existing cable guardrail to high tension four strand, install new cable guardrail, fund guardrail IDIQ projects, install high friction throughout the state, fund ITS, and install new lighting at interchanges and intersections. Additionally West Virginia has identified US and West Virginia routes that have a roadway departure rate higher than the statewide average. West Virginia has hired several consultants to assess these roads and propose various improvements to these routes. Safety funds were then used to fund these improvements.

The WVDOH made a commitment to be able to do system analysis and evaluation encompassing the entire state-owned highway network. When this commitment was made, it was under the assumption that the OASIS system would be fully functional and operating at full capacity. While the OASIS did go live in 2014 and was functioning properly, it was discovered that there was some major crash mapping and data quality issues that needed to be remedied. At launch, there were approximately 60% of the crashes statewide that were able to be mapped. This means that all of the data analysis as well as network screening (sliding window analysis) were inlay able to utilize 60% of the total crashes. Traffic's Safety Planning and Analysis Section is working on a system outside of OASIS to provide accurate data.

General Listing of Projects

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 EMPHASIS AREA	SHSP STRATEGY
Monongahela Blvd Lighting Upgrade	Lighting	Continuous roadway lighting	1.01	Miles	$100000	$676515	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	25,201	45	State Highway Agency	Spot	Roadway Departure	
Work Zone Training - Advanced	Non-infrastructure	Training and workforce development	1	Training	$150000	$150000	HSIP (23 U.S.C. 148)	N/A	N/A	0		State Highway Agency	Systemic	Data	
TIM Implementation	Advanced technology and ITS	Congestion detection / traffic monitoring system	1	System	$400000	$500000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Data	
Communication Drive Lighting	Lighting	Intersection lighting	1	Intersections	$396151	$396151	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	1,800	65	State Highway Agency	Spot	Roadway Departure	
Brounland Road Traffic Light (CON)	Intersection traffic control	Modify traffic signal - miscellaneous/other/unspecified	1	Intersections	$792978	$881087	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	15,209	65	State Highway Agency	Spot	Roadway Departure	
Traffic Signal ITS IDIQ 2019-2021	Advanced technology and ITS	Advanced technology and ITS - other	1	Support	$809977	$4220979	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Data	
Crash Reconstruction Equipment	Non-infrastructure	Non-infrastructure - other	1	Purchase	$480000	$600000	HSIP (23 U.S.C. 148)	N/A	N/A	0		Other State Agency	Spot	Data	
Morgantown Pedestrian Improvement	Non-infrastructure	Transportation safety planning	1	Study	$331200	$375000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	32,200	35	State Highway Agency	Spot	Data	
Sycamore Road Traffic Signal	Intersection traffic control	Modify traffic signal - miscellaneous/other/unspecified	1	Intersections	$114635	$127372	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	5,270	40	State Highway Agency	Spot	Roadway Departure	
2019 Navigation Lighting Assessment	Non-infrastructure	Non-infrastructure - other	1	Study	$240000	$300000	HSIP (23 U.S.C. 148)	N/A	N/A	0		State Highway Agency	Systemic	Data	
2019 ITS Program Standards	Non-infrastructure	Non-infrastructure - other	1	Program	$200000	$250000	HSIP (23 U.S.C. 148)	N/A	N/A	0		State Highway Agency	Systemic	Data	
2019 Lighting Standards and Specifications	Non-infrastructure	Transportation safety planning	1	Program	$225000	$250000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Roadway Departure	

2020 West Virginia Highway Safety Improvement Program

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
2020 County Roadway Assessment A +35	Non-infrastructure	Transportation safety planning	215.23	Miles	$225000	$250000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
2020 County Roadway Assessment B +30	Non-infrastructure	Transportation safety planning	178.98	Miles	$225000	$250000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
2020 County Roadway Assessment C +25	Non-infrastructure	Transportation safety planning	189.46	Miles	$225000	$250000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
2020 County Roadway Assessment D +26	Non-infrastructure	Transportation safety planning	175.18	Miles	$225000	$250000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
2020 County Roadway Assessment E +25	Non-infrastructure	Transportation safety planning	142.65	Miles	$225000	$250000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
Buffalo Bridge HFST	Roadway	Pavement surface - high friction surface	0.12	Miles	$191750	$191750	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	11,511	55	State Highway Agency	Spot	Roadway Departure	
Allegheny Drive HFST +4	Roadway	Pavement surface - high friction surface	0.40	Miles	$684651	$760723	HSIP (23 U.S.C. 148)	Rural	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
2020 RPM	Roadway delineation	Raised pavement markers	3	Districts	$490141	$544601	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	
Berlin Road Guardail	Roadside	Barrier- metal	8.38	Miles	$294252	$326947	HSIP (23 U.S.C. 148)	Urban	Major Collector	1,800	35	State Highway Agency	Spot	Roadway Departure	
Curve Analysis for US and WV Routes	Non-infrastructure	Transportation safety planning	1	Analysis	$675000	$750000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Roadway Departure	
Curve Analysis for Interstate and APD Routes	Non-infrastructure	Transportation safety planning	1	Analysis	$639000	$710000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Roadway Departure	
Roadway Departure Phase 2 Review	Non-infrastructure	Transportation safety planning	1	Project	$180000	$200000	HSIP (23 U.S.C. 148)	N/A	N/A	0		State Highway Agency	Systemic	Roadway Departure	

2020 West Virginia Highway Safety Improvement Program

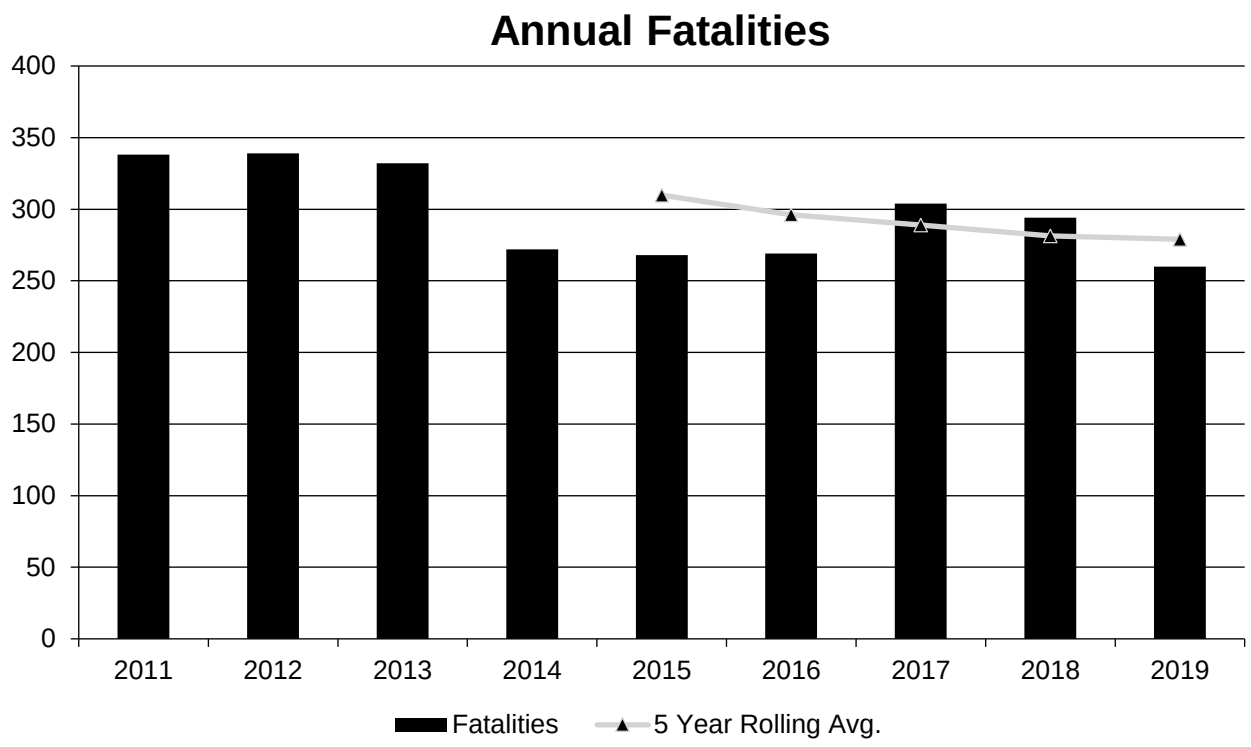
PROJECT NAME	IMPROVEMENT CATEGORY	SUBCATEGORY	OUTPUTS	OUTPUT TYPE	HSIP PROJECT COST($)	TOTAL PROJECT COST($)	FUNDING CATEGORY	LAND USE/AREA TYPE	FUNCTIONAL CLASSIFICATION	AADT	SPEED	OWNERSHIP	METHOD FOR SITE SELECTION	SHSP EMPHASIS AREA	SHSP STRATEGY
Traffic Operations Safety Studies	Non-infrastructure	Transportation safety planning	1	Studies	$315000	$350000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Data	
Lincoln Highway HFST	Roadway	Pavement surface - high friction surface	0.60	Miles	$322706	$358562	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	12,100	45	State Highway Agency	Spot	Roadway Departure	
I-79 Signing North	Roadway signs and traffic control	Roadway signs (including post) - new or updated	29.50	Miles	$1449052	$2898104	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Interstate	22,700	70	State Highway Agency	Systemic	Roadway Departure	
2019 Roadway Assessment E +5	Non-infrastructure	Transportation safety planning	224.58	Miles	$36000	$240000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Data	
2019 Roadway Assessment E +5	Non-infrastructure	Transportation safety planning	224.58	Miles	$180000	$240000	HRRR Special Rule (23 U.S.C. 148(g)(1))	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Data	
2019 Roadway Departure Assessment A +8	Non-infrastructure	Transportation safety planning	227.89	Miles	$216000	$240000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Data	
2019 Roadway Departure Assessment C +10	Non-infrastructure	Transportation safety planning	244.19	Miles	$216000	$240000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Systemic	Data	
Greenbrier Street and Kanawha Blvd.	Pedestrians and bicyclists	Miscellaneous pedestrians and bicyclists	1	Intersections	$857871	$953190	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	12,200	40	State Highway Agency	Spot	Pedestrians	
ADA Traffic Signal Upgrade	Pedestrians and bicyclists	Miscellaneous pedestrians and bicyclists	1	Intersections	$473290	$525878	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	37,600	40	State Highway Agency	Spot	Pedestrians	

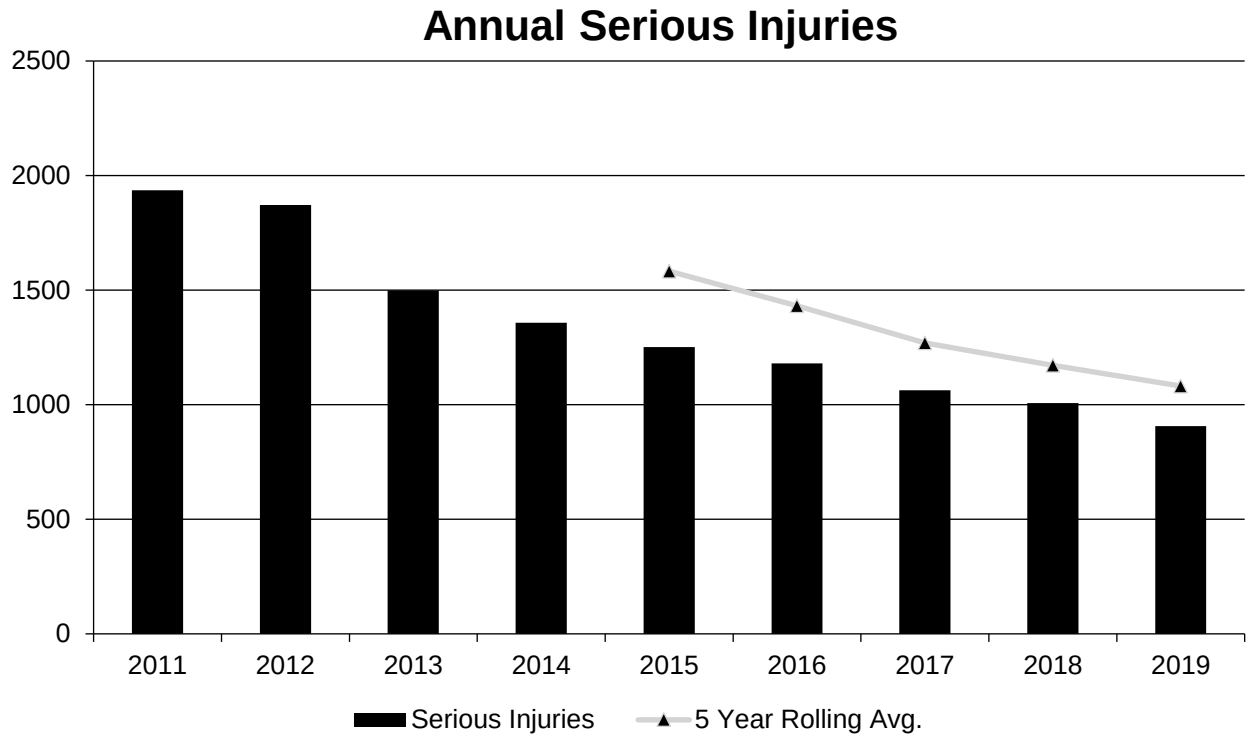
Safety Performance

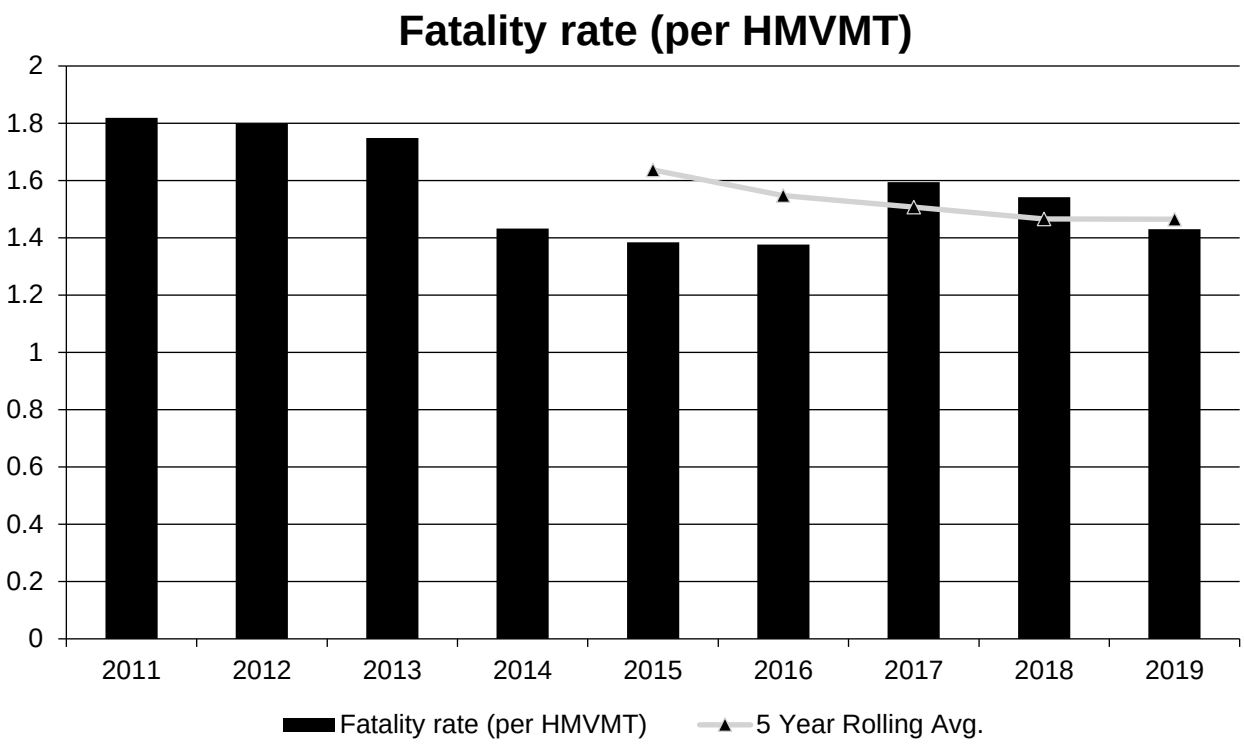
General Highway Safety Trends

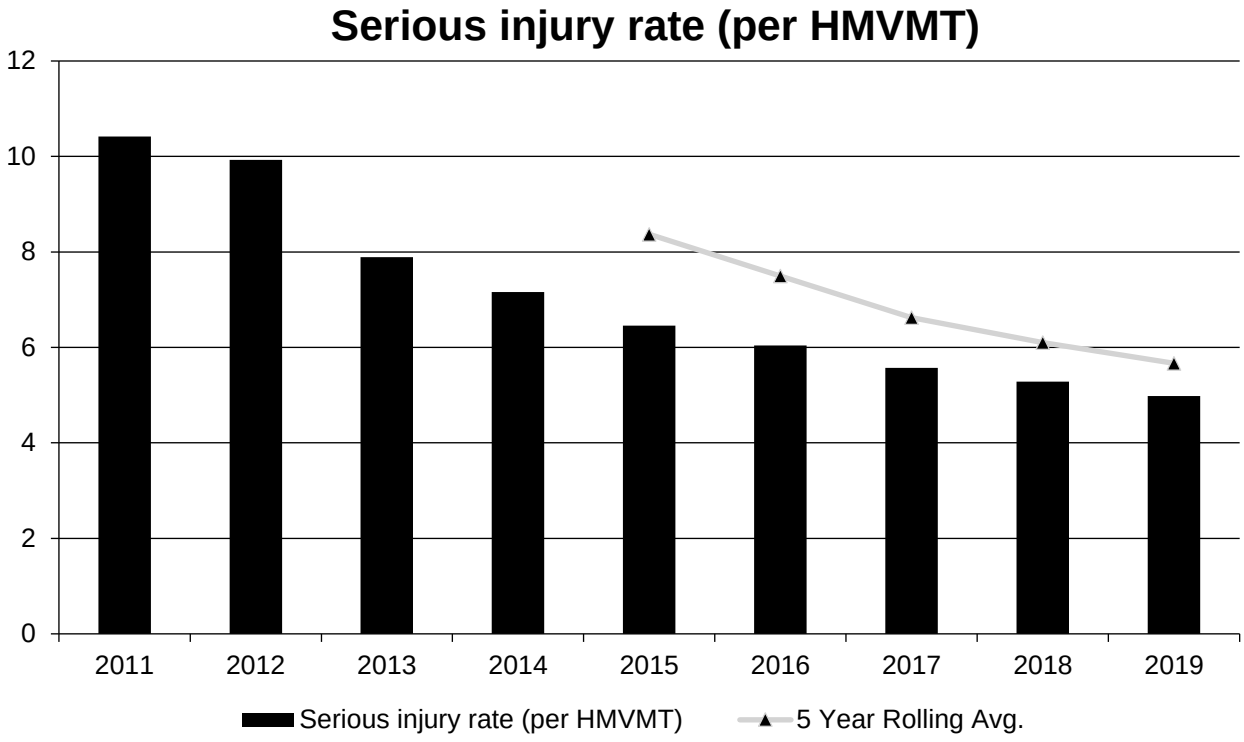
Present data showing the general highway safety trends in the State for the past five years.

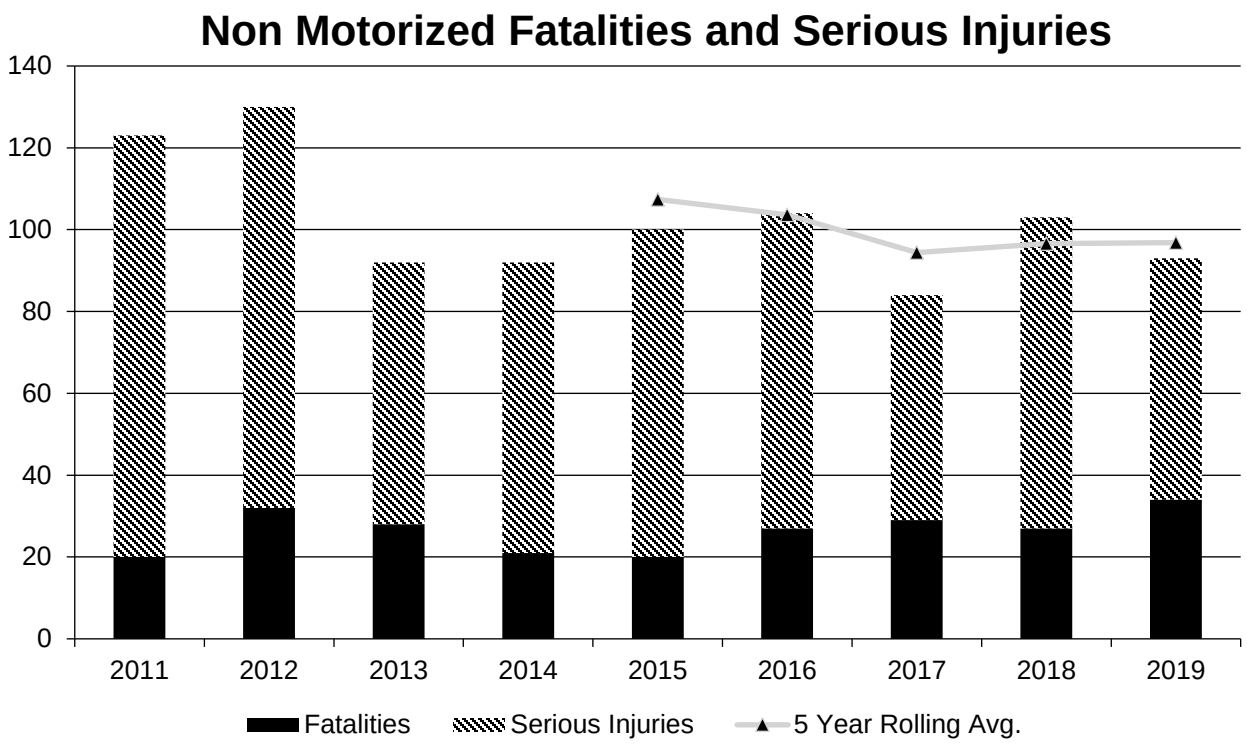
PERFORMANCE MEASURES	2011	2012	2013	2014	2015	2016	2017	2018	2019
Fatalities	338	339	332	272	268	269	304	294	260
Serious Injuries	1,936	1,871	1,498	1,358	1,251	1,180	1,063	1,007	906
Fatality rate (per HMVMT)	1.819	1.799	1.749	1.433	1.384	1.377	1.594	1.542	1.430
Serious injury rate (per HMVMT)	10.417	9.927	7.889	7.157	6.459	6.039	5.574	5.280	4.983
Number non-motorized fatalities	20	32	28	21	20	27	29	27	34
Number of non-motorized serious injuries	103	98	64	71	80	77	55	76	59


Annual Fatalities
400
350
300
250
200
150
100
50
0
2011
2012
2013
2014
2015
2016
2017
2018
2019
Fatalities
5 Year Rolling Avg.


Annual Serious Injuries
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
2016
2017
2018
2019
Serious Injuries
5 Year Rolling Avg.


Fatality rate (per HMVMT)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2011
2012
2013
2014
2015
2016
2017
2018
2019
Fatality rate (per HMVMT)
5 Year Rolling Avg.


Serious injury rate (per HMVMT)
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
2016
2017
2018
2019
Serious injury rate (per HMVMT)
5 Year Rolling Avg.



Describe fatality data source.

FARS

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

Year 2019

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	17.4	38.4	0.74	1.63
Rural Principal Arterial (RPA) - Other Freeways and Expressways	0	0	0	0
Rural Principal Arterial (RPA) - Other	47.8	130.8	2.19	5.97
Rural Minor Arterial	28	117.8	1.93	8.11
Rural Minor Collector	7.2	27.4	2.06	7.79
Rural Major Collector	54.4	215.8	2.31	8.88

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 Local Road or Street	27	86.4	2.79	8.94
Urban Principal Arterial (UPA) - Interstate	20.6	41.8	0.59	1.2
Urban Principal Arterial (UPA) - Other Freeways and Expressways	0.6	1.4	0.71	1.68
Urban Principal Arterial (UPA) - Other	27.2	92.4	1.21	4.03
Urban Minor Arterial	25.2	97.8	1.3	4.99
Urban Minor Collector	8	0.6	15.35	2.13
Urban Major Collector	6	37.8	0.65	4.04
Urban Local Road or Street	6.6	19.8	1.56	4.4

Year 2019

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	286	1,166.2	1.68	6.74
County Highway Agency				
Town or Township Highway Agency				
City or Municipal Highway Agency	5.2	73.2	0.05	7.1
State Park, Forest, or Reservation Agency				
Local Park, Forest or Reservation Agency				
Other State Agency	3.4	0.2	22.78	0
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				

Safety Performance Targets

Safety Performance Targets

Calendar Year 2021 Targets *

Number of Fatalities:263.7

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

West Virginia's SHSP established the overall goal of cutting the 5 year average number of fatalities in half by the year 2030, using 2005-2009 as our baseline year. At the time of SHSP development, targets were

calculated for each year. Annually, the targets are adjusted based upon the most current five-year average number of fatalities available (currently 2015-2019) while keeping the 2030 goal the same as it was when the SHSP was adopted.

Number of Serious Injuries:1002.4

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

West Virginia's SHSP established the overall goal of cutting the 5 year average number of serious injuries to one third of baseline numbers by the year 2030, using 2009-2013 as our baseline year. At the time SHSP development, targets were calculated for each year. Annually, the targets are adjusted based upon the most current five-year average number of serious injuries available (currently 2015-2019) while keeping the 2030 goal the same as it was when the SHSP was adopted.

Fatality Rate:1.457

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

West Virginia's SHSP established the overall goal of cutting the 5 year average number of fatalities in half by the year 2030, using 2005-2009 as our baseline year. It also established a target fatality rate based on the goal five-year number of fatalities and an assume annual VMT growth of 0.44%. At the time of SHSP development, targets were calculated for each year with target fatality rates being calculated from target 5-year average numbers of fatalities and the assume VMT growth previously described. Annually, the targets are adjusted based upon the most current five-year average number of fatalities available (currently 2015-2019) while keeping the 2030 goal the same as it was when the SHSP was adopted.

Serious Injury Rate:5.023

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

West Virginia's SHSP established the overall goal of cutting the 5 year average number of serious injuries to one third of baseline numbers by the year 2030, using 2009-2013 as our baseline year. It also established a target serious injury rate based on the goal based on the goal five-year average number of serious injuries and an assumed annual VMT growth of 0.44%. At the time SHSP development, targets were calculated for each year. Annually, the targets are adjusted based upon the most current five-year average number of serious injuries available (currently 2015-2019) while keeping the 2030 goal the same as it was when the SHSP was adopted.

Total Number of Non-Motorized Fatalities and Serious Injuries:86.2

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

To decrease pedestrian fatalities by 4 percent from 23 (2013-2017 average) to 22 (2017-2021) and to maintain bicyclist fatalities at one 2013-2017 average through the 2017-2021 average, non-motorized crashes are not an emphasis area within West Virginia's SHSP. Safety performance targets for this area have been established in the same manner that targets for fatalities an serious injuries. This baseline 5-year average for this was 2009-2013 and the goal was to cut them to one third of that average. We adjust them annually, just as we do fatalities and serious injuries keeping the 2030 goal the same.

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

In the mid-1990's, various officials with highway safety responsibilities in West Virginia recognized the value of banding together to advance highway safety. This resulted in the creation of the State's first Highway Safety Management Task Force. After a brief hiatus, the renamed Safety Management Task Force (SMTF) reconvened in late 2001 and met regularly to coordinate highway safety-related activities and programs and

allowed participants to speak with one voice for greater safety impacts.

Today, the Task Force continues this mission as its more than 30 members provide oversight of the SHSP, including plan development, implementation, and evaluation. Recently, they worked diligently on the update that responds to the current traffic safety problems facing West Virginia. Members of the SMTF include the Alcohol Beverage Control Administration, local law enforcement representatives, Department of Education, Department of Health and Human Resources, Division of Highways, Division of Motor Vehicles, Federal Highway Administration, Federal Motor Carrier Safety Administration, Governor's Highway Safety Program, National Highway Traffic Safety Administration, Office of the Insurance Commissioner, Parkways Authority, Public Service Commission, state police, West Virginia Association of Metropolitan Organization, West Virginia Commission of Drunk Driving Prevention, and West Virginia University Medicine.

Does the State want to report additional optional targets?

No

Describe progress toward meeting the State's 2019 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.

PERFORMANCE MEASURES	TARGETS	ACTUALS
Number of Fatalities	283.0	279.0
Number of Serious Injuries	977.0	1081.4
Fatality Rate	1.498	1.465
Serious Injury Rate	5.370	5.667
Non-Motorized Fatalities and Serious Injuries	89.0	96.8

West Virginia met some of its safety performance targets in 2019. In 2019, the safety performance target for fatalities and fatality rate was 283.0 and 1.498 respectively. That year, West Virginia's five year average was 279.0 and 1.465 for fatalities and fatality rate respectively. West Virginia came close to the safety target in serious injuries and serious injury rate. The five year average for serious injuries and serious injury rate was 1081.4 and 5.667 and the target was 977.0 and 5.370 respectively.

Applicability of Special Rules

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

No

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	2013	2014	2015	2016	2017	2018	2019
Number of Older Driver and Pedestrian Fatalities	42	42	35	41	43	65	43

PERFORMANCE MEASURES	2013	2014	2015	2016	2017	2018	2019
Number of Older Driver and Pedestrian Serious Injuries	135	126	97	89	104	117	95

Evaluation

Program Effectiveness

How does the State measure effectiveness of the HSIP?

- Benefit/Cost Ratio
- Change in fatalities and serious injuries
- Economic Effectiveness (cost per crash reduced)

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

West Virginia has focused on Road Departure with it's HSIP since it has the best chance of reducing the fatality and injury rates. However, other projects are evaluated if they meet the SHSP goals.

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

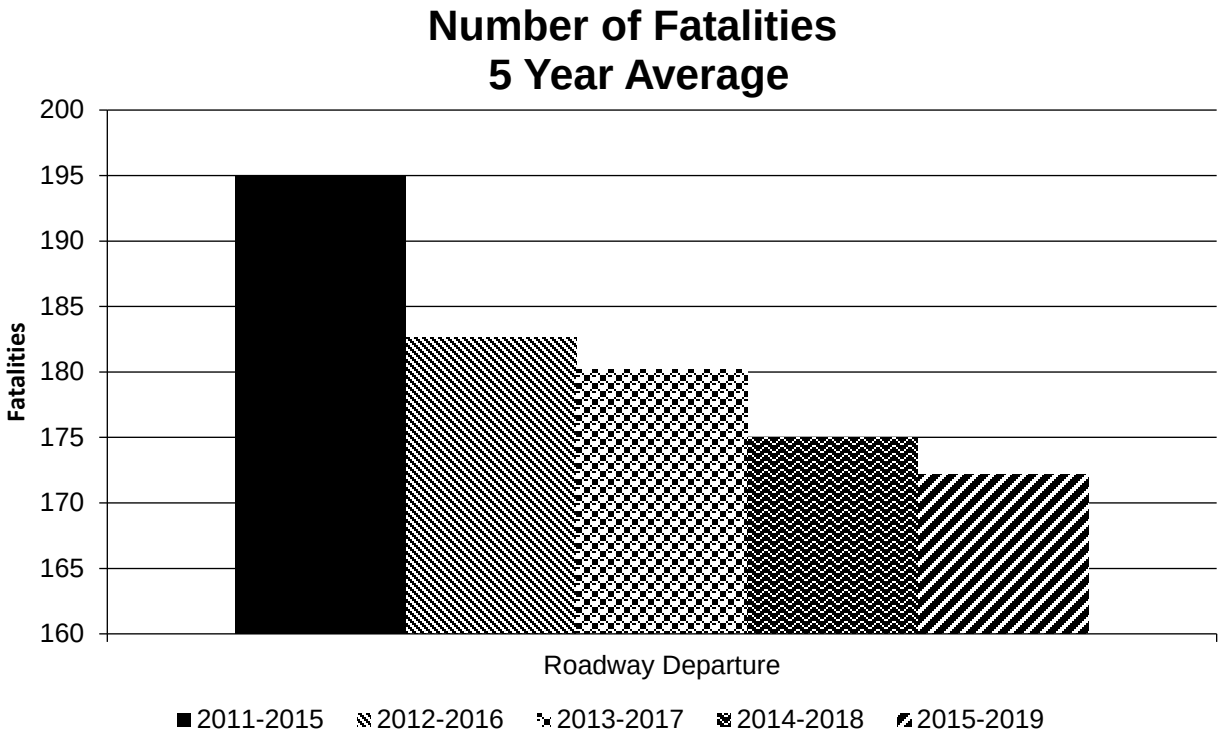
- HSIP Obligations
- More systemic programs

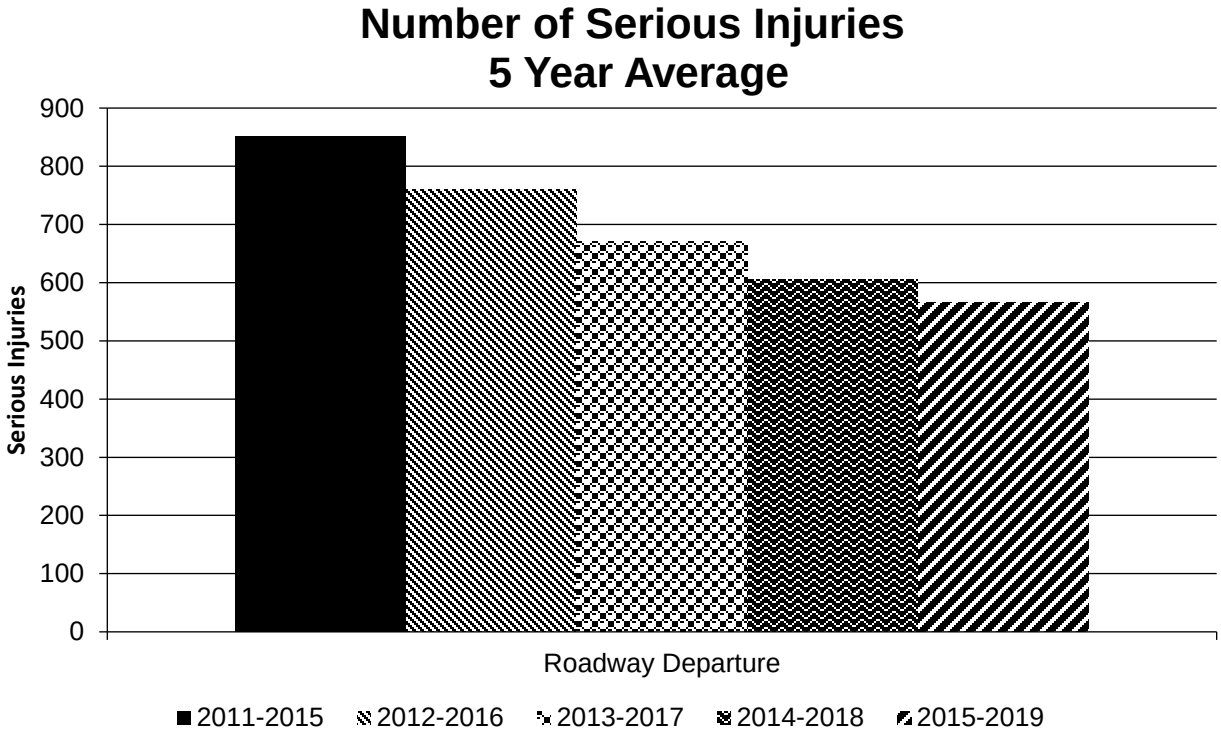
Effectiveness of Groupings or Similar Types of Improvements

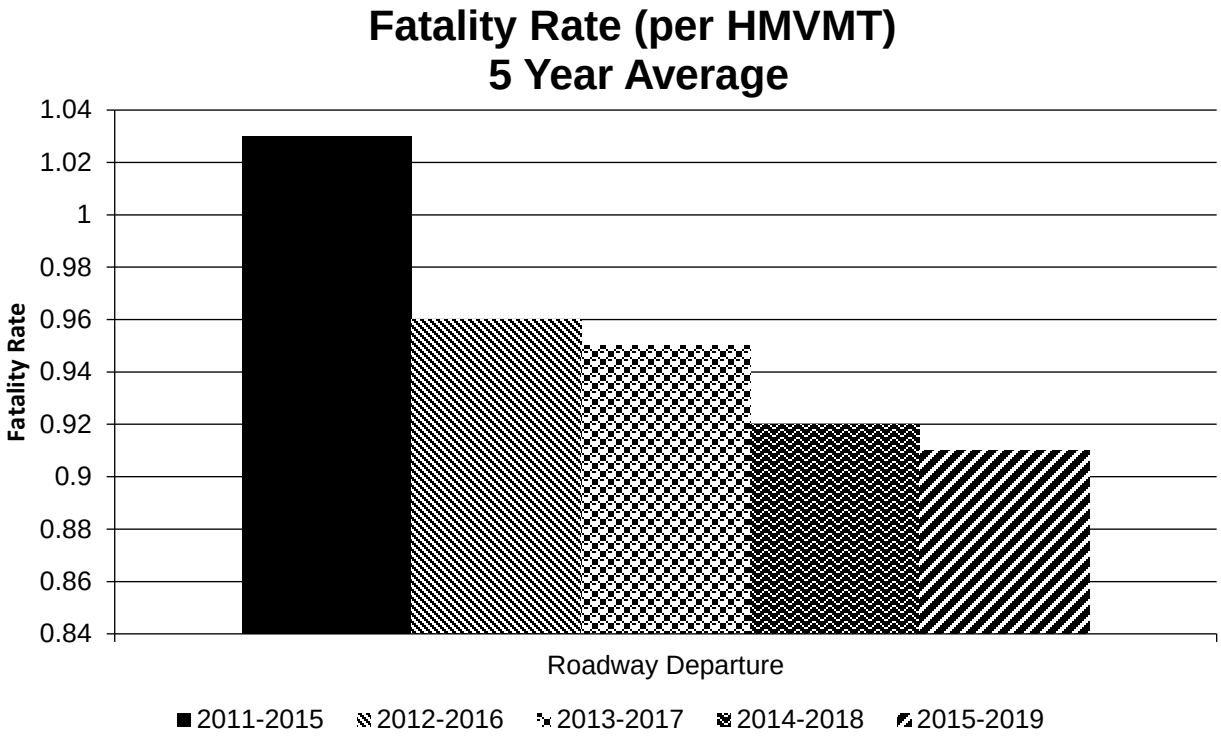
Present and describe trends in SHSP emphasis area performance measures.

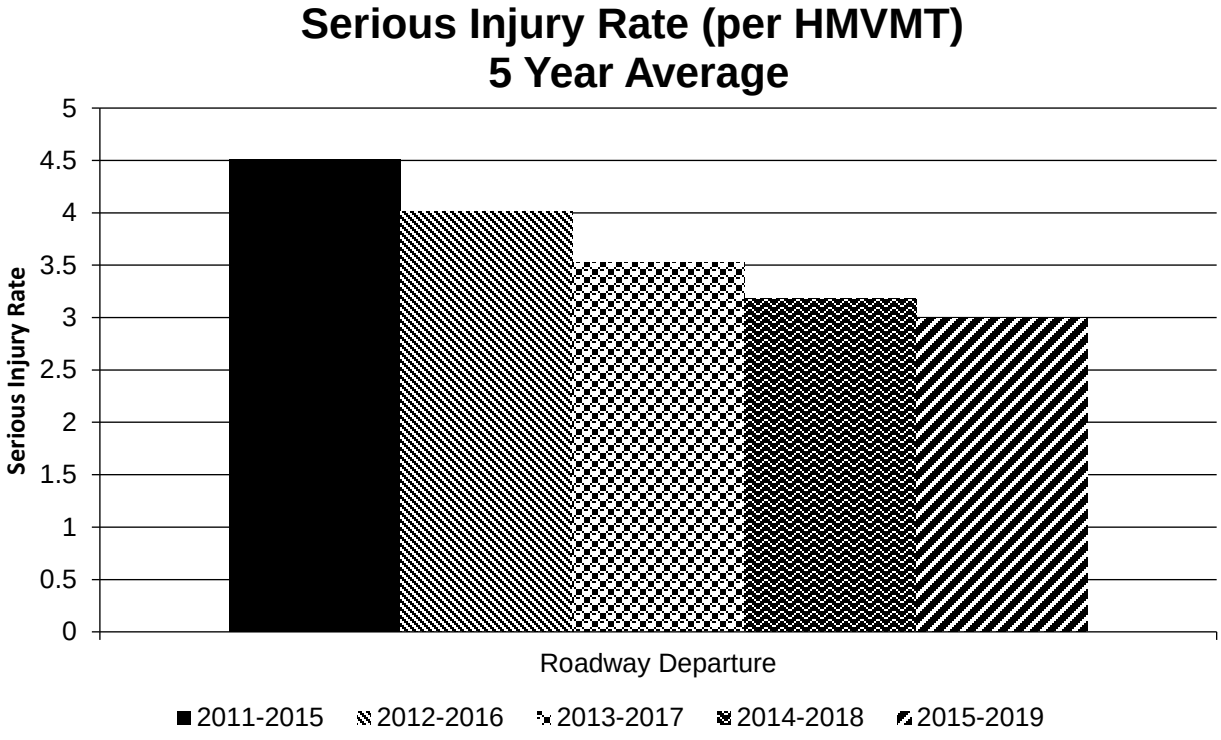
Year 2019

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		172.2	565.4	0.91	2.99


Number of Fatalities
5 Year Average
200
195
190
185
180
175
170
165
160
Fatalities
Roadway Departure
2011-2015
2012-2016
2013-2017
2014-2018
2015-2019


Number of Serious Injuries
5 Year Average
900
800
700
600
500
400
300
200
100
0
Serious Injuries
Roadway Departure
2011-2015
2012-2016
2013-2017
2014-2018
2015-2019


Fatality Rate (per HMVMT)
5 Year Average
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
Fatality Rate
Roadway Departure
2011-2015
2012-2016
2013-2017
2014-2018
2015-2019


Serious Injury Rate (per HMVMT)
5 Year Average
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Serious Injury Rate
Roadway Departure
2011-2015
2012-2016
2013-2017
2014-2018
2015-2019

Project Effectiveness

Provide the following information for previously implemented projects that the State evaluated this reporting period.

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)
Lincoln County WV 3	Rural Major Collector	Roadway	Pavement surface - high friction surface	2.00	1.00							2.00	1.00	
Cabell County WV 10	Rural Minor Arterial	Roadway	Pavement surface - high friction surface	1.00	9.00			1.00		1.00	2.00	3.00	11.00	
Logan County WV 10	Urban Minor Arterial	Roadway	Pavement surface - high friction surface	5.00	5.00					4.00	2.00	9.00	7.00	
Hancock County CR 11	Urban Minor Arterial	Roadside	Barrier- metal	10.00	10.00				1.00	7.00	2.00	17.00	13.00	
Ohio County WV 2	Urban Principal Arterial (UPA) - Other	Roadway	Rumble strips - edge or shoulder	92.00	79.00		1.00		2.00	28.00	26.00	120.00	108.00	
Doddridge County US 50	Rural Principal Arterial (RPA) - Other	Intersection traffic control	Modify traffic signal - miscellaneous/other/unspecified	7.00	12.00			1.00		13.00	3.00	21.00	15.00	
Ohio County I-70	Urban Principal Arterial (UPA) - Interstate	Lighting	Site lighting - interchange	145.00	184.00	1.00		1.00	6.00	40.00	48.00	187.00	238.00	
Harrison County I-79	Rural Principal Arterial (RPA) - Interstate	Roadside	Barrier- metal	46.00	66.00			2.00	3.00	9.00	25.00	57.00	94.00	
Ohio County CR 23	Urban Major Collector	Roadside	Barrier- metal	17.00	17.00	1.00				7.00	3.00	25.00	20.00	

Compliance Assessment

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

07/31/2017

What are the years being covered by the current SHSP?

From: 2017 To: 2021

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

2021

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

*Based on Functional Classification (MIRE 1.0 Element Number) [MIRE 2.0 Element Number]

ROAD TYPE	*MIRE NAME (MIRE NO.)	NON LOCAL PAVED ROADS - SEGMENT		NON LOCAL PAVED ROADS - INTERSECTION		NON LOCAL PAVED ROADS - RAMPS		LOCAL PAVED ROADS		UNPAVED ROADS	
		STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE
ROADWAY SEGMENT	Segment Identifier (12) [12]	100						100	95	100	95
	Route Number (8) [8]	100									
	Route/Street Name (9) [9]	100									
	Federal Aid/Route Type (21) [21]	100									
	Rural/Urban Designation (20) [20]	100						100			
	Surface Type (23) [24]	100						100			
	Begin Point Segment Descriptor (10) [10]	100						100	95	100	95
	End Point Segment Descriptor (11) [11]	100						100	95	100	95
	Segment Length (13) [13]	100									
	Direction of Inventory (18) [18]	100									
	Functional Class (19) [19]	100						100		100	

ROAD TYPE	*MIRE NAME (MIRE NO.)	NON LOCAL PAVED ROADS - SEGMENT		NON LOCAL PAVED ROADS - INTERSECTION		NON LOCAL PAVED ROADS - RAMPS		LOCAL PAVED ROADS		UNPAVED ROADS	
		STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE
	Median Type (54) [55]	80									
	Access Control (22) [23]	100									
	One/Two Way Operations (91) [93]	100									
	Number of Through Lanes (31) [32]	100						100			
	Average Annual Daily Traffic (79) [81]	100						100			
	AADT Year (80) [82]	100									
	Type of Governmental Ownership (4) [4]	100						100	70	100	50
INTERSECTION	Unique Junction Identifier (120) [110]			50	50						
	Location Identifier for Road 1 Crossing Point (122) [112]			50	50						
	Location Identifier for Road 2 Crossing Point (123) [113]			50	50						
	Intersection/Junction Geometry (126) [116]			50	50						
	Intersection/Junction Traffic Control (131) [131]										
	AADT for Each Intersecting Road (79) [81]			100							
	AADT Year (80) [82]			100							
	Unique Approach Identifier (139) [129]			100	100						
INTERCHANGE/RAMP	Unique Interchange Identifier (178) [168]					100					
	Location Identifier for Roadway at										

ROAD TYPE	*MIRE NAME (MIRE NO.)	NON LOCAL PAVED ROADS - SEGMENT		NON LOCAL PAVED ROADS - INTERSECTION		NON LOCAL PAVED ROADS - RAMPS		LOCAL PAVED ROADS		UNPAVED ROADS	
		STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE
	Beginning of Ramp Terminal (197) [187]										
	Location Identifier for Roadway at Ending Ramp Terminal (201) [191]										
	Ramp Length (187) [177]					100					
	Roadway Type at Beginning of Ramp Terminal (195) [185]					100					
	Roadway Type at End Ramp Terminal (199) [189]					100					
	Interchange Type (182) [172]										
	Ramp AADT (191) [181]					100					
	Year of Ramp AADT (192) [182]					100					
	Functional Class (19) [19]					100					
	Type of Governmental Ownership (4) [4]					100					
Totals (Average Percent Complete):		**98.89**	**0.00**	**62.50**	**37.50**	**72.73**	**0.00**	**100.00**	**39.44**	**100.00**	**67.00**

*Based on Functional Classification (MIRE 1.0 Element Number) [MIRE 2.0 Element Number]

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.

Plans are moving forward to have West Virginia have complete access to the MIRE fundamental data elements on all public roads by September 30, 2026.

Optional Attachments

Program Structure:

WV HSIP Process.docx
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.