



RHODE ISLAND

HIGHWAY SAFETY IMPROVEMENT PROGRAM

2024 ANNUAL REPORT



Disclaimer: This report is the property of the State Department of Transportation (State DOT). The State DOT completes the report by entering applicable information into the Federal Highway Administration's (FHWA) Highway Safety Improvement Program (HSIP) online reporting tool. Once the State DOT completes the report pertaining to its State, it coordinates with its respective FHWA Division Office to ensure the report meets all legislative and regulatory requirements. FHWA's Headquarters Office of Safety then downloads the State's finalized report and posts it to the website (<https://highways.dot.gov/safety/hsip/reporting>) as required by law (23 U.S.C. 148(h)(3)(A)).

Photo source: Federal Highway Administration

Table of Contents

HIGHWAY SAFETY	1
IMPROVEMENT PROGRAM.....	1
Disclaimer	3
Protection of Data from Discovery Admission into Evidence	3
Executive Summary	4
Introduction	5
Program Structure.....	5
Program Administration	5
Program Methodology	8
Project Implementation	18
Funds Programmed.....	18
General Listing of Projects	21
Safety Performance	23
General Highway Safety Trends.....	23
Safety Performance Targets.....	29
Applicability of Special Rules.....	30
Evaluation	31
Program Effectiveness	31
Effectiveness of Groupings or Similar Types of Improvements	32
Project Effectiveness	36
Compliance Assessment.....	37
Optional Attachments.....	40
Glossary.....	41

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. 407 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

On behalf of the Rhode Island Department of Transportation (RIDOT) and the Office on Safety we are pleased to present the Highway Safety Improvement Program Annual Report for FY24.

In the past year, RIDOT has continued to make strides in the HSIP, including development of several systemic programs; streamlined effort to install countermeasures, and expanded local road program.

RIDOT has shifted most of our funding to the systemic program to help stretch our limited safety dollars. RIDOT developed a systemic, risk-based GIS-based tool for both the STEP and Horizontal Curve programs that has continued to be implemented over the past year. These two programs will help address over half of the fatal and serious injury crashes.

RIDOT also developed an Indefinite Delivery Indefinite Quantity (ID/IQ) contract that can streamline the installation of improvements within 3-6 months from diagnosis as well as help save on overhead costs often seen in larger construction projects. RIDOT revised their State TIP to include the ID/IQ starting in FY23. RIDOT developed two separate ID/IQ contracts that implement safety improvements such as signing, striping, ADA compliant wheelchair ramps, minor curb modifications, signal modifications, guardrail, and high friction surface treatment.

RIDOT also began to develop a Local Road program to help locals address safety issues. RIDOT participated in a FHWA Local Road Safety Plan workshop and plans to expand the program in FY25.

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.

Since 2010, The Rhode Island Department of Transportation (RIDOT) has followed the Highway Safety Manual process to guide their HSIP.

For network screening, RIDOT currently focuses on three programs: Roadway Departure; Pedestrian/Bike; and Angle Crashes.

The roadway departure program uses both systemic, risk based approach for curves and clear zones. Crash frequency and safety performance functions (SPFs) are used to identify hot spots on tangent segments. The Ped/Bike program uses a systemic, risk based approach using the STEP tool RIDOT recently developed. This tool uses over 20 attributes to assign a risk for each unsignalized crossing. For signalized crossings, RIDOT developed a systemic tool in FY22 and FY23, will begin to incorporate it into the screening process in FY25, and locations will begin implementation in FY 26.

The angle crash program currently uses frequency. RIDOT developed a systemic tool in FY22 and FY23, will begin to incorporate it into the screening process in FY25, and locations will begin implementation in FY26.

For diagnosis, RIDOT conducts RSAs at most locations identified through network screening as well as spot locations identified by local municipalities. For systemic treatments (curves, mid-block crossing), RIDOT often performs a smaller site visit.

For countermeasure identification, RIDOT relies on FHWA low-cost proven safety countermeasures, NCHRP, FHWA reports, and other safety documents to assist with countermeasure identification.

Improvements are **designed and implemented** in 3 ways: RIDOT Maintenance, ID/IQ, or Project Management. RIDOT Maintenance and Master Purchase Agreements allow RIDOT to streamline low-cost improvements (guardrail, signage, striping, tree removal) between 1 month and 1 year from diagnosis. Project Management is reserved for larger construction projects (e.g., roundabouts, traffic signal replacements, etc.) and can take 1-3 years from diagnosis depending on funding.

Once completed, the **projects are evaluated** to determine the safety effectiveness of the safety improvements. The resulting data will assist RIDOT with developing their own crash modification factors. RIDOT has developed a CMF for Road Diets and is currently developing them for Curve Delineation and High Friction Surface Treatment.

Where is HSIP staff located within the State DOT?

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.

Network Screening

On an annual basis, the RIDOT identifies the roadway facilities exhibiting the most severe safety needs based on crash severity and frequency/exposure or the predictive method. Through the RIDOT's HSIP, ALL public roads are addressed, focusing on fatal and serious injury crashes in line with their SHSP and the performance measures set forth in MAP-21 and the FAST Act. Most of the State-owned roadway network and some of the local roadways are mapped to a Linear Referencing System; however, the majority of the local roadways are not referenced and are manually reviewed to ensure their inclusion into the HSIP process.

As part of RIDOT's STEP program, all roadways statewide have been assigned a priority score based on 20 attributes. RIDOT plans on expanding its other systemic program inventory to local roads in the coming years.

As part of RIDOT's Horizontal Curve Program, all roadways will be reviewed for conformance.

Diagnosis and Implementation

The RIDOT works with municipalities to identify and mitigate crash issues on locally-maintained roadways. RIDOT has developed a process for locals to request a safety improvement with the intent for locals to perform the "planning" step from the HSIP process. RIDOT will then determine if the improvement is eligible for HSIP funds and distribute the funds needed to the locals so they can administer the construction of the improvements. If RIDOT plans to implement the improvements, RIDOT coordinates closely with the municipality to get buy in and sign off on the improvements and a construction/maintenance agreement.

RIDOT has worked with several municipalities on pedestrian and bicycle safety. They have developed safety action plans for multiple communities with high pedestrian activity. RIDOT has also reviewed all segments statewide and assigned a "risk" score to them. This will help RIDOT and locals prioritize safety for vulnerable road users.

Implementation

To streamline the implementation of Low Cost Safety Improvements on all state and local roads, to reduce fatalities and serious injuries, RIDOT began administering safety improvements through several ID/IQ contracts in FY23, continuing through FY24. These contracts are funded with HSIP funds and enable RIDOT to reduce project soft costs and accelerate delivery. The RIDOT Office of Project Management administers these contracts with close coordination with the Office of Safety in order to accelerate implementation.

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

- Design
- Governors Highway Safety Office
- Local Aid Programs Office/Division
- Maintenance
- Operations
- Planning
- Traffic Engineering/Safety

Describe coordination with internal partners.

Traffic Safety, Planning, and Operations: RIDOT works internally with transportation planners (RIDOT internal and Statewide Planning), RIDOT GIS analysts, RIDOT safety engineers, RIDOT and OHS highway safety program coordinators, and RIDOT operations staff as part of the entire HSIP process, including the identification of critical locations and the selection of appropriate countermeasures/improvements. These partners are involved in Road Safety Assessments (RSAs) that were performed at many of these locations to facilitate this multi-discipline approach.

Governors Highway Safety Office: RIDOT also houses the Office on Highway Safety where the HSIP, HSP, and SHSP are all developed in a coordinated effort focused on developing consistent safety goals. Safety initiatives are now implemented in a more integrated and multi-disciplinary manner, providing RIDOT with more flexibility to direct resources to address particular safety needs. RIDOT and OHS along with RI's Office of Performance Management coordinated the development of performance measurement and targets for FY25.

Design (Project Management): Office of Traffic Safety also works with the Project Management sections of RIDOT in order to bundle safety projects whenever feasible. These discussions commence at pre-scoping and continue through scoping and final design.

Maintenance: RIDOT Maintenance forces implement the short-term improvements (signing, striping, minor signal work) identified by RIDOT Office of Safety through customer service requests, safety studies, and RSAs.

Local Aid: RIDOT Office of Safety regularly coordinates with the LTAP to discuss any documented safety concerns on local roads and works together to help implement safety infrastructure improvements (incorporate into the STIP or to be performed by RIDOT Maintenance) as well as provide training opportunities for locals.

Identify which external partners are involved with HSIP planning.

- Academia/University
- FHWA
- Law Enforcement Agency
- Regional Planning Organizations (e.g. MPOs, RPOs, COGs)
- Tribal Agency

Describe coordination with external partners.

Law Enforcement and FHWA: Both agencies are involved in bi-monthly safety meetings as well as the SHSP development process. They have direct input to the safety decisions the internal partners developed.

2024 Rhode Island Highway Safety Improvement Program

RI MPO: They are involved in the TIP process (specifically for safety projects) as well as the SHSP development process. Other MPO studies, such as the Bicycle Mobility Plan, Transit Master Plan, Long Range Transportation Plan, and Congestion Management Plan, are incorporated in the HSIP planning process where applicable.

Tribal: RIDOT addresses all public roads, including tribal agency roadways. Crashes on locally and tribal owned roadways are included in the network screening process. Any safety improvements necessary based on prioritization are coordinated with these agencies. Tribal agencies are included in the SHSP planning process and are stakeholders on the SHSP steering committee.

Universities: In coordination with the RIDOT Office of Planning, the Office of Safety works with the University of Rhode Island to stay up to date on emerging safety technologies and develop state-specific SPFs.

Describe HSIP program administration practices that have changed since the last reporting period.

RIDOT has added signalized intersections to their systemic system which previously consisted of STEP and horizontal curves. Lane departure crashes along tangent segments is the final sub-program to have a systemic analysis performed to drive safety decisions. This is expected to be finalized in early FY25.

Program Methodology

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

Yes

A revision to the program manual is slated for later CY2024 and early CY2025 with the addition of state-specific SPFs and CMFs and expanded information on systemic programs. This is currently underway and will be provided when final.

Select the programs that are administered under the HSIP.

- Horizontal Curve
- HRRR
- Right Angle Crash
- Roadway Departure
- Safe Corridor
- Wrong Way Driving
- Other-Vulnerable Road Users

Low-cost spot improvements are woven throughout each of the selected programs on top of the systemic improvements implemented.

Program: Horizontal Curve

Date of Program Methodology:8/1/2023

What is the justification for this program?

2024 Rhode Island Highway Safety Improvement Program

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

What is the funding approach for this program?

Funding set-aside

What data types were used in the program methodology?

Crashes

- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume
- Lane miles

Roadway

- Horizontal curvature
- Functional classification
- Roadside features

What project identification methodology was used for this program?

- Probability of specific crash types

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?

- selection committee

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

Other-Systemic Risk Score:75

Other-Number of K & A:25

Program: HRRR

Date of Program Methodology:8/1/2023

What is the justification for this program?

- Addresses SHSP priority or emphasis area
- FHWA focused approach to safety
- Other-HRRR Special Rule

What is the funding approach for this program?

Funding set-aside

What data types were used in the program methodology?

Crashes

- Other-K,A,B injury crashes

Exposure

- Traffic
- Volume

Roadway

- Horizontal curvature
- Functional classification
- Roadside features

What project identification methodology was used for this program?

- 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?

- selection committee

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:40

Available funding:20

Other-Systemic Risk Score:40

Total Relative Weight:100

Program: Right Angle Crash

Date of Program Methodology:8/1/2023

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?

2024 Rhode Island Highway Safety Improvement Program

Funding set-aside

What data types were used in the program methodology?

Crashes	Exposure	Roadway
<ul style="list-style-type: none">Fatal and serious injury crashes only	<ul style="list-style-type: none">VolumeLane miles	

What project identification methodology was used for this program?

- Crash frequency
- Probability of specific crash types

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?

- selection committee

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:15

Other-Reduction in fatalities and injuries:15

Other-Systemic Risk Score:70

Total Relative Weight:100

Program: Roadway Departure

Date of Program Methodology:8/1/2023

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?

Funding set-aside

What data types were used in the program methodology?

Crashes	Exposure	Roadway
<ul style="list-style-type: none">• All crashes• Fatal and serious injury crashes only	<ul style="list-style-type: none">• Volume	<ul style="list-style-type: none">• Median width• Horizontal curvature• Functional classification• Roadside features• Other-Roadway width• Other-Clear Zone

What project identification methodology was used for this program?

- Excess expected crash frequency with the EB adjustment
- Other-Crash frequency - Fatal and serious crashes only
- Other-Facility risk factors/similar geometric types
- Relative severity index

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?

- selection committee

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:15

Other-Reduction in fatalities and injuries:15

Other-Systemic Risk Score:70

Total Relative Weight:100

Program: Safe Corridor

Date of Program Methodology:8/1/2023

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?

Funding set-aside

What data types were used in the program methodology?

Crashes

- All crashes
- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume
- Other-Transit

Roadway

- Functional classification
- Roadside features
- Other-# Of Lanes

What project identification methodology was used for this program?

- Other-Crash frequency - fatal and serious injury crashes only
- Other-Facility risk factors/similar geometric types
- Relative severity index

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?

- selection committee

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:15

Other-Reduction in fatalities and serious injuries:15

Other-Systemic Risk Score:70

Total Relative Weight:100

Program: Wrong Way Driving

Date of Program Methodology:5/1/2015

What is the justification for this program?

- Addresses SHSP priority or emphasis area

What is the funding approach for this program?

Funding set-aside

What data types were used in the program methodology?

Crashes

Exposure

Roadway

- Other-Wrong way driving incidents

What project identification methodology was used for this program?

- Other-Wrong way driving incidents potential freeway entry points

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-Dedicated projects in TIP

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

Other-Systemic Risk Score:100

Total Relative Weight:100

Program: Other-Vulnerable Road Users

Date of Program Methodology:8/1/2023

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?

Funding set-aside

What data types were used in the program methodology?

2024 Rhode Island Highway Safety Improvement Program

Crashes

- All crashes
- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume

Roadway

- Functional classification
- Other-Roadway width

What project identification methodology was used for this program?

- Crash frequency
- Other-Facility risk/similar type geometrics

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?

- Other-Dedicated projects in TIP
- Other-Indefinite delivery/indefinite quantity program

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

Other-Systemic Risk Score:100

Total Relative Weight:100

The City of Providence has established a North Main Street Task Force to address the increased crashes along North Main Street between Olney Street and the Pawtucket City Line. The RIDOT Office of Safety is a member of this task force and is working with them to develop and implement solutions.

What percentage of HSIP funds address systemic improvements?

75

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

- Add/Upgrade/Modify/Remove Traffic Signal
- Clear Zone Improvements
- High friction surface treatment
- Horizontal curve signs
- Install/Improve Pavement Marking and/or Delineation

2024 Rhode Island Highway Safety Improvement Program

- Install/Improve Signing
- Pavement/Shoulder Widening
- Upgrade Guard Rails

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
- Stakeholder input
- Other-Crash Modification Clearinghouse
- Other-NCHRP Report 500 Series

Does the State HSIP consider connected vehicles and ITS technologies?

Yes

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

RIDOT has created a working Connected/Autonomous Vehicle (CAV) group made up of various departments with RIDOT including the Office of Safety. RIDOT is exploring CAV and its impact to safety.

Safety data is being reviewed by the Office of Safety and is discussed as part of the upcoming newly developed SHSP CAV Emphasis Area as part of RIDOT's SHSP 5 year update.

RIDOT has placeholders in the TIP for CAV projects related to safety.

All new traffic signals are CAV (V2I) ready from the manufacturer.

RIDOT has implemented an over-height detection system for bridge strikes which incorporates CAV and it was installed in FY23 with plans to expand the system use to other bridges in upcoming years.

RIDOT is exploring pilot programs to incorporate CAV such as automatic horizontal curve detection system and Wrong Way Driving.

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.

RIDOT refers to the HSM methodologies on all aspects of safety where possible, including in the network screening, diagnosis, countermeasure selection, prioritization, and safety effectiveness evaluation categories. Please see attached HSIP Program Manual for more information (please note that this is currently being updated). RIDOT also utilizes other methodologies such as crash rates and systemic risk-based approaches when the HSM cannot be referenced.

RIDOT has developed two state specific CMFs (Road Diets, and Horizontal Curves). RIDOT is currently working on developing a state specific CMF for High Friction Surface Treatment which is anticipated to be finalized in early FY25.

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

RIDOT encourages using the predictive method to use a more sound, data-driven approach to allocating resources that results in fewer fatalities and serious injuries on the nation's roadways. The predictive method (Excess expected crash frequency using SPFs, EB adjustment,) combines crash, roadway inventory, and traffic volume data to provide more reliable estimates of an existing or proposed roadway's expected safety performance, such as crash frequency and severity. To achieve this goal, RIDOT undertook a large data collection effort to obtain all of the Model Inventory of Roadway Data Elements (MIRE) on all roadways in RI, which included roadway, traffic, and other data needed to assist the RIDOT to make the most efficient decisions as to where to allocate safety funds and resources. The RIDOT is also working on developing a data maintenance effort to ensure all data collected is updated on a timely basis. RIDOT has begun using the predictive method for some rural segments and will continue to expand in the coming years. RIDOT has also used this data to expand their systemic programs using risk based analysis.

RIDOT has also advanced a systemic, risk based analysis for horizontal curves and is currently collecting data to advance signalized intersection and roadway departure systemic programs in FY24-25.

RIDOT is expanding its systemic program in the next few years, including creating a detailed risk based analysis and process. RIDOT has automated this process by developing a tool that resided on a GIS platform for 2 programs (horizontal curves and STEP). The network screening portion of the tool automates the site-specific and systemic identification process which is currently performed manually. For site-specific analysis, the tool will use state-specific SPF equations for all facility types, addressing the predictive analysis requirements. The tool will provide a list of locations ranked by Excess Expected Crash Frequency (Expected Crashes – Predicted Crashes). The systemic analysis will allow the user to identify potential trends (geometry, traffic volumes) that have a higher occurrence of fatal and serious injury crashes in RI using the crash and MIRE data incorporated into the tool. Once the potential trends (aka risk factors) are identified, the tool will identify locations that have similar trends which could lead to fatal or serious injury crashes. The user can assign a weighted "point" system for each trend to help prioritize locations based on severity or number of trends at a given site. This allows the tool to provide the user with a "ranked" list of risk-based locations

RIDOT also has its own HSIP Program Manual. The purpose of this document is to describe RIDOT's processes for planning, implementing, and evaluating HSIP funded improvements and to describe its relationship to other safety initiatives found in Rhode Island's SHSP. This document not only helps Rhode

Island to demonstrate their own successes, but also serves as a mechanism for other states to achieve improved highway safety.

Project Implementation

Funds Programmed

Reporting period for HSIP funding.

Federal 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)	\$17,545,005	\$17,545,055	100%
HRRR Special Rule (23 U.S.C. 148(g)(1))	\$0	\$0	0%
VRU Safety Special Rule (23 U.S.C. 148(g)(3))	\$0	\$0	0%
Penalty Funds (23 U.S.C. 154)	\$0	\$0	0%
Penalty Funds (23 U.S.C. 164)	\$3,167,933	\$3,167,933	100%
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	\$20,712,938	\$20,712,988	100%

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

\$1,000,000

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

\$1,000,000

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

\$1,500,000

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

\$1,500,000

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.

Project Delivery

Before FY23, RIDOT had two methods for project delivery: state maintenance forces and project management. In FY23, RIDOT developed and put out two ID/IQ contracts to help streamline lower cost improvements which can drive down fatalities and serious injuries quicker and show action taken to safety stakeholders. RIDOT continued the implementation of safety improvements through ID/IQ in FY24 and has already programmed locations into FY25.

Previously, by only implementing through construction projects, RIDOT safety partners were frustrated by waiting 3-4 years for safety improvement implementation. RIDOT prioritizes implementing improvements through state maintenance forces, ID/IQ, and bundling improvements in existing construction projects, where feasible, to minimize delays for low cost and potential immediate benefit improvements.

State maintenance forces are used to install basic signing and striping. This enables RIDOT to advance low-cost safety improvements for horizontal curves, pedestrian crossings, and intersections within several months of study. The ID/IQ contracts are funded by HSIP and enable RIDOT to reduce project soft costs and accelerate project delivery for more robust lower cost improvements. The two contracts currently available are for signals (pedestrian signals, RRFBs, wheelchair ramps, etc.) and general safety (signing, striping, guardrail, high friction, wheelchair ramps, etc.). The Office of Safety will select and prioritize the locations for ID/IQ, and RIDOT Project Management will administer the ID/IQ packages with the assistance of the Office of Safety with the goal to turn projects around within approximately one year from study. RIDOT has successfully awarded the FY23 and FY24 ID/IQ locations. The FY23 contracts are nearing completion in construction and from beginning of design to completion, it has been approximately 1.5 years which is much quicker than using traditional project administration techniques.

Any improvements that require permitting, right-of-way easements, etc. require projects to be programmed in a construction project administered by RIDOT's Project Management section. The construction project improvements include new traffic signals, roadway widening, and roundabouts.

Stakeholder Outreach

Engage safety stakeholders in a discussion about program needs and potential solutions. Consider talking to Highway Safety Office, the MPO, and local agencies.

RIDOT works internally with transportation planners (Statewide Planning), RIDOT GIS analysts, RIDOT safety engineers, RIDOT Planners, RIDOT and OHS highway safety program coordinators and RIDOT operations staff as part of the entire HSIP process, including the identification of critical locations and the selection of appropriate countermeasures/ improvements. These partners are involved in Road Safety Assessments (RSAs) that were performed at many of these locations to facilitate this multi-discipline approach. RIDOT also houses the Office of Highway Safety where the HSIP, HSP, and SHSP are all developed in a coordinated effort focused on developing consistent safety goals. Safety initiatives are now implemented in a more integrated and multi-disciplinary manner, providing RIDOT with more flexibility to direct resources to address particular

2024 Rhode Island Highway Safety Improvement Program

safety needs. As part of the FAST Act, the RIDOT and OHS along with RI's Office of Performance Management coordinated the development of performance measurement and targets. RIDOT has issues maintaining local support for safety projects. Often, over the project development period, local leadership changes and can undermine the final delivery of the project. As previously discussed, with the implementing of the ID/IQ contracts, RIDOT expects a turnaround time within one year from study. This will avoid most of the conflict of local leadership turnover.

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 OR SPEED RANGE	OWNERSHIP	METHOD FOR SITE SELECTION	SHSP EMPHASIS AREA	SHSP STRATEGY
Statewide Highway Safety Improvement Program - HSIP - Intersection & Crosswalks Central, South - 2022	Pedestrians and bicyclists	Pedestrians and bicyclists – other	13	Locations	\$277391	\$277391	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0	0	State Highway Agency	Spot	Pedestrians	STEP
State Traffic Commission Improvements - I-295 Southbound at Bald Hill Road, Warwick	Advanced technology and ITS	Wrong-way Driving Detection System	1	Ramps	\$30000		HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	26,770	30	State Highway Agency	Spot	Wrong Way Driving	Wrong Way Driving
HSIP Roadway Departure 2024 - Contract - 1	Roadway	Roadway widening - travel lanes	9	Miles	\$10864504	\$12000000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	64,890	55	State Highway Agency	Spot	Roadway Departure	Lane Departure
Intersection and Crosswalk Improvements East Bay - 2021	Pedestrians and bicyclists	Rapid Rectangular Flashing Beacons (RRFB)	7	Locations	\$301746	\$301746	HSIP (23 U.S.C. 148)	Urban	Multiple/Varies	25,000	35	State Highway Agency	Spot	Pedestrians	STEP
On-Call Highway Safety Improvement Program and Strategic Highway Safety Plan Consultant Services	Miscellaneous	Transportation safety planning	1	Consultant/Contractor	\$1000000	\$1000000	Penalty Funds (23 U.S.C. 164)	N/A	N/A	0	0	N/A	N/A	Data	Data
2022 Statewide Crosswalk and Intersection Improvements - HSIP, East & South	Pedestrians and bicyclists	Pedestrians and bicyclists – other	5	Locations	\$600000	\$600000	Penalty Funds (23 U.S.C. 164)	Urban	Multiple/Varies	0	0	State Highway Agency	Systemic	Pedestrians	STEP
Broad Street Regeneration	Pedestrians and bicyclists	Pedestrians and bicyclists – other	3	Miles	\$153879	\$153879	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other	11,750	25	State Highway Agency	Systemic	Pedestrians	STEP
IDIQ/On Call Contractor Traffic Safety Improvements C-3, East Bay/South	Pedestrians and bicyclists	Rapid Rectangular Flashing Beacons (RRFB)	8	Locations	\$900000	\$900000	Penalty Funds (23 U.S.C. 164)	Multiple/Varies	Multiple/Varies	0	0	State Highway Agency	Systemic	Pedestrians	STEP
IDIQ/On Call Contractor Traffic Safety Improvements - C-2, North/Central	Roadway	Pavement surface – high friction surface	10	Locations	\$909950	\$909950	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0	0	State Highway Agency	Systemic	Roadway Departure	Lane Departure
IDIQ/On Call Contractor Traffic Safety Improvements - C-4, High Friction/Gurdrail Crosswalks	Pedestrians and bicyclists	Rapid Rectangular Flashing Beacons (RRFB)	10	Locations	\$943215	\$943215	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0	0	State Highway Agency	Systemic	Pedestrians	STEP
IDIQ/On Call Contractor Traffic Safety Improvements - C-5, Signage/Striping/Crosswalks	Pedestrians and bicyclists	Rapid Rectangular Flashing Beacons (RRFB)	8	Locations	\$600000	\$600000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0	0	State Highway Agency	Systemic	Pedestrians	STEP

2024 Rhode Island 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 OR SPEED RANGE	OWNERSHIP	METHOD FOR SITE SELECTION	SHSP EMPHASIS AREA	SHSP STRATEGY
IDIQ/On Call Contractor Traffic Safety Improvements - C-6, Washington Bridge	Roadside	Barrier - other	1	Locations	\$401600	\$401600	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0	0	State Highway Agency	Spot	Roadway Departure	Lane Departure
2024 Intersection & Crosswalks	Intersection traffic control	Modify control – Compact/Mini-roundabout	3	Intersections	\$2300317	\$4900000	HSIP (23 U.S.C. 148)	Urban	Multiple/Varies	0	0	State Highway Agency	Spot	Intersections	Angle, STEP
Statewide Guardrail Repair & Replacement 2023-2025 Contract	Roadside	Barrier - other			\$1268755	\$1268755	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Roadway Departure	Lane Departure
Pavement Improvements - Barrington, East Providence, & Warren	Pedestrians and bicyclists	Pedestrians and bicyclists – other	10	Locations	\$2379683	\$13300000	HSIP (23 U.S.C. 148)	Multiple/Varies	Multiple/Varies	0		State Highway Agency	Spot	Pedestrians	STEP
Traffic Design Task Order Program	Miscellaneous	Transportation safety planning	1	Consultant/Contractor	\$395370	\$395370	Penalty Funds (23 U.S.C. 164)	N/A	N/A	0				Data	Data
Highway Safety Improvements to Hartford Avenue (Rte 6), Johnston, Reservoir Aveune to the I-295 Interchange	Roadside	Barrier- metal	1	Miles	\$519091	\$519091	Penalty Funds (23 U.S.C. 164)	Rural	Principal Arterial- Other	25,000	40	State Highway Agency	Systemic	Roadway Departure	Lane Departure

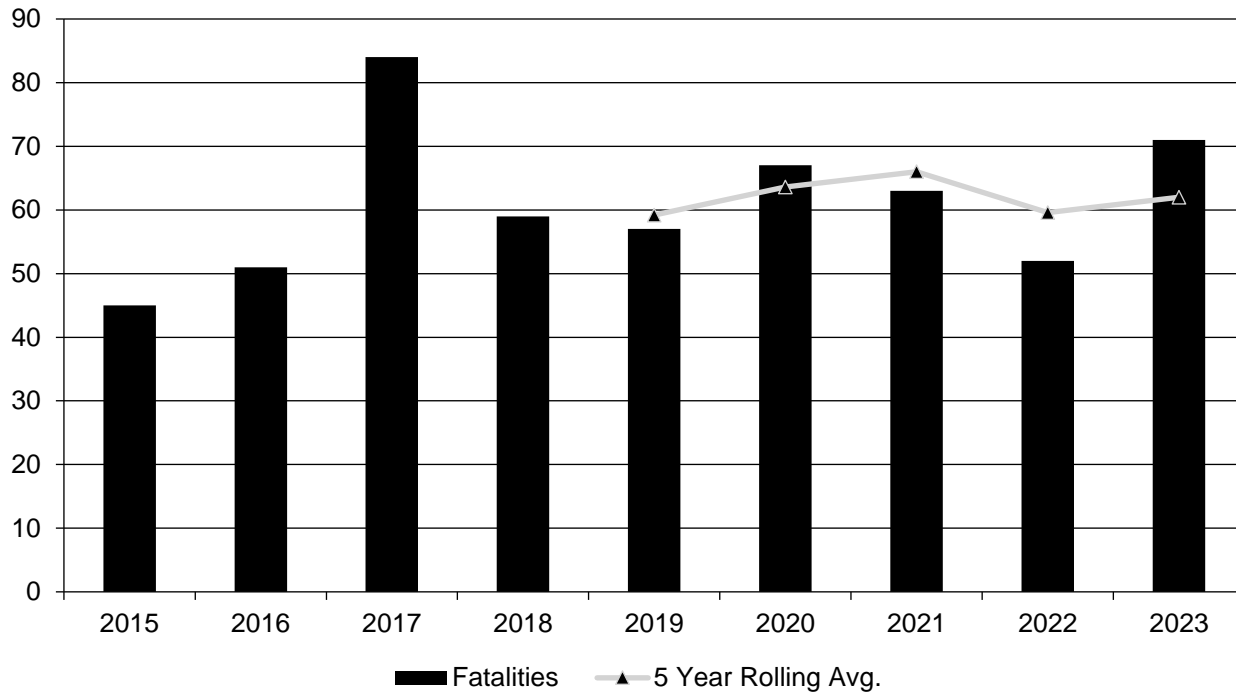
Safety Performance

General Highway Safety Trends

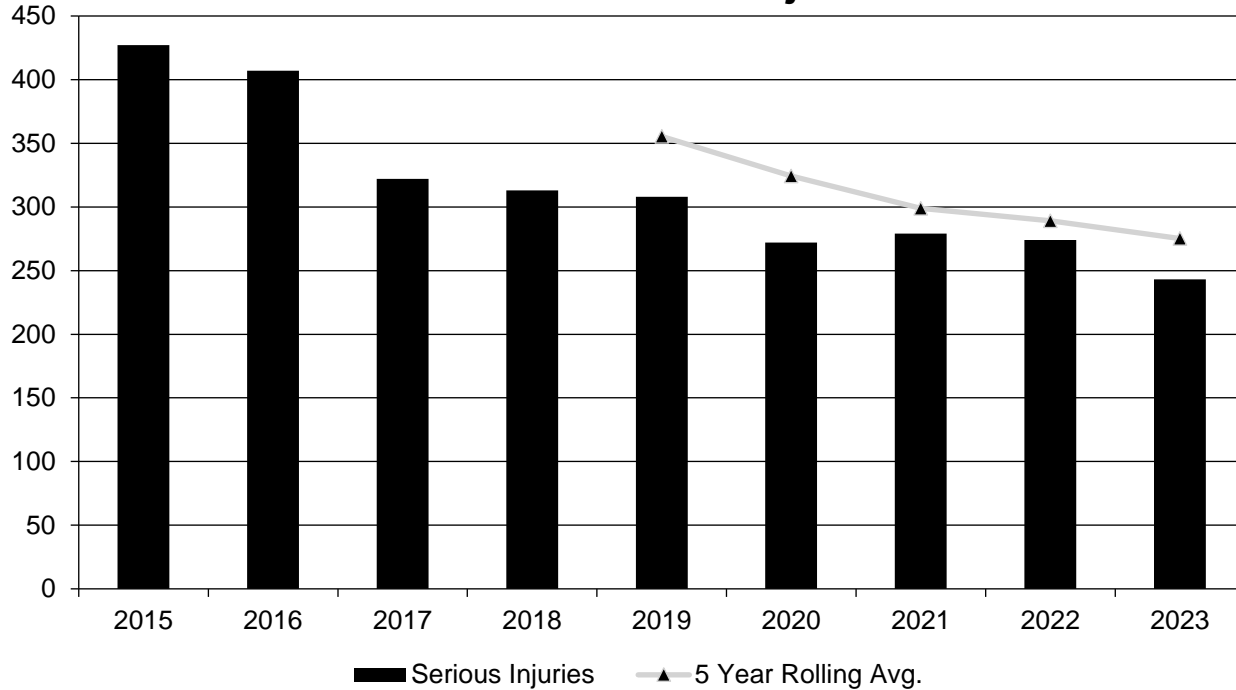
Present data showing the general highway safety trends in the State for the past five years.

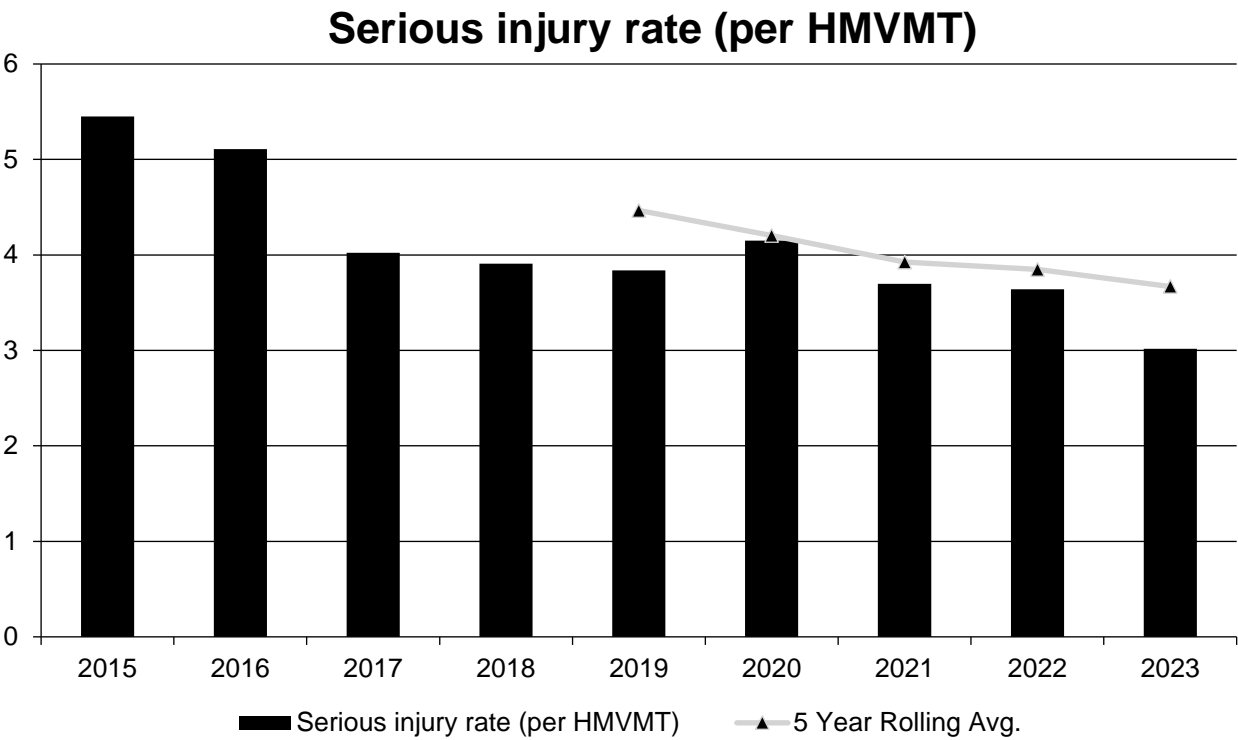
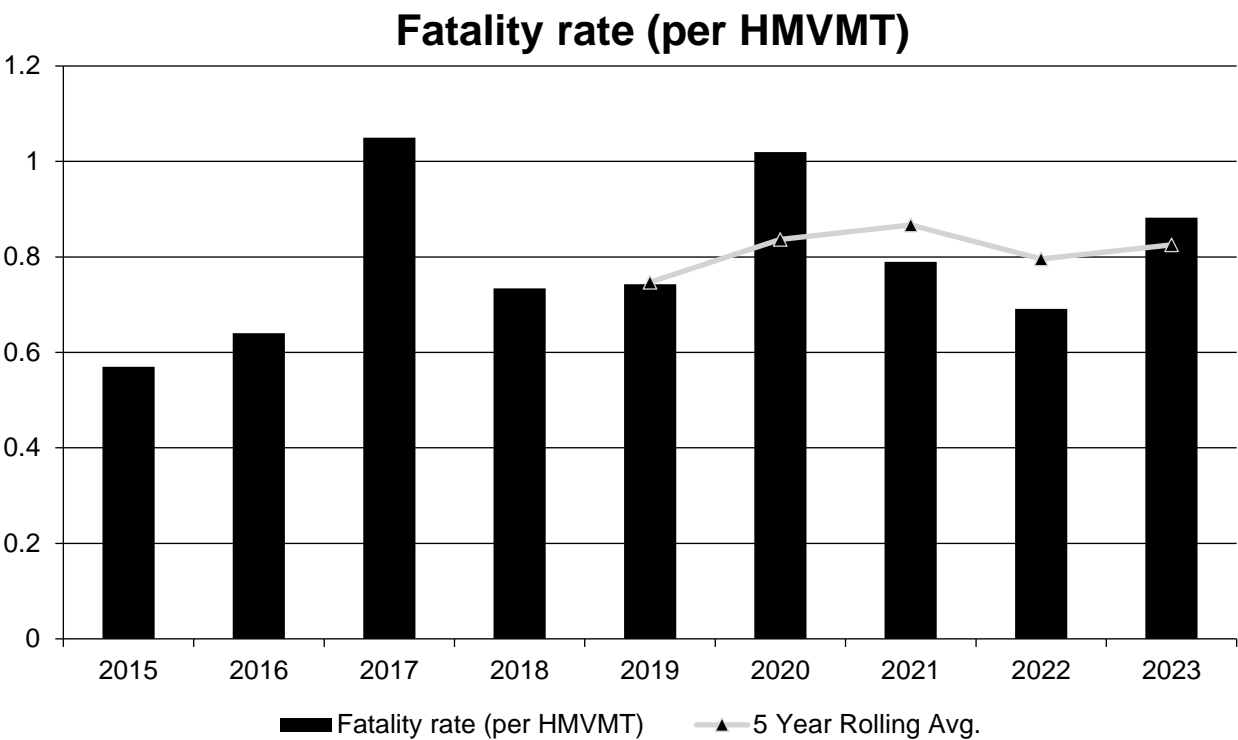
PERFORMANCE MEASURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fatalities	45	51	84	59	57	67	63	52	71
Serious Injuries	427	407	322	313	308	272	279	274	243
Fatality rate (per HMVMT)	0.570	0.640	1.050	0.734	0.743	1.020	0.790	0.691	0.882
Serious injury rate (per HMVMT)	5.451	5.108	4.024	3.908	3.837	4.150	3.699	3.641	3.017
Number non-motorized fatalities	8	16	23	9	8	19	9	7	14
Number of non-motorized serious injuries	80	57	74	52	63	64	59	53	34

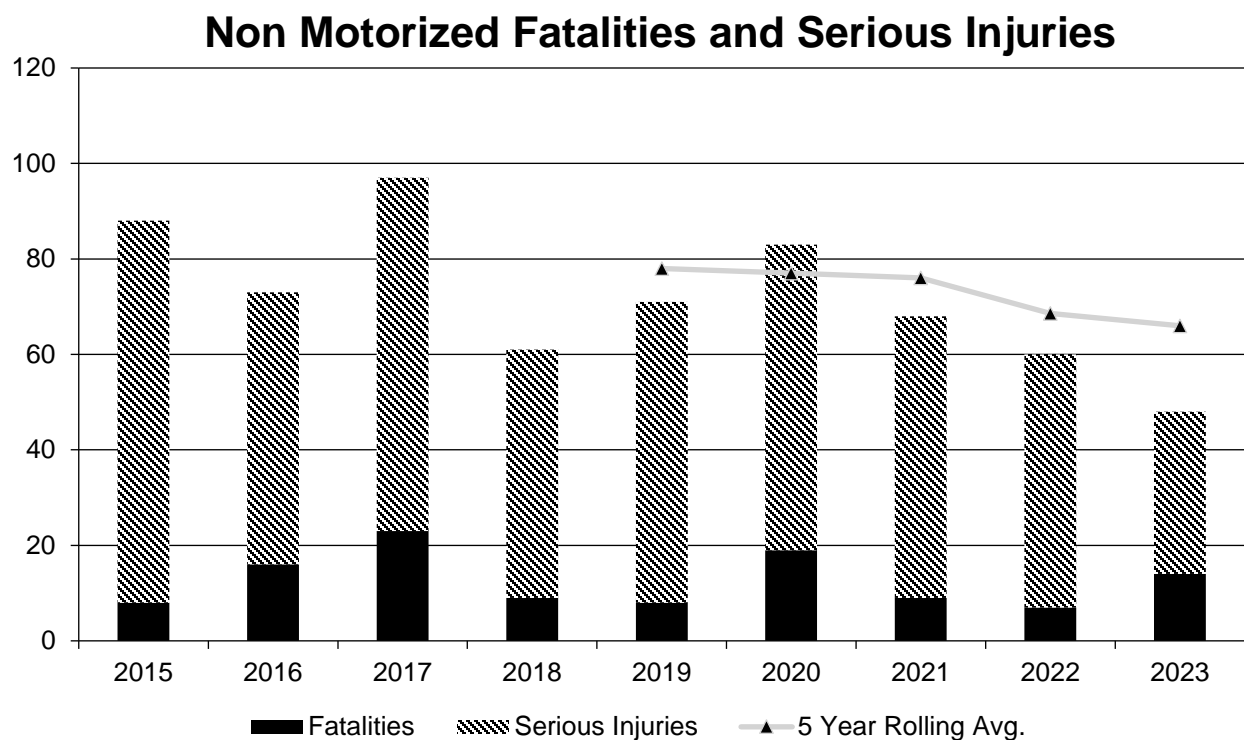
Annual Fatalities



Annual Serious Injuries







Describe fatality data source.

FARS

2024 Rhode Island Highway Safety Improvement Program

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

Year 2023

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		2.4	0.67	0.79
Rural Principal Arterial (RPA) - Other Freeways and Expressways		2	2.19	3.51
Rural Principal Arterial (RPA) - Other	3.6	6	1.5	2.53
Rural Minor Arterial	1.6	5.4	1.4	4.88
Rural Minor Collector			0.28	12.71
Rural Major Collector	2	8.6	4.05	16.14
Rural Local Road or Street		5.6	6.66	26.22
Urban Principal Arterial (UPA) - Interstate	7.8	15.4	0.42	0.82
Urban Principal Arterial (UPA) - Other Freeways and Expressways	4.2	14.2	0.37	1.32
Urban Principal Arterial (UPA) - Other	16.2	69.6	0.88	3.79
Urban Minor Arterial	9.8	57.6	0.95	5.6
Urban Minor Collector			2.29	46.46
Urban Major Collector	6.2	43.4	1.05	7.36
Urban Local Road or Street	3.6	38.6	0.93	10.1

2024 Rhode Island Highway Safety Improvement Program

Year 2023

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		27.6	0.67	0.66
County Highway Agency		1.8	1.83	3.15
Town or Township Highway Agency	5	12	1.33	1.85
City or Municipal Highway Agency	6	19	1.22	3.97
State Park, Forest, or Reservation Agency			0.28	12.44
Local Park, Forest or Reservation Agency	1.4	7.2	1.66	10.57
Other State Agency		4.8	5.75	22.6
Other Local Agency	6.6	13	0.35	0.7
Private (Other than Railroad)	3.2	12.2	0.29	1.1
Railroad	11.8	54	0.65	2.97
State Toll Authority	6.4	49	0.62	4.78
Local Toll Authority			2.29	45.29
Other Public Instrumentality (e.g. Airport, School, University)	5	38.2	0.82	6.5
Indian Tribe Nation	2.4	30.6	0.63	8.05

Safety Performance Targets

Safety Performance Targets

Calendar Year 2025 Targets *

Number of Fatalities:58.6

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

Although RIDOT saw a steep increase in fatalities in 2023, all targets were met for the assessment against target and baseline. In 2024, RIDOT has projected the annual fatal and serious injuries for the remainder of the year. Based on the extrapolated data based on historic values, RIDOT is expected to meet their targets.

Attached is the FFY 2025 Safety Performance Measure Target Setting Memo.

Number of Serious Injuries:265.0

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

Rhode Island has continued to see a decline in serious injuries and has set a target of continuing this decline.

Fatality Rate:0.736

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

This fatality rate assumes constant VMT and the fatalities required to meet the 2024 target. This combination reduces the fatality rate as a result of planned safety projects.

Serious Injury Rate:3.327

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

Rhode Island has continued to see a decline in serious injuries and has set a target of continuing this decline. This decline will also produce a reduction in the rate of serious injuries.

Total Number of Non-Motorized Fatalities and Serious Injuries:63.0

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

Rhode Island experienced notable fluctuations in non-motorist fatalities and serious injuries. However, recent years have pointed towards small, steady reductions in these injuries.

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

RIDOT Safety, Office of Highway Safety, Office of Performance Management, FHWA, and Statewide Planning are all involved in the target setting process. Other safety stakeholders, such as AAA, Growth Smart RI, etc., are also involved to some extent. See attached memo that details the 2025 target setting process.

Does the State want to report additional optional targets?

No

Describe progress toward meeting the State's 2023 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	63.0	62.0
Number of Serious Injuries	301.0	275.2
Fatality Rate	0.830	0.825
Serious Injury Rate	3.944	3.669
Non-Motorized Fatalities and Serious Injuries	72.0	66.0

The preliminary totals for Rhode Island's 2023 safety performance measures are 71 fatalities, 243 serious injuries, and 47 non-motorized fatalities and serious injuries. According to FHWA Highway Performance Monitoring System (HPMS) monthly reports, the total VMT for 2023 results in rates of 0.88 fatalities and 3.02 serious injuries per hundred million VMT.

Based on this info, Rhode Island will meet 5 of 5 of the State's 5 safety performance targets. Rhode Island does not anticipate any transfers from HSIP.

Applicability of Special Rules

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

No

Does the VRU Safety 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	2017	2018	2019	2020	2021	2022	2023
Number of Older Driver and Pedestrian Fatalities	16	12	8	10	8	8	22
Number of Older Driver and Pedestrian Serious Injuries	50	40	45	46	35	39	30

Evaluation

Program Effectiveness

How does the State measure effectiveness of the HSIP?

- Change in fatalities and serious injuries
- Lives saved

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

As shown in the Progress in Achieving Safety Performance Targets section, RIDOT has seen a continuous reduction, over a 5-year average, in serious injuries.

RIDOT tracks crash reductions for all of their HSIP projects. RIDOT uses this data to make changes to a specific improvement if desired results are not achieved.

We have seen reductions in the systemic programs such as Pedestrians, Road Diets, Horizontal Curves, and Wrong Way Driving. We have also seen direct benefits in spot projects for roadway departure and intersections. We continue to tackle the systemic programs with the goal of 100% statewide.

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

- # miles improved by HSIP
- # RSAs completed
- HSIP Obligations
- More systemic programs

HSIP obligations have increased over the past 10 years and RIDOT is projected to obligate 100% of the HSIP funds in the STIP (10-year plan).

RSAs are a driver for safety improvements and RIDOT has a streamlined process in place to conduct RSAs and implement the findings in with maintenance forces, ID/IQ contract, or bundle with capital projects.

RIDOT has expanded its HSIP to have 4 systemic sub-programs: STEP, Horizontal Curves, Signalized Intersections, and Lane Departure: Tangent Sections. RIDOT is developing an Unsignalized Intersection systemic analysis in FY24-25.

We feel that the shift to primarily all systemic projects will help reduce fatal and serious injury related crashes proactively statewide.

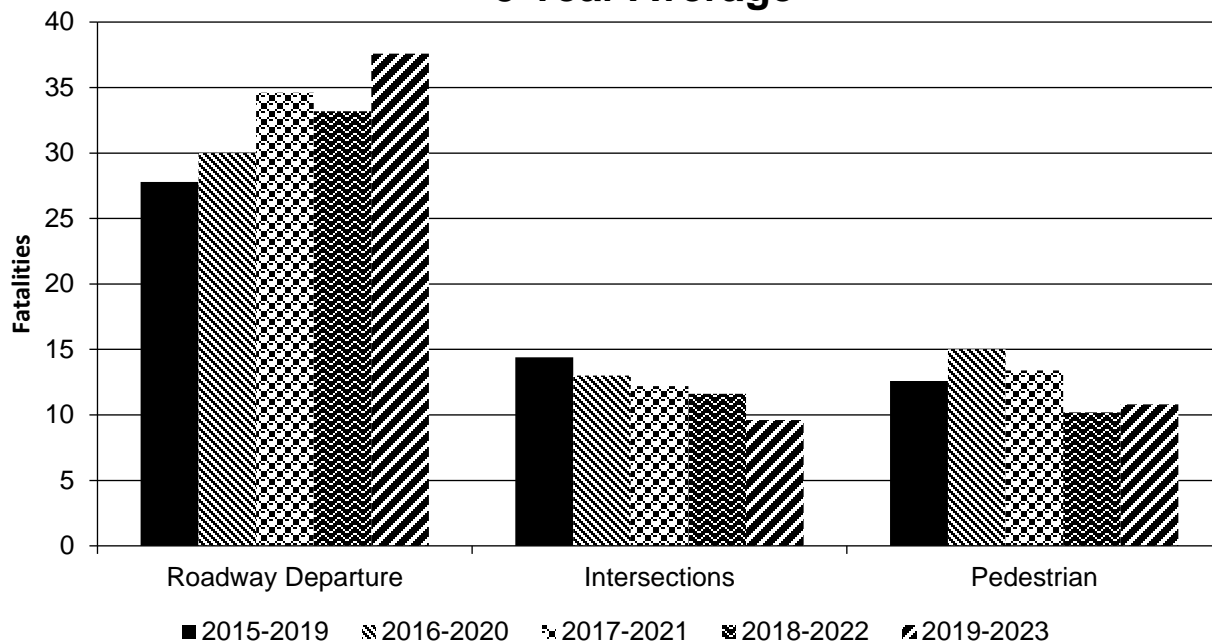
Effectiveness of Groupings or Similar Types of Improvements

Present and describe trends in SHSP emphasis area performance measures.

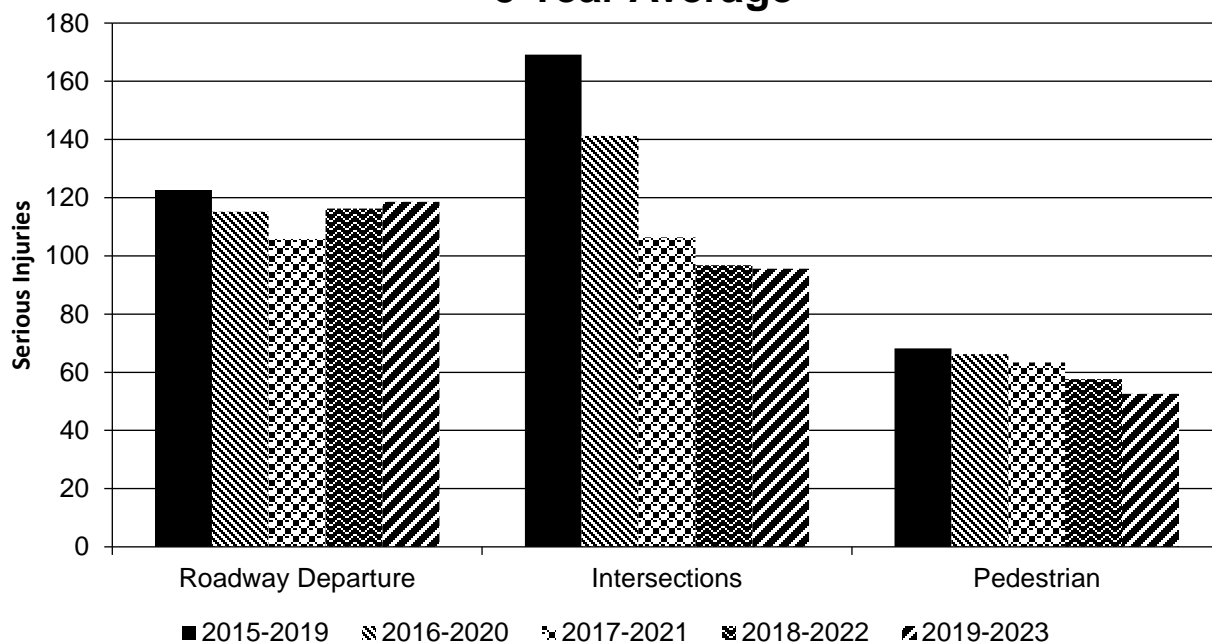
Year 2023

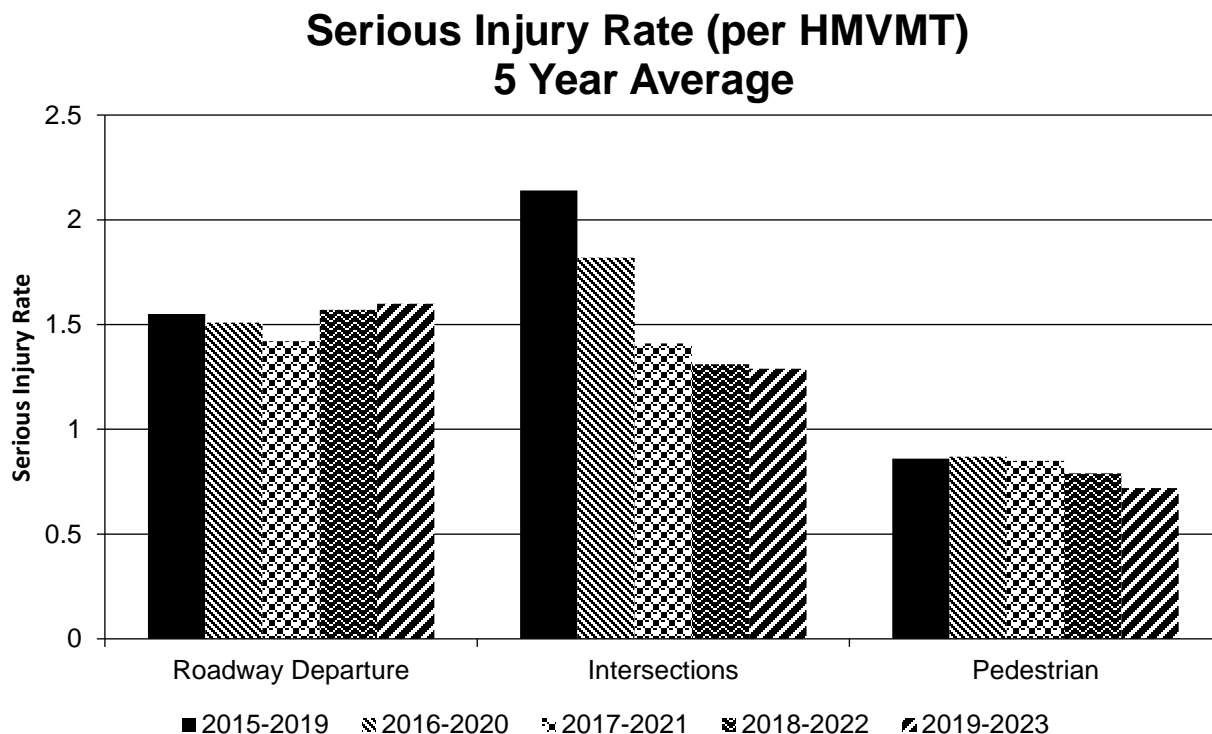
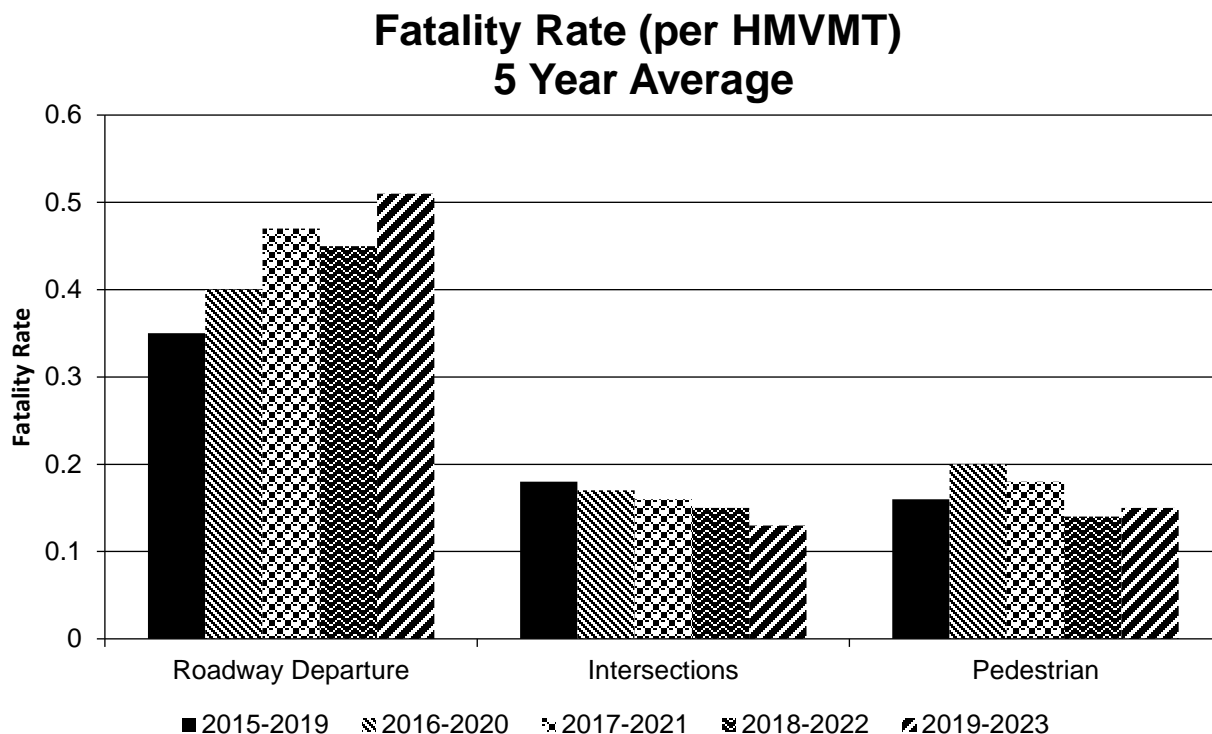
SHSP Emphasis Area	Targeted Crash Type	Number of Fatalities (5-yr avg)	Number of Serious Injuries (5-yr avg)	Fatality Rate (per HMVMT) (5-yr avg)	Serious Injury Rate (per HMVMT) (5-yr avg)
Roadway Departure		37.6	118.6	0.51	1.6
Intersections		9.6	95.6	0.13	1.29
Pedestrian		10.8	52.6	0.15	0.72

Number of Fatalities 5 Year Average



Number of Serious Injuries 5 Year Average





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

Yes

Please provide the following summary information for each countermeasure effectiveness evaluation.

CounterMeasures: Road Diet
Description:
Target Crash Type: All
Number of Installations: 17
Number of Installations: 17
Miles Treated:
Years Before: 5
Years After: 5
Methodology: Regression cross-section
Results: 29% reduction in all crash severities; 37% reduction in fatal and injury crashes

File Name: Final Road Diet CMF Report.pdf

CounterMeasures: High Friction Surface Treatments
Description:
Target Crash Type: Wet road
Number of Installations: 15
Number of Installations: 15
Miles Treated:
Years Before:
Years After:
Methodology: Before/after using empirical Bayes or Full Bayes
30% reduction in all crashes
Results: 33% reduction in fatal and injury crashes
73% reduction in wet pavement crashes of all severities

File Name: RIDOT HFST CMF Evaluation_Exec Summary.pdf

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)
Statewide	Urban Principal Arterial (UPA) - Interstate	Advanced technology and ITS	Wrong-way Driving Detection System	16.00		3.00		6.00	4.00		11.00	25.00	15.00	5.0

Compliance Assessment

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

08/04/2022

What are the years being covered by the current SHSP?

From: 2022 To: 2027

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

2027

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					100	100	100	100
	Route Number (8) [8]	100	100								
	Route/Street Name (9) [9]	100	65								
	Federal Aid/Route Type (21) [21]	45	10								
	Rural/Urban Designation (20) [20]	100	100					100	100		
	Surface Type (23) [24]	100	100					100	100		
	Begin Point Segment Descriptor (10) [10]	100	100					100	100	100	100
	End Point Segment Descriptor (11) [11]	100	100					100	100	100	100
	Segment Length (13) [13]	100	100								
	Direction of Inventory (18) [18]	100	100								
	Functional Class (19) [19]	100	100					100	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]	100	100								
	Access Control (22) [23]	85	44								
	One/Two Way Operations (91) [93]	100	100								
	Number of Through Lanes (31) [32]	100	91					100	100		
	Average Annual Daily Traffic (79) [81]										
	AADT Year (80) [82]										
	Type of Governmental Ownership (4) [4]	100	100					100	100	100	100
INTERSECTION	Unique Junction Identifier (120) [110]			100							
	Location Identifier for Road 1 Crossing Point (122) [112]			100							
	Location Identifier for Road 2 Crossing Point (123) [113]			100							
	Intersection/Junction Geometry (126) [116]			90							
	Intersection/Junction Traffic Control (131) [131]			90							
	AADT for Each Intersecting Road (79) [81]			25							
	AADT Year (80) [82]			50							
	Unique Approach Identifier (139) [129]			100							
INTERCHANGE/RAMP	Unique Interchange Identifier (178) [168]					100					
	Location Identifier for Roadway at					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
	Beginning of Ramp Terminal (197) [187]										
	Location Identifier for Roadway at Ending Ramp Terminal (201) [191]					100					
	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]					100					
	Ramp AADT (191) [181]										
	Year of Ramp AADT (192) [182]										
	Functional Class (19) [19]					100	100				
	Type of Governmental Ownership (4) [4]					100	100				
Totals (Average Percent Complete):		85.00	78.33	81.88	0.00	81.82	18.18	88.89	88.89	100.00	100.00

*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.

RIDOT is applying for various grants to complete the collection by 2026. RIDOT collected most of the data in 2016 as part of the MIRE data collection effort, however local data for some elements were not collected as part of this effort due to funding. Also, traffic data is being collected under a standalone effort.

Optional Attachments

Program Structure:

HSIP Manual_May8_FINAL.pdf

Project Implementation:

Safety Performance:

Targets_2025_final.pdf

Evaluation:

Final Road Diet CMF Report.pdf

RIDOT HFST CMF Evaluation_Exec Summary.pdf

Compliance Assessment:

8-4-2022 LTR RI SHSP Process Approval Letter to Dir. Alviti.pdf

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.