



OHIO

# HIGHWAY SAFETY IMPROVEMENT PROGRAM

## 2024 ANNUAL REPORT



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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. 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

Traffic deaths and crashes across Ohio have been rising as the statewide economy continues to improve. In 2023, Ohio had 1,242 traffic deaths and 7,492 serious injuries, representing a 2.5% decrease in fatalities and a 1% decrease in serious injuries compared to 2022.

Ohio's safest year in history was 2013 when the state dropped below 1,000 traffic deaths for the first time since it began collecting records in 1935. However, traffic deaths saw an 8% increase in 2019, 6.4% in 2020, 10.4% in 2021, decreased 5.9% in 2022, and 2.5% in 2023. Although the top common factors in these crashes have long been roadway departure, speed, alcohol, drugs, seatbelts and young drivers, over the past five years the state has seen a rise in the number of deaths involving pedestrians, older and distracted drivers.

To respond to these trends, Ohio's Strategic Highway Safety Plan Steering Committee has moved from quarterly to bi-monthly meetings, and now communicates via email on a monthly basis to share crash trend information and discuss strategies and investments. The committee includes members from 15 key safety organizations operating at the local, state and federal level including: Ohio County Engineers Association (CEAO); Ohio Association of Regional Councils (OARC); Ohio Department of Public Safety (ODPS); Federal Highway Administration; Ohio State Highway Patrol; Federal Motor Carrier Safety Administration; and the American Automobile Association (AAA). **These organizations then feed the information to a network of hundreds of other stakeholders who are getting more actively involved in the SHSP.**

Below is a summary of the state's enhanced and coordinated efforts to address the increase in crashes statewide.

#### Ohio Launches New Resources to Address Vulnerable Roadway User Needs

##### ODOT Active Transportation Planning Assistance

After publishing an Active Transportation Plan Development Guide in 2020, ODOT began to offer routine consultant assistance with ATP development. In 2024, 6 local governments were awarded assistance including Howland Township, Grove City, City of Clayton, and Pike County.

Through utilizing consultant support, ODOT seeks to assist local governments and regional agencies to develop plans dedicated to the unique needs of vulnerable roadway users and document priority projects that can be used to inform local capital budgets, leverage state funds, or seek discretionary grants through the USDOT. Understanding and meeting the needs of people travelling on foot and bike in communities across Ohio is critical for reducing injury and fatality on our roadways. As a home rule state, it's critical for local governments to have the support, guidance and resources needed to identify projects and implement safer, more connected bicycle and pedestrian networks.

##### Multimodal Design Guide (MDG)

In April of 2022, ODOT published a new, comprehensive guide for the design of bicycle and pedestrian facilities as part of ODOT right-of-way and as part of the Local Let Process.

Communities can apply this guidance to their local and regional transportation networks to create uniformity across the state's multimodal transportation system. The MDG will also be used by ODOT to review local agency designs for federally funded projects. A new bicycle design training based on the MDG is being launched as a new consultant training prequalification in order to be hired by ODOT to work on design projects.

##### Ohio's State & US Bike Route System

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Ohio is establishing a network of State and US and bicycle routes which will provide bicyclists with safe and convenient connections through and to population centers and destinations in Ohio. The system will serve as a backbone that local and regional bike networks can build on and connect to across the state. In 2024, ODOT installed signs for US Bike Routes 25, 30, and 230 to provide wayfinding for riders and increase awareness for bicyclists along these routes. ODOT worked with 80 local governments to install signs.

### Active Transportation Advisory Committee

ODOT's ATAC oversees the implementation of ODOT's strategic plans related to walking and biking (SHSP, Walk.Bike.Ohio). ODOT's ATAC is an ongoing forum to discuss active transportation with internal and external stakeholders, coordinate activities, and inform priorities as ODOT works to implement the strategies outlined in the SHSP and Walk.Bike.Ohio Plan. The ATAC met twice in 2023 to discuss statewide priorities related to data collection, planning, funding opportunities, and micromobility challenges. The ATAC consulted with ODOT on the development of the state's Vulnerable Roadway User Assessment.

### Active Transportation Academy

ODOT continues to develop and deliver training and workshops available through the AT Academy. The goal of this academy is to provide technical assistance to practitioners including planners, engineers, law enforcement, and their partners on bicycle and pedestrian topics. Throughout 2023, 2 complete streets policy development trainings, 1 walk and bike audit, 1 design training, and 1 statewide webinar on quick build projects were hosted which reached over 200 trainees. Trainings are offered at no cost to local partners. During the year, 3 courses were updated including Girls in Gear, a Multimodal Design Guide training, and the Vision Zero workshop.

### Target Speed Pilot Program

In Spring 2024, ODOT launched a Target Speed Pilot Program, using up to \$30M in HSIP funds. This funding will go towards technical assistance to develop concepts for, design, and construct projects along urban arterial corridors with the goal of providing facilities that self-enforce 25 mph travel speeds. The corridors addressed through this program have high bicycle and pedestrian use, high-frequency fixed transit routes, and/or have adjacent land use that would indicate the need for lower travel speeds (residential, commercial, mixed-use).

Concept development will occur throughout Summer 2024. Construction start dates will vary based on project details and complexities, but ODOT has the goal of construction beginning for all projects by the end of summer 2026.

### Older Road User Action Team

Ohio's Older Road User Action Team is in its sixth year of action plan development and implementation. The team is continuing to work on implementation of several critical strategies including: expanding the safe routes to age in place program, promoting the use and installation of roadway improvements that compensate for the impacts of aging on safe driving, increasing the knowledge of medical providers, law enforcement and licensing personnel on the recognition, assessment, and reporting of older at-risk drivers. The team is working hard to engage the Ohio Bureau of Motor Vehicles (BMV) on this issue.

In 2018, the team successfully launched the Stay Fit to Drive statewide education campaign to raise awareness for how aging can affect our ability to drive. The goal is to educate older Ohioans, families, friends and caregivers about the signs of declining safe driving skills — either due to normal aging or a medical condition; resources available to evaluate safe driving skills; and how to plan for retirement from driving. In 2019, ODOT worked with AAA, AARP, Safe Communities and Ohio Occupational Therapists to promote the campaign through CarFit Events around the state. In 2020, the Strategic Highway Safety Plan was developed with new strategies to be implemented over the next 5 years. In 2023, the Ohio Traffic Safety Office provided a

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grant to Central Ohio Area Agency on Aging to create Ohio's first statewide CarFit coordinator position as one of the SHSP initiatives. In 2023 there were 58 CarFit events, 37 have been held or scheduled so far in 2024.

### **Distracted Driving Task Force**

#### **Legislative Strategy – Distracted Driving**

Ohio will continue to leverage opportunities to strengthen the state's traffic safety laws.

In January 2023, Governor Mike DeWine signed a new hands-free law that in most cases prohibits motorists from holding or interacting with electronic devices while driving. It also makes violating the law a primary offense. The law took effect April 4 and officers began writing tickets in October.

To raise awareness for the new law, ODOT and the Ohio Department of Public Safety spent about \$2M last year on a statewide media campaign to educate Ohio drivers about the law and the need to change behavior. Ohio used both NHTSA and HSIP funds to lengthen the reach and effectiveness of this initiative, which we will continue this year.

There is compelling evidence that the new law and our educational outreach are working. Data from Cambridge Mobile Telematics (CMT) shows that one year after the new law passed, Ohio had achieved a sustained 8.6% reduction in handheld cell phone use and screen interaction. CMT estimates the law has helped prevent 3,600 crashes, 2,000 injuries, 17 fatalities, and \$144 million in economic damages.

However, the challenge moving forward will be to sustain and build on that momentum. Studies show that drivers often resume hand-held phone use and screen interaction over time without a sustained, long-term plan for enforcement and public awareness.

To meet the challenge, ODOT and ODPS will spend another \$2M on public education and media messaging this year. In addition, both agencies are working this summer to develop new messages that will target 20 to 34-year-olds, a key demographic most likely to use electronic devices while driving, according to crash and national survey data.

ODOT and ODPS are also working with the National Safety Council this year to develop an employer outreach and recognition program. The program will encourage Ohio businesses and organizations to adopt safety policies and conduct trainings on "Buckle Up, Phones Down" – two driver behaviors that can significantly reduce the likelihood of a serious crash. In May, the three organizations convened a new Ohio Employers Council to help guide these efforts. The council will be instrumental in helping Ohio develop and implement an action plan this year.

#### **Legislative Strategy - Increase Seat Belt Use**

In May 2024, the Governor announced new legislation to make seat belt violations a primary offense in Ohio. Ohio is one of only 15 states in the country with a secondary law.

Ohio's seat belt use rate last year was 85%. States with a primary seat belt law typically see seat belt use rates at 91% or more. Last year, 359 people died and 1,448 were seriously injured, at least in part, because they were not wearing a seat belt. About 30% of all traffic deaths and 20% of all serious injuries each year involve unbelted drivers and passengers. If Ohio can pass a law to encourage more drivers and passengers to wear seat belts, we can save more lives and prevent a significant number of serious injuries across Ohio each year.

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### **HSIP Scoring to Focus on Severity and Equity**

In 2022, ODOT changed the scoring process for selecting projects to focus exclusively on severity. The department has modified the minimum threshold for applications from 10 crashes over three years to three crashes per year with 30% involving a fatality or injury. In addition, points for crash severity have been increased and points for crash frequency and congestion dramatically reduced.

ODOT has also added equity components to its application process. Projects in communities with higher levels of poverty will receive more points and more assistance in providing a local match. Equity scoring will be determined using census data. These communities typically have higher rates of fatalities and serious injuries than the population at large.

### **Systemic Safety Program**

In January 2022, ODOT launched a new systemic safety program focused on preventing pedestrian and roadway departure fatalities and serious injuries using FHWA identified proven safety countermeasures. Project sponsors requested up to \$2 million for pedestrian and \$5 million for roadway departure systemic improvements. The program is meant to encourage more safety applications focused on these two crash types, which are involved in about 60% of traffic deaths in Ohio each year.

2024 was the third iteration of this program. Over \$40M was awarded to 41 communities.

### **Abbreviated Safety Applications to Focus on Severity**

In 2023, ODOT changed the threshold for its low-cost, quick-hit abbreviated safety application process to focus exclusively on crashes with severity. Sponsors can submit applications for safety improvements that are \$500,000 or less and construction only. ODOT will review the applications once every quarter.

### **Record Level Safety Investments**

In 2023, ODOT awarded \$202 million in safety funding to local communities and ODOT district offices, a 12% increase over the previous year and the most money ever awarded by ODOT's Safety Program in a single year. The funding for these safety improvements will prevent serious injuries and traffic deaths on Ohio roads.

ODOT has three application programs that are available to local governments and ODOT district offices.

In 2023, ODOT approved 65 applications worth \$10.8 million in "quick hit" abbreviated applications. This simplified process was created to help Ohio communities act quickly to address safety concerns. Projects are typically \$500,000 or less and range in scope from high-visibility crosswalks to rumble stripes on rural roads.

In the spring of 2024, ODOT awarded 37 projects worth \$53 million to prevent pedestrian and roadway departure crashes through our systemic safety application program (launched in 2022). Project sponsors are encouraged to proactively focus on wider shoulders, flattening slopes, removing deep ditches, and installing centerline and edge line rumble stripes – especially on high-speed rural roads. ODOT is also promoting greater use of high-visibility crossings, advanced yield markings, lighting, and pedestrian-activated signals in areas where Ohioans are walking.

ODOT recently conducted a five-year analysis of traffic deaths in the state. Only 26% of traffic deaths occurred within 1000 feet of the same location – highlighting the need for both a proactive (systemic safety applications) and reactive approach (formal safety applications) to addressing fatal and serious crashes.

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ODOT awarded 53 projects worth \$138M last year through its formal safety application process. These projects are more complex to design and build, and typically cost up to \$5 million dollars. The awards include funding for 33 roundabouts in 19 counties. National research shows that converting traditional intersections to roundabouts can reduce serious injuries and deaths between 78% and 82%.

So far in 2024, ODOT has awarded 32 projects worth \$5.8M through its abbreviated application process; 27 projects worth \$41M through its systemic safety application process; and 28 projects worth \$87M through the formal application process. ODOT will receive more formal and abbreviated applications throughout the second half of this year.



## 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.**

ODOT has established the Highway Safety Improvement Program to create a process which emphasizes safety of the traveling public by analyzing the crash statistics on Ohio's state and local highway system. In 2022, the Department utilized AASHTOWare Safety Analyst to identify intersections and highway sections with the potential for safety improvement. Each of the 12 District Safety Review Teams (DSRT) reviews these prioritized locations as part of a Safety Annual Work Plan (SAWP) and accepts the plan. In addition, the Districts perform safety studies to determine the contributing factors related to crashes at the locations. The DSRT strives to identify crash patterns and recommend countermeasures to reduce the severity and long-term average frequency of crashes. In 2024, ODOT will be utilizing AASHTOWare Safety Powered by Numetric to identify intersections and highways sections for potential for safety improvement.

Safety projects are not limited to the state highway system. Proposed local projects on public roads are also evaluated and prioritized to improve safety as outlined in the application and selection process. These projects are reviewed and approved by the DSRT.

Upon recommendation from the District Safety Review Teams, eligible projects are submitted to ODOT Central Office for funding consideration, and evaluated and prioritized based on uniform and objective criteria. Projects which contribute most to improving safety and reducing the severity and long-term average frequency of crashes are considered for funding and further development. Twice a year, a listing of all newly approved safety projects is produced.

The Highway Safety Improvement Program historically receives approximately \$185 million annually of combined Federal and State funding. The actual level of funding designated for the program is determined by the Funds Management Committee and the Director, and is contingent on available state and federal revenues. The funding is used to implement countermeasures at identified crash locations on Ohio's roadways to ensure safety is the primary consideration in the design, development, and operation of this program.

#### **Where is HSIP staff located within the State DOT?**

Planning

#### **How are HSIP funds allocated in a State?**

- Central Office via Statewide Competitive Application Process
- Other-Direct Sub-Allocation to CEAO
- Other-Pedestrian Safety Improvement Program

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- Other-Ohio Township Sign Grant Program
- Other-Governor's Intersection Safety Program
- Other-Systemic Safety Improvements

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

#### **6. Addressing Local Road Safety**

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

Local governments can qualify for funding and technical assistance to address SHSP emphasis areas and prioritized safety locations through the HSIP programs administered by ODOT (\$185M annually), the County Engineers Association (\$14.2M annually) and the Ohio Local Technical Assistance Program (LTAP) (\$2M).

#### **Local Road Safety Initiative**

To encourage local governments to apply for these funds and overcome capacity constraints at the local level, in 2018 ODOT's Highway Safety Program launched its Local Safety Assistance program. This program provides local governments and metropolitan planning organizations in the state the technical assistance and consultant support necessary for developing County and Regional Safety Plans, conducting safety studies/road safety audits, and developing systemic safety improvement projects

- **County & Regional Safety Plans** are helping local agencies identify and understand the safety issues occurring within their communities. They are helping identify priority safety locations to target investments and they are outlining robust multi-disciplinary action plans aimed at addressing severe crashes and reducing fatalities and identify available resources for implementation. ODOT's Local Safety Assistance Program is providing technical assistance to local agencies to complete plans in their respective region/county, and is also working on creating templates and tools for agencies to easily create their own scalable plans.
- **Safety Studies and Road Safety Audits** are almost always required to apply for HSIP funds within Ohio. Through ODOT's Local Safety Assistance Program, local agencies are provided with technical assistance to complete the studies necessary to apply for HSIP funds at no cost to them.
- **Systemic Safety Project Development** can be a challenge at the local level, whether that's conducting a systemic analysis to managing the construction process. ODOT's Highway Safety Program provides technical assistance on the development of these projects and is working to streamline the project delivery process.

#### **CEAO Safety Program**

ODOT also works with the Ohio County Engineers Association to administer a separate safety program (\$14.2 million of HSIP funds) dedicated to making improvements on county-maintained roads. This funding can be used to make spot and systemic improvements tied to the SHSP. Applications are accepted once a year by CEOA and scored using criteria developed in conjunction with ODOT.

CEAO subdivides the \$14.2 million into several smaller funding categories. Each county is permitted to program eligible construction projects up to \$5 million overall for spot safety improvements. In addition to spot safety improvements, CEOA provides up to \$300,000 per county for each guardrail project, \$150,000 per county for each pavement marking project, \$75,000 per county for each raised pavement marker project, and \$15,000 per county for curve signage upgrade projects.

#### **Township Sign Grants**

ODOT also sets aside \$2M annually to upgrade safety-related signs on township roads. The grants are administered by LTAP.

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This program was developed to address intersection and curve systematic signage upgrades for townships with a high number of severe crashes. The top 100 townships (for severe crashes) are invited to apply each year. Funding is capped at \$50,000 for any one township. Funding is provided at 100% so no local matching funds are required. Township or county forces install the signs at their own cost.

There are 1,308 townships in Ohio and 617 of these have participated and completed signage installations since 2015.

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

- Design
- Districts/Regions
- Local Aid Programs Office/Division
- Maintenance
- Operations
- Planning
- Traffic Engineering/Safety
- Other-Traffic Systems Management and Operations

### **Describe coordination with internal partners.**

ODOT's Office of Transportation and Economic Development accepts applications – accompanied by safety studies – from ODOT District Offices and local governments twice a year. Applications must be submitted through the District Offices, which have a multi-disciplinary committee that reviews and approves them for Central Office consideration. Projects are then reviewed and selected for funding by the Safety Review Committee in Central Office, which includes expertise in safety, planning, geometric design, and traffic operations.

Priority is given to any project that improves safety at a roadway location with high frequency, severity and rate of crashes. Projects are scored based on:

- Expected Crash Frequency with a focus on Severity
- Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes
- Relative Severity Index
- Equivalent Property Damage Only Index
- Location Equity Measure

Funding awarded through the program is used to make traditional safety improvements at spot locations, such as intersections, and along sections or corridors throughout the state. Consideration is also given to lower-volume, lower-crash local roads with identified needs and cost-effective countermeasures.

Ohio's program also works collaboratively with other local, state and federal agencies to develop multi-agency safety initiatives through the Strategic Highway Safety Plan. These efforts allow ODOT to pair engineering expertise with education and enforcement initiatives that play a key role in reducing injuries and deaths.

**Identify which external partners are involved with HSIP planning.**

- FHWA
- Governors Highway Safety Office
- Law Enforcement Agency
- Local Government Agency
- Regional Planning Organizations (e.g. MPOs, RPOs, COGs)

**Describe coordination with external partners.**

**SHSP Steering Committee**

Ohio's SHSP Steering Committee represents the state's largest coordination effort with external partners. The committee includes members from 15 key safety organizations operating at the local, state and federal level including: Ohio County Engineers Association; Local Transportation Assistance Program, Ohio Association of Regional Councils (MPOs and RTPOs); Ohio Department of Public Safety; Ohio State Highway Patrol; Federal Highway Administration; Federal Motor Carrier Administration; and Ohio Department of Health. These organizations then feed the information to a network of hundreds of other stakeholders who are getting more actively involved in the SHSP and helping to guide ODOT's HSIP efforts. In 2018, Ohio also added AAA to this committee's membership.

**MPO/RTPO Safety Subcommittee**

Ohio has developed a program with the state's MPOs and RTPOs to get more local governments involved in the HSIP. In 2017, Ohio formed a working group tasked with developing a process to provide more safety analysis assistance to local governments. Many MPOs and RTPOs publish prioritize safety lists, however, too few local governments use this analysis to conduct reviews, make recommendations and apply for HSIP funding. This collaborative project seeks to close that gap. In August 2018, the working group started the process of assigning consultants to MPOs and RTPOs to assist in this process and in 2021, the working group became a formal subcommittee of the Ohio Association of Regional Councils.

**Ohio Traffic Safety Council**

On September 1, 2020, Ohio Governor Mike DeWine announced the creation of the Ohio Traffic Safety Council. The Council, led by the Ohio Department of Public Safety, includes representatives from federal, state, county, and local agencies – including ODOT - along with traffic safety partners and advocates who are all dedicated to making Ohio's roadways safer. The Ohio Traffic Safety Council focuses on addressing the areas that have the greatest potential to reduce the number of people killed on our roadways. It places an emphasis on data analysis, council feedback, and best practices to identify priority areas. Each priority area is assigned a coordinator to organize subcommittee meetings, arrange for resources, and provide updates to the council. The subcommittee is action-oriented, identifying well-defined projects that can be accomplished within a six-month period.

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

**Program Administration: HSIP Administration Description**

Ohio uses a focused approach to safety that targets resources based on the greatest need and greatest opportunity for improvements. We also promote the use of proven, cost-effective, systemic and systematic

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safety solutions that target critical, severe-crash types such roadway departure and intersections crashes. These focus areas are embodied in both the HSIP and the state's Strategic Highway Safety Plan.

We advanced the HSIP through the balanced deployment and implementation of a host of traditional spot safety investments and a host of systemic and systematic safety investments.

### **ODOT's Highway Safety Improvement Program and Safety Analyst Implementation**

Each year, ODOT staff reviews the top safety locations in Ohio. Ohio was one of the first states in the country to fully implement AASHTOWare Safety Analyst and use it to prioritize safety locations across Ohio. Safety Analyst has been sunset as of 2021. ODOT is now in the process of implementing AASHTOWare Safety by Numetric. AASHTOWare Safety by Numetric uses state-of-the-art statistical methodologies to identify roadway locations and safety improvements with the highest potential for reducing crashes. The software systems flag spot locations and road segments that have higher-than-expected fatal and injury crash frequencies. This methodology improves efficiency and ensures we are targeting priority locations and addressing as many injury crash locations as possible.

ODOT has developed eight priority lists based on rural and urban roadway types. The urban system covers all streets, roads, and highways located within incorporated areas with populations greater than 5,000. The suburban system is the network outside the incorporated area but still within the urban boundaries designated by the U.S. Census Bureau. The Bureau defines two types of urban areas based on population. Small urban areas are urban places with a population of 5,000 or more and not located within any urbanized area. An urbanized area is an area with a population of 50,000 or more. As might be expected, the rural functional classification system covers all other streets, roads, and highways that are not located within the boundaries of small urban and urbanized areas.

The priority lists are:

1. Rural Intersection: These locations were selected because they have a higher-than-expected fatal and injury crash frequency for each intersection.
2. Rural Non-Freeway: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for this roadway type. Only crashes indicated on the OH-1 crash report form as being non-intersection crashes were included in this analysis.
3. Rural Freeway: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for this roadway type or interchange location.
4. Urban Intersection: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for each intersection.
5. Urban Non-Freeway: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for this roadway type. Only crashes indicated on the OH-1 crash report form as being non-intersection crashes were included in this analysis.
6. Urban Freeway: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for this roadway type or interchange location.
7. Suburban Intersection: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for each intersection.
8. Suburban Non-Freeway: These locations were selected because they have a higher-than- expected fatal and injury crash frequency for this roadway type. Only crashes indicated on the OH-1 crash report form as being non-intersection crashes were included in this analysis.

### **Highway Safety Improvement Program Abbreviated Application**

In 2024, ODOT continued a process that was initialized in 2016 to implement low-cost safety improvements faster. These requests are less than \$500,000 that are either standalone projects or existing projects located

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on a priority location. This is part of an initiative to make safety improvements on all programmed projects. Over the past two years, the number of abbreviated applications has doubled.

### **Systemic and Systematic Safety Program**

In 2022, ODOT's Highway Safety Program launched a Systemic Safety Application to focus on roadway departure and pedestrian safety improvements. This program now awards about \$50M annually.

### **Safe Routes to School Program**

ODOT uses \$5 million from the Surface Transportation Block Grant Program to fund Ohio's Safe Routes to School Program. Again, this is separate and in addition to the \$185 million ODOT HSIP program. Funds can be used on any public roadway if the school has completed a School Travel Plan, or equivalent plan approved by ODOT. The School Travel Plan outlines where investments should be made for a specific school district.

### **Governor's Intersection Safety Program**

Since the Governor's Intersection Safety Program was initiated in 2019, 129 projects have been completed, 10 are under construction this year, 16 are under development and 2 locations are being monitored.

The program was launched by the Governor in 2019 to prevent crashes at 150 rural, urban and suburban intersections. Each year, about 37% of all fatal and serious injuries occur at Ohio intersections.

Funding is being used to make a range of safety improvements including upgrading signals, pavement markings and signs, installing turn lanes and high visibility pedestrian crossings, and building roundabouts. In total, the program represents a \$405M investment through 2024.

ODOT is also updating its approach to reducing intersection crashes in the state

#### **More Roundabouts**

ODOT is also updating its approach to reducing intersection crashes in the state. Since 2022, the department has been encouraging project sponsors to consider the long-term benefits of roundabouts - moving away from less effective intersection safety approaches to focus more acutely on this proven safety countermeasure.

To facilitate their evaluation for funding, ODOT set up a separate ranking and evaluation system to consider funding for these projects. National research shows that converting traditional intersections to roundabouts can reduce serious injuries and deaths between 78% and 82%.

This emphasis on roundabouts is working. Over the past two years, ODOT has funded 78 roundabouts with HSIP funds. This summer, the department approved another 18 roundabouts in 14 counties. More roundabouts will likely be approved during the fall round of formal applications this year.

### **Other Programs**

Small portions of ODOT's state funding are used for work zone enforcement, distracted driving initiatives, Move Over, and other educational opportunities. In 2024, ODOT has set aside funding for the High-Risk Rural Roads Program (HRRR) in Ohio. Any projects that are prioritized based on the HRRR Program are funded through the ODOT's HSIP Program (\$185 million).

ODOT also combines HSIP funding with other funding sources (such as MPO and Ohio Rail Development Commission (ORDC)) to make safety improvements.

## ***Program Methodology***

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

Yes

See Program Methodology Attachments for HSIP Procedure Manual

**Select the programs that are administered under the HSIP.**

- Sign Replacement And Improvement
- Other-State HSIP Program
- Other-CEAO HSIP Program
- Other-Systemic Program

**Program: Sign Replacement And Improvement**

***Date of Program Methodology: 12/1/2012***

***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

**Exposure**

- Population
- Lane miles

**Roadway**

***What project identification methodology was used for this program?***

- Crash frequency

***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-Priority Based

**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: Other-State HSIP Program**

**Date of Program Methodology:3/1/2016**

**What is the justification for this program?**

- Addresses SHSP priority or emphasis area

**What is the funding approach for this program?**

Competes with all projects

**What data types were used in the program methodology?**

Crashes	Exposure	Roadway
<ul style="list-style-type: none"><li>• All crashes</li><li>• Fatal and serious injury crashes only</li></ul>	<ul style="list-style-type: none"><li>• Traffic</li><li>• Volume</li></ul>	

**What project identification methodology was used for this program?**

- EPDO crash frequency with EB adjustment
- Excess expected crash frequency with the EB adjustment
- Expected crash frequency with EB adjustment
- Other-(Total Fatal and Serious Injuries)/Total Crashes
- Other-Volume to Capacity Ratio
- 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?**

- 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:3

Cost Effectiveness:2

**Program: Other-CEAO HSIP Program**

**Date of Program Methodology:7/1/2011**

**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**

- All crashes
- Fatal and serious injury crashes only

**Exposure**

- Traffic

**Roadway**

- Other-Rural County Highway System

**What project identification methodology was used for this program?**

- Crash frequency
- Crash rate
- Equivalent property damage only (EPDO Crash frequency)
- Other-Amount of Funding Requested
- 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?***

- Competitive application process
- 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**

Ranking based on B/C:1

Available funding:3

Cost Effectiveness:2

**Program: Other-Systemic Program**

***Date of Program Methodology:1/1/2022***

***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**

- Traffic
- Volume

- Functional classification
- Roadside features
- Other-Pedestrian Safety

***What project identification methodology was used for this program?***

- Crash frequency
- Crash rate
- Other-FHWA Proven Safety Countermeasures

***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
- 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**

Available funding:3

Cost Effectiveness:2

Other-Countermeasure Selection:1

**What percentage of HSIP funds address systemic improvements?**

99

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

- Add/Upgrade/Modify/Remove Traffic Signal
- Cable Median Barriers
- Clear Zone Improvements
- High friction surface treatment
- Horizontal curve signs
- Install/Improve Lighting
- Install/Improve Pavement Marking and/or Delineation
- Install/Improve Signing
- Other-Active Transportation Improvements
- Pavement/Shoulder Widening
- Rumble Strips
- Upgrade Guard Rails
- Wrong way driving treatments

**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

**Does the State HSIP consider connected vehicles and ITS technologies?**

Yes

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

ODOT safety program staff participate in bi monthly meetings with the Autonomous Vehicle, Connected Vehicle and Transportation Systems Management & Operations (AV/CV TSMO) Group. Additionally, the Ohio HSIP Program has been supportive in ITS technologies and AV/CV is included in the 2020 SHSP. Example projects include the following: Freeway queue warning system with driver messages, freeway camera monitoring equipment, and ramp wrong way driver alert systems.

Safety program and DriveOhio met to discuss current crash trends and related vehicle and infrastructure technology. The safety program provided crash trends related to several technologies to aid in the prioritization for deployment.

**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.**

Ohio began using AASHTOWare Safety Powered by Numetric to prioritize the roadway network within the state starting in 2024. AASHTOWare Safety Powered by Numetric faithfully implements Part B of the Highway Safety Manual (HSM).

All projects submitting for State HSIP Program funds are required to complete a Part C analysis included in the HSM. Additionally, ODOT has developed policy guidance to implement HSM for all projects. The level of analysis varies depending on the complexity of the project. For smaller projects, basic crash analysis is required. This includes identifying if the location is a priority location and reviewing general observed crash trends. For larger projects, Part C analysis is added as a requirement to understand the change in long term crash frequency.

## 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)	\$113,489,709	\$113,489,709	100%
HRRR Special Rule (23 U.S.C. 148(g)(1))	\$2,786,427	\$0	0%
VRU Safety Special Rule (23 U.S.C. 148(g)(3))	\$15,088,502	\$15,088,502	100%
Penalty Funds (23 U.S.C. 154)	\$36,049,019	\$36,049,019	100%
Penalty Funds (23 U.S.C. 164)	\$34,246,568	\$34,246,568	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	\$201,660,225	\$198,873,798	98.62%

Our records indicate that \$8M has been encumbered and an additional \$5.5M is expected to be encumbered for HRRR projects by the end of FFY24.

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

34%

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

34%

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

2%

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

2%

**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.**

For FFY 2023, Ohio has obligated approximately 100%. ODOT's safety program is making great progress working with our SHSP partners to advance the HSIP and help reduce fatal and serious injury crashes in Ohio.

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
108270 - BUT SR 4 3.56	Intersection traffic control	Modify traffic signal – add flashing yellow arrow	1	Intersections	\$958824	\$961392	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	31,642	35	City Municipal Highway Agency or	Spot	Intersections	Install flashing yellow signals to reduce intersection crashes.
115587 - MED - 2022 CEAO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$28229	\$28229	HSIP (23 U.S.C. 148)	Urban	Minor Collector	1,545	0	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
115584 - GAL - 2022 CEAO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$35550	\$35550	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	487	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
115586 - JAC - 2022 CEO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$50000	\$50000	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	300	0	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
115589 - PIC - 2022 CEAO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$39254	\$39254	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	8,335	35	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
115580 - BUT - 2022 CEAO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$39420	\$39420	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	9,441	0	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
117838 - MOE 2023 CEAO Curve Sign Upgrade	Roadway signs and traffic control	Curve-related warning signs and flashers	1	County	\$3600	\$3600	HSIP (23 U.S.C. 148)	Rural	Major Collector	171	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
117839 - CLE 2023 CEAO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$5600	\$5600	HSIP (23 U.S.C. 148)	Rural	Major Collector	378	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
117840 - DAR 2023 CEAO Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$38000	\$38000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	261	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
117842 - FUL CEAO 2023 Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$21300	\$21300	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	63	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
117845 - MOE CEAO 2023 Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$8000	\$8000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	263	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
117847 - SEN CEAO 2023 Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$30320	\$30320	HSIP (23 U.S.C. 148)	Rural	Major Collector	0	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure crashes.
110335 - WOO CR-Var PM FY2022	Roadway delineation	Roadway delineation - other	1	County	\$50000	\$50000	HSIP (23 U.S.C. 148)	Rural	Major Collector	1,261	45	County Highway Agency	Systemic	Roadway Departure	Paint pavement markings to reduce roadway departure crashes.

2024 Ohio 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
108147 - WOO Napoleon Rd Rndbt	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1132634	\$1133723	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	5,195	45	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
107168 - LUC Monclova/Weckerly Rndbt	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$586260	\$586260	HSIP (23 U.S.C. 148)	Rural	Minor Collector	4,116	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
110330 - LUC CR 32 8.30 Angola Rd Rndt	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1660817	\$1660817	HSIP (23 U.S.C. 148)	Urban	Minor Collector	10,280	35	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
109794 - LUC CR 8 4.82 Brint/Kilbrn Rndbt	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$811281	\$811281	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	1,248	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
102922 - WOO 23 6.02 Resurf	Roadway	Pavement surface - other	5.818	Miles	\$23699	\$215896	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Principal Arterial-Other	4,038	55	State Highway Agency	Systemic	Roadway Departure	Pavement replacement to reduce roadway departure crashes.
105705 - D02 TSG FY2023	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Locations	\$82960	\$248115	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	21,931	55	State Highway Agency	Spot	Intersections	Upgrade the existing traffic signal and school flashers to reduce intersection crashes.
112127 - LUC CR 566 0.00 Gibbs St	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$663472	\$805900	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	7,850	0	City Municipal Highway Agency	Systemic	Road Diet	Convert a road from 4 lanes to 3 lanes to reduce crashes.
117677 - LUC IR 475 4.40 Interchange	Interchange design	Interchange improvements	1	Interchanges	\$1000000	\$1000000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	84,722	65	State Highway Agency	Spot	Intersections	Construct a diverging diamond interchange to reduce rear end and angle crashes
110486 - LUC US20 9.10 @McCord Sfty Grp A	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$2509	\$2509	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	37,874	55	State Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
109640 - LUC SR 295 6.65 Roundabout	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$906527	\$906527	HSIP (23 U.S.C. 148)	Rural	Minor Collector	2,306	50	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
110051 - FRA IR 670 0.87	Roadway	Pavement surface - other	3.8	Miles	\$100000	\$8309008	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Interstate	149,426	65	State Highway Agency	Spot	Roadway Departure	Repair pavement, clean bridge, and upgrade guardrail to reduce roadway departure crashes.
117068 - LAW-52-13.59 (Safety)	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$440550	\$440550	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other Freeways & Expressways	23,268	55	State Highway Agency	Spot	Intersections	Adding a turn lane to prevent intersection crashes.



2024 Ohio 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
118119 - LAW-52-21.52 (Safety)	Intersection geometry	Add/modify auxiliary lanes	1	County	\$218379	\$254916	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other Freeways & Expressways	29,067	55	State Highway Agency	Spot	Intersections	Adding turn lanes to prevent intersection crashes.
119624 - Lanham Safety Study Admin 2023	Miscellaneous	Data collection	1	Study	\$14927	\$16586	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Study	Data	Admin Task for Safety Studies Contract.
118486 - WOO-420-2.60 Study	Miscellaneous	Data collection	1	Study	\$43839	\$48710	Penalty Funds (23 U.S.C. 154)	Rural	Principal Arterial-Other	12,636	60	State Highway Agency	Study	Data	Conduct an alternatives analysis at an intersection to reduce intersection crashes.
108003 - PRE VAR Pavement Markings FY 23	Roadway delineation	Longitudinal pavement markings – new	1	County	\$50000	\$50000	HSIP (23 U.S.C. 148)	Urban	Minor Collector	2,685	45	County Highway Agency	Systemic	Roadway Departure	Adding new pavement markers to prevent roadway departures.
101697 - ERI SR 0269 04.26	Roadway	Pavement surface - other	5.1	Miles	\$48465	\$1713541	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other Freeways & Expressways	26,160	70	State Highway Agency	Spot	Roadway Departure	Asphalt concrete overlay to reduce roadway departure crashes.
113402 - DEL-VAR CR GR-FY22	Roadside	Barrier- metal	2.3	Miles	\$250000	\$250000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	2,432	0	County Highway Agency	Spot	Roadway Departure	Upgrade guardrail to reduce roadway departure crashes.
117146 - CLI Wilmington Crossings FY23	Pedestrians and bicyclists	Install new crosswalk	7	Locations	\$402361	\$402361	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	9,772	45	City Municipal Highway Agency or	Systemic	Bicyclists	Implementing safety improvements to crossing locations to prevent pedestrian and bicyclist crashes.
110478 - BRO-32-4.16	Interchange design	Interchange improvements	1	Locations	\$10000550	\$17965936	Penalty Funds (23 U.S.C. 164)	Rural	Principal Arterial-Other	22,360	60	State Highway Agency	Spot	Intersections	Construct a new green-field full diamond interchange to reduce rear end and angle crashes
113732 - PIC-CR7-2.30	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$424962	\$1337877	HSIP (23 U.S.C. 148)	Rural	Major Collector	3,105	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
119587 - FAY-22-6.21	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$150000	\$150000	Penalty Funds (23 U.S.C. 164)	Urban	Minor Arterial	4,182	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
115130 - MRW SR 61-3.26 (at SR 229)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$100000	\$590355	HSIP (23 U.S.C. 148)	Rural	Minor Collector	12,570	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
116068 - LUC US 20A 9.75 Roundabout	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$278701	\$340615	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	5,557	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.

2024 Ohio 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
113725 - BUT CR 19 5.88	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	SUP	\$1352010	\$1352010	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	22,432	0	Town or Township Highway Agency	Systemic	Bicyclists	Construct a Shared use path to reduce bike crashes
114613 - BUT-122-2.70	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$185500	\$185500	HSIP (23 U.S.C. 148)	Rural	Minor Collector	6,602	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
118189 - HEN SR 34 0.85 Roundabout	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$208156	\$406959	Penalty Funds (23 U.S.C. 154)	Rural	Minor Collector	3,536	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
113199 - HAN SR 15 26.13	Access management	Access management - other	1	Intersections	\$3780000	\$4256107	Penalty Funds (23 U.S.C. 164)	Rural	Principal Arterial-Other	16,575	65	State Highway Agency	Spot	Intersections	Construct an overpass to reduce intersection crashes.
114845 - POR Old Forge RAB	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$208514	\$208514	HSIP (23 U.S.C. 148)	Urban	Minor Collector	0	45	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
107130 - HAM CR 284 1.33	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$50310	\$1293575	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Minor Arterial	10,719	0	City or Municipal Highway Agency	Spot	Intersections	Construct roundabout to reduce angle crashes
113719 - WOO SR 199 9.36 Roundabout	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$36000	\$38000	HSIP (23 U.S.C. 148)	Rural	Minor Collector	2,051	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
118109 - LOG US 33 9.58	Intersection geometry	Intersection geometry - other	1	Intersections	\$459000	\$459000	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	11,938	55	State Highway Agency	Spot	Intersections	Construct intersection safety improvements to reduce to intersection crashes.
118156 - MIA SR 41 11.32	Interchange design	Interchange improvements	1	Interchanges	\$389457	\$423183	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	32,348	35	State Highway Agency	Spot	Lane Departure	Construct safety improvements at an interchange and pedestrian facilities to reduce lane departure/pedestrian crashes.
114605 - HAM SR 4 7.00 Sidewalk	Pedestrians and bicyclists	Install sidewalk	0.072	Miles	\$112662	\$112662	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	22,064	35	State Highway Agency	Spot	Pedestrians	Construct sidewalks to reduce pedestrian crashes.
110277 - ALL Spencerville Road Sidewalks	Pedestrians and bicyclists	Install sidewalk	3	Locations	\$500000	\$874766	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	6,317	35	City or Municipal Highway Agency	Systemic	Pedestrians	Construct sidewalks to reduce pedestrian crashes.
113733 - POR SR 0014 06.43	Access management	Access management - other	3.8	Miles	\$1261375	\$1295179	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	19,844	55	State Highway Agency	Spot	Intersections	Construct southbound climbing lane to reduce intersection crashes.

2024 Ohio 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
93433 - SUM SR 0091 01.75	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$61091	\$63426	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,489	35	City Municipal Highway Agency or	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
117742 - ALL SR 81 22.23	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$320000	\$320000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	3,138	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
117792 - ALL SR 117 10.776	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$376319	\$376319	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	8,424	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
111491 - HAM Wasson Phase 3	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	SUP	\$4963	\$5515	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	23,376	0	City Municipal Highway Agency or	Spot	Bicyclists	Construct a shared use path to reduce pedestrian/bicyclist crashes.
108547 - TRU SR 46/82 DDI	Interchange design	Interchange improvements	1	Interchanges	\$3543430	\$20927488	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other Freeways & Expressways	40,907	55	State Highway Agency	Spot	Intersections	Construct a diverging diamond interchange to reduce rear end and angle crashes
103957 - CLE 32-2.33	Interchange design	Convert at-grade intersection to interchange	1	Interchanges	\$7608056	\$7608056	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	43,005	55	County Highway Agency	Spot	Intersections	Construct an overpass to reduce intersection crashes.
111819 - DEL-36-19.93	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$1139900	\$1139900	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	14,384	55	County Highway Agency	Spot	Intersections	Construct turn lanes to reduce intersection crashes.
118005 - HUR SR 0004 08.02	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$687510	\$687510	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	5,691	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
119049 - FRA-161-8.66 Olentangy River Rd	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	0.2	Miles	\$70719	\$78577	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	23,110	35	City Municipal Highway Agency or	Spot	Intersections	Convert through/right lane to a shared through/right/left lane to reduce intersection crashes.
118289 - RIC CR 0133 02.22 (Roundabout)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$201815	\$451815	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	10,431	45	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
118357 - MED SR 0162 25.11	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$700000	\$700000	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,525	50	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
118356 - MED SR 0003 20.63	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$630000	\$630000	HRRR Special Rule (23 U.S.C. 148(g)(1))	Rural	Minor Collector	5,191	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
118336 - WAY SR 0585 02.73	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$449903	\$449903	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	7,268	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.

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118008 - WAY SR 0094 18.21	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$639341	\$639341	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	11,822	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
118318 - LOR US 0020 02.05	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$441874	\$455295	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	7,722	65	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
118328 - ASD US 0042 13.40	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$600000	\$600000	HRRR Special Rule (23 U.S.C. 148(g)(1))	Rural	Minor Collector	3,292	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
116212 - WAY SR 0057 10.32	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$79737	\$82925	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	6,341	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
114149 - ASD SR 0089 13.36	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$339743	\$401438	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,298	55	State Highway Agency	Spot	Intersections	Convert to a roundabout to reduce intersection crashes
113947 - STW Signal Timing Admin 21-1	Intersection traffic control	Modify traffic signal timing – signal coordination	1	Contract	\$58614	\$58614	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Systemic	Intersections	Signal retiming to reduce intersection crashes
113624 - MOT-Trotwood SRTS-Infras-FY23	Pedestrians and bicyclists	Modify existing crosswalk	1	County	\$93860	\$93860	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	9,134	0	City or Municipal Highway Agency	Systemic	Pedestrians	Crosswalk improvments to reduce pedestrian crashes
104687 - SCI CR 253 0.00 Widening	Roadway	Roadway widening - add lane(s) along segment	0.95	Miles	\$741523	\$782445	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	1,931	0	County Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.
100835 - D08 Bridge Maintenance FY2021	Miscellaneous	Miscellaneous - other	1	District	\$61704	\$61704	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Interstate	92,941	65	State Highway Agency	Spot	Roadway Departure	Bridge improvments to reduce fixed object crashes
110809 - D03 GR FY2023 NHS	Roadside	Barrier end treatments (crash cushions, terminals)	1	District	\$548490	\$548490	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other Freeways & Expressways	23,154	70	State Highway Agency	Systemic	Roadway Departure	Update Type A end anchors to reduce roadway departure crashes.
111379 - HAN SR 15/CR 180 19.56/0.21	Interchange design	Convert at-grade intersection to interchange	1	Interchanges	\$3360080	\$4833175	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	15,856	65	State Highway Agency	Spot	Intersections	Remove at grade intersection to reduce angle crashes
115438 - SAN Fremont Study NS	Miscellaneous	Miscellaneous - other	1	Survey	\$57155	\$64000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Survey	Data	Engineering/planning survey to determine project feasibility, scope and limits for warning device modifications at 8 at-grade crossings.

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119867 - STW OH1 Data Analysis FY24	Miscellaneous	Data analysis	1	Analysis	\$157374	\$174860	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Data	Data	Enhancements to OH1 Crash System.
113072 - STW Wet Reflective Perf Eval	Roadway delineation	Improve retroreflectivity	10	Locations	\$159488	\$159488	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	106,676	70	State Highway Agency	Data	Data	Collecting data on past projects to evaluate feasibility
118360 - HUR US 0020 20.42	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$153508	\$170564	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	5,582	55	State Highway Agency	Study	Data	Conduct a feasibility study on a roundabout to reduce intersection crashes.
113718 - FRA-CR75-0.97	Intersection traffic control	Modify traffic signal –other	1	Miles	\$577876	\$580936	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,958	35	County Highway Agency	Systemic	Intersections	Intersection improvments to reduce intersection crashes
109014 - FRA-70-21.33	Interchange design	Interchange improvements	1	Interchanges	\$3067578	\$5195331	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Interstate	82,149	65	State Highway Agency	Spot	Intersections	Removal of local street intersection with interstate ramp to reduce angle and rear end crashes
109659 - FRA-70-20.29 (Courtright Rd.)	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	1	Locations	\$541296	\$2543664	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Interstate	83,131	65	State Highway Agency	Spot	Pedestrians	Widening bridge to add sidewalks
115114 - CAR State Route 171 WE Surface	Railroad grade crossings	Railroad grade crossings - other	1	Crossing	\$50000	\$50000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Grade crossing surface reconstruction to prevent intersection crashes.
117882 - LIC Irving Wick Dr CUOH Surface	Railroad grade crossings	Railroad grade crossings - other	1	Crossing	\$163000	\$219733	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Grade crossing surface reconstruction to prevent intersection crashes.
107071 - ADA CR VAR Guardrail FY23	Roadside	Barrier- metal	1	County	\$276852	\$276852	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	275	45	County Highway Agency	Systemic	Roadway Departure	Replace guardrail to prevent roadway departure crashes.
112325 - HOC CR VAR GR FY2022	Roadside	Barrier- metal	1	County	\$300000	\$300000	HSIP (23 U.S.C. 148)	Rural	Minor Collector	469	55	County Highway Agency	Systemic	Roadway Departure	Replace guardrail to prevent roadway departure crashes.
109245 - MOE CR VAR GR FY2023	Roadside	Barrier- metal	3.4	Miles	\$300000	\$300000	HSIP (23 U.S.C. 148)	Urban	Minor Collector	214	0	County Highway Agency	Systemic	Roadway Departure	Replace guardrail to prevent roadway departure crashes.
106261 - GEA US 322 07.78 Safety	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$308036	\$308036	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	8,807	45	State Highway Agency	Spot	Intersections	Construct left turn lanes to reduce left turn, angle and rear end crashes

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116137 - ROS-23-6.63 (Trego Creek Safety)	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$1421705	\$1421705	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	23,090	55	State Highway Agency	Spot	Intersections	Implement a turbo lane to reduce intersection crashes.
114689 - JAC-35-0.00 (Safety)	Miscellaneous	Data collection	1	County	\$62103	\$240560	State and Local Funds	Rural	Principal Arterial-Other	19,313	60	State Highway Agency	Systemic	Distracted Driving Corridor	Implement distracted driving corridors to reduce crashes.
115857 - COS VAR Signal Upgrades	Intersection traffic control	Modify traffic signal – modernization/replacement	1	City	\$500000	\$591511	HSIP (23 U.S.C. 148)	Urban	Minor Collector	10,335	20	City Municipal Highway Agency or	Systemic	Intersections	Improve and update signal equipment to reduce intersection crashes.
110427 - CUY/GEA US 422/322 02.42/04.05	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders	2	Intersections	\$36579	\$36579	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	14,716	50	State Highway Agency	Spot	Intersections	Improve intersection to reduce intersection crashes.
118058 - GRE SR 235 5.56	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$293552	\$326169	Penalty Funds (23 U.S.C. 164)	Urban	Minor Arterial	4,421	55	State Highway Agency	Spot	Intersections	Improve intersection to reduce intersection crashes.
107292 - CLE US 50/SR 132 Intersections	Intersection geometry	Add/modify auxiliary lanes	4	Intersections	\$594469	\$594469	HSIP (23 U.S.C. 148)	Urban	Minor Collector	9,514	55	Town Township Highway Agency or	Spot	Intersections	Improve intersection to reduce intersection crashes.
110867 - HEN SR 108 17.40 Roundabout	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1325140	\$1536203	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	9,335	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
113500 - HAM US 27 10.18 Sidewalks	Pedestrians and bicyclists	Install sidewalk	0.3	Miles	\$63000	\$63000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	46,518	35	County Highway Agency	Spot	Pedestrians	Install sidewalk to reduce pedestrian crashes.
113713 - HAM CR 90 3.89	Pedestrians and bicyclists	Install sidewalk	0.7	Miles	\$360200	\$360200	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,285	0	Town Township Highway Agency or	Systemic	Pedestrians	Install sidewalks to reduce pedestrian crashes
113714 - BUT CR 204 4.19	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1217707	\$1226130	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
115616 - CHP CR 67 0.00	Roadway delineation	Raised pavement markers	6.589	Miles	\$19790	\$21989	Penalty Funds (23 U.S.C. 154)	Rural	Minor Collector	883	45	County Highway Agency	Systemic	Lane Departure	Install centerline raised pavement markers to reduce lane departure crashes.
109571 - D08 Interchange Lighting	Interchange design	Interchange improvements	1	Interchanges	\$91355	\$91355	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Interstate	75,156	70	State Highway Agency	Spot	Intersections	Install interchange lighting to reduce intersection crashes.
116264 - CLE SR 125 11.98	Intersection geometry	Intersection geometry - other	1	Intersections	\$13360	\$14845	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	14,404	55	State Highway Agency	Spot	Intersections	Install left turn lanes to reduce intersection crashes.

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107161 - MOT SR 48 1.02	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$480465	\$2570165	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,305	55	State Highway Agency	Spot	Intersections	Install left turn lanes to reduce intersection crashes.
106981 - WAR US 22 7.12	Intersection geometry	Intersection geometry - other	1	Intersections	\$14200	\$59218	HSIP (23 U.S.C. 148)	Urban	Minor Collector	11,663	55	State Highway Agency	Spot	Intersections	Install left turn lanes to reduce intersection crashes.
107258 - AUG-CR VAR GR, FY2023	Roadside	Barrier- metal	1	County	\$144189	\$144189	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	912	0	County Highway Agency	Systemic	Roadway Departure	Upgrade/replace guardrails to reduce roadway departure crashes.
105923 - LIC CR VAR GR FY2022	Roadside	Barrier- metal	1	County	\$300000	\$300000	HSIP (23 U.S.C. 148)	Rural	Minor Collector	2,542	0	County Highway Agency	Systemic	Roadway Departure	Upgrade/replace guardrails to reduce roadway departure crashes.
113720 - CLE SR 132 12.49	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$137264	\$137264	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	9,371	55	Town or Township Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
109354 - HAM US 42 9.62	Pedestrians and bicyclists	Install sidewalk	0.45	Miles	\$284148	\$284148	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	15,773	35	State Highway Agency	Spot	Pedestrians	Install sidewalks and other pedestrian improvement projects to reduce pedestrian crashes.
106404 - HAM US 27 10.39	Pedestrians and bicyclists	Install sidewalk	0.7	Miles	\$145131	\$145131	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	46,518	35	State Highway Agency	Spot	Pedestrians	Improve pedestrian facilities to reduce pedestrian crashes
117258 - D06 Wrong Way Detection	Miscellaneous	Equipment	1	District	\$60535	\$104410	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,472	55	State Highway Agency	Systemic	Lane Departure	Install wrong way detection to reduce lane departure crashes.
107411 - PIC CR GR FY2023	Roadside	Barrier- metal	1	County	\$247475	\$247475	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	7,829	0	County Highway Agency	Spot	Roadway Departure	Install new guardrail to reduce roadway departure crashes.
117274 - LOR US 0006 13.70 Sidewalk	Pedestrians and bicyclists	Install sidewalk	0.5	Miles	\$104834	\$107311	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	8,580	35	City or Municipal Highway Agency	Systemic	Pedestrians	Install sidewalks and other pedestrian improvement projects to reduce pedestrian crashes.
117201 - MER Ft Recovery Sidewalks SA22	Pedestrians and bicyclists	Install sidewalk	1.1	Miles	\$161834	\$161834	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,764	55	Town or Township Highway Agency	Systemic	Pedestrians	Install sidewalks and other pedestrian improvement projects to reduce pedestrian crashes.
117772 - BUT TR 228 Hussey Rd CSX	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$218333	\$546210	Other Federal-aid Funds (i.e. STBG, NHPP)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes

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118399 - HUR TR107 Plymouth East Rd CSX	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$363000	\$363000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
116122 - LUC Otter Creek Road CSX	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$320000	\$330000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
118626 - AUG CR 180 Fairmont Rd IORY	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$263000	\$263000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
115878 - COL Walter St NS	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$305613	\$402613	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
116043 - STA CR 281 Walnut St WE	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$250000	\$261000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
116130 - CLI TR 263 Shawnee Trace IORY	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$250000	\$308000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
116127 - WAR CR 187 Gustin Rider Rd IORY	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$295443	\$353443	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
116126 - WAR TR 172 Pleasant-Renner IORY	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$250000	\$370244	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
113993 - MUS Pine St OSRR/Owens	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$278748	\$278748	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
117421 - WAR Snider Rd IORY	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Crossing	\$313000	\$313000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
109821 - CLI VAR Guardrail FY 23	Roadside	Barrier- metal	1	County	\$302967	\$302967	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	602	45	County Highway Agency	Spot	Roadway Departure	Install new guardrail to reduce roadway departure crashes.
113489 - WIL SRTS Bryan City Schls	Pedestrians and bicyclists	Install sidewalk	1.2	Miles	\$382119	\$382119	HSIP (23 U.S.C. 148)	Urban	Minor Collector	2,524	25	City Municipal Highway Agency or	Systemic	Pedestrians	Install new sidewalks to reduce pedestrian crashes.
111614 - LIC SR 13 00.42	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$270000	\$270000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,848	55	State Highway Agency	Spot	Intersections	Install left turn lane to reduce intersection crashes.
117317 - LOR US 0006 18.53 Sidewalk	Pedestrians and bicyclists	Rapid Rectangular Flashing Beacons (RRFB)	2	Locations	\$111600	\$111600	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	8,213	35	City Municipal Highway Agency or	Spot	Pedestrians	Install sidewalks and other pedestrian improvement projects to reduce pedestrian crashes.



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117220 - HAM CR 266 14.97 Kemper Rd	Pedestrians and bicyclists	Install sidewalk	1	Miles	\$129727	\$129727	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,619	0	County Highway Agency	Spot	Pedestrians	Install sidewalks and other pedestrian improvement projects to reduce pedestrian crashes.
117200 - AUG St Marys Indiana Walks SA22	Pedestrians and bicyclists	Install sidewalk	0.4	Miles	\$152390	\$152390	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	7,358	50	City Municipal Highway Agency or	Systemic	Pedestrians	Install sidewalks and other pedestrian improvement projects to reduce pedestrian crashes.
105922 - FAI CR VAR GR FY2022	Roadside	Barrier- metal	1	County	\$200000	\$200000	HSIP (23 U.S.C. 148)	Urban	Minor Collector	4,716	50	County Highway Agency	Systemic	Roadway Departure	Install new guardrails to reduce roadway departure crashes.
119375 - STW AT Academy 23-24	Miscellaneous	Training and workforce development	1	Training	\$114833	\$127592	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Training	Training	Trainings at Ohio Active Transportation Academy courses to reduce crashes.
111728 - SUM CR 0029 05.72 (Fishcreek)	Intersection geometry	Intersection geometry other	- 1	Intersections	\$665217	\$778524	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,556	0	City Municipal Highway Agency or	Spot	Intersections	Upgrade existing signal hardware to reduce angle and rear end crashes
116161 - LAW-SR141/CR7E-2.45 (Safety)	Intersection geometry	Intersection geometry other	- 1	Intersections	\$62561	\$79668	Penalty Funds (23 U.S.C. 154)	Rural	Minor Collector	3,787	55	State Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
110448 - MAR-423-7.40 (at Barks Rd W)	Intersection geometry	Intersection geometry other	- 1	Intersections	\$1057860	\$1184854	Penalty Funds (23 U.S.C. 154)	Urban	Minor Arterial	13,349	40	State Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
110587 - FRA-3-19.38 (at Hudson St)	Intersection geometry	Intersection geometry other	- 1	Intersections	\$1305000	\$1450000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	22,348	35	City Municipal Highway Agency or	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
118516 - ATH US 50 33.58	Intersection geometry	Intersection geometry other	- 1	Intersections	\$193909	\$215454	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	10,391	60	State Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
108791 - MOT-Mad River/Alex Bell Improve	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$4983	\$4983	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	9,180	0	County Highway Agency	Spot	Intersections	Perform hill-cut south of the intersection to increase intersection sight distance to prevent intersection crashes.

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114624 - ROS-CR 550-17.12 (Safety)	Intersection geometry	Intersection geometry - other	1	Intersections	\$101462	\$190365	HSIP (23 U.S.C. 148)	Urban	Minor Collector	14,028	45	State Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
117067 - ROS-50-19.39 (Safety)	Intersection geometry	Intersection geometry - other	1	Intersections	\$39484	\$39484	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	11,744	45	State Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
110376 - FRA-161-12.83 (at Maple Canyon)	Intersection geometry	Intersection geometry - other	1	Intersections	\$1540445	\$3600000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	25,203	50	City or Municipal Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
110436 - FRA-161-12.04 (at Karl Rd)	Intersection geometry	Intersection geometry - other	1	Intersections	\$1725576	\$1936682	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	28,679	45	City or Municipal Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
114254 - FRA-161-13.03 (Parkville/Spring)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$2000000	\$3127170	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	25,203	50	City or Municipal Highway Agency	Spot	Intersections	Implement intersection improvements to reduce intersection crashes.
107075 - JAC CR VAR PM FY2023	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$245000	\$245000	HSIP (23 U.S.C. 148)	Urban	Minor Collector	4,238	55	County Highway Agency	Systemic	Lane Departure	Install new and upgrade existing pavement markings to reduce lane departure crashes.
117231 - RIC CR 0133 02.30 (Lex-Spring)	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	1.4	Miles	\$291254	\$291254	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	8,623	45	County Highway Agency	Spot	Roadway Departure	Widen shoulder to limit roadway departure crashes.
110345 - LUC CR 8 7.07 Brint / Cent Rnbt	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$710212	\$710212	HSIP (23 U.S.C. 148)	Urban	Minor Collector	7,398	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
107970 - RIC/ASD SR 0545 10.51/00.00	Roadway	Pavement surface - other	6.431	Miles	\$914942	\$914942	HRRR Special Rule (23 U.S.C. 148(g)(1))	Rural	Minor Collector	1,960	55	State Highway Agency	Systemic	Roadway Departure	Adding buggy lanes.
101439 - WAY SR 0021 00.00	Miscellaneous	Miscellaneous - other	3	Locations	\$14227719	\$31343350	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other Freeways & Expressways	22,442	60	State Highway Agency	Systemic	Roadway Departure	Resurfacing roadways and adding safety improvements.
119680 - CLI SR 28 1.13	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	Locations	\$18550	\$20611	HSIP (23 U.S.C. 148)	Rural	Minor Collector	4,817	25	Town or Township Highway Agency	Spot	Pedestrians	Make mid-block crossing ADA compliant to reduce pedestrian crashes.

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115046 - BUT Maple Ave NS	Railroad grade crossings	Crossing warning signs and pavement marking improvements	1	Grade Crossing	\$52000	\$174683	Other Federal-aid Funds (i.e. STBG, NHPP)	N/A	N/A	0	0	Railroad	Spot	Intersections	Modification of grade crossing warning devices to reduce intersection crashes.
116114 - LOR SR 57 Main St CSX	Railroad grade crossings	Crossing warning signs and pavement marking improvements	1	Locations	\$13166	\$164416	Other Federal-aid Funds (i.e. STBG, NHPP)	N/A	N/A	0	0	Railroad	Spot	Intersections	Modification of grade crossing warning devices to reduce intersection crashes.
116570 - ERI US 0006 Connectivity Corrid.	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$94404	\$3121264	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	16,388	45	State Highway Agency	Systemic	Pedestrians	Adding multi-use path.
119439 - SFY24 OD Data Purchase	Miscellaneous	Data collection	1	Software	\$897156	\$1993680	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Data	Data	Obtain access to data to use.
116433 - OTT SR 163 24.9 - Signal & Walks	Pedestrians and bicyclists	Install sidewalk	0.08	Miles	\$15750	\$20865	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	3,326	35	City Municipal Highway Agency or	Systemic	Pedestrians	Implement new traffic signal, pedestrian crossing and sidewalk to reduce pedestrian crashes.
110416 - LIC US 40 13.15	Roadway	Pavement surface - other	4.5	Miles	\$5331357	\$7912767	HSIP (23 U.S.C. 148)	Rural	Minor Collector	8,762	55	State Highway Agency	Spot	Intersections	Upgrade intersection to reduce intersection crashes.
114065 - ASD US 0042 14.77	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$446361	\$479622	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,298	55	State Highway Agency	Spot	Intersections	Convert to a roundabout to reduce intersection crashes
92616 - FRA-270-51.50/FRA-23-4.19 Pt 1&2	Interchange design	Interchange improvements	1	Interchanges	\$4147646	\$32419551	State and Local Funds	Urban	Principal Arterial-Interstate	89,327	65	State Highway Agency	Spot	Intersections	Reconfigure interchange by removing loop ramps and providing turn lanes and signals on other ramps to reduce intersection crashes.
113804 - HUR CR VAR PM FY2022	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$200898	\$200898	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	2,925	55	County Highway Agency	Systemic	Lane Departure	Pavement marking replacement to reduce fixed object crashes.
107072 - ADA CR VAR PM FY23	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$150000	\$150000	HSIP (23 U.S.C. 148)	Rural	Minor Collector	755	45	County Highway Agency	Systemic	Lane Departure	Pavement marking replacement to reduce fixed object crashes.
112369 - HOC CR VAR PM FY2022	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$217162	\$271281	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	11,299	55	County Highway Agency	Systemic	Lane Departure	Pavement marking replacement to

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															reduce fixed object crashes.
107099 - KNO CR VAR PM FY23	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$110196	\$110196	HSIP (23 U.S.C. 148)	Rural	Minor Collector	1,827	0	County Highway Agency	Systemic	Lane Departure	Pavement marking replacement to reduce fixed object crashes.
114151 - HUR US 0224 05.15 (Willard)	Pedestrians and bicyclists	Install sidewalk	1.2	Miles	\$129968	\$182743	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	8,713	35	City Municipal Highway Agency or	Systemic	Pedestrians	Improve corridor with pedestrian facilities to reduce pedestrian crashes
117537 - D3/D12 Pedestrian Safety FY2025	Pedestrians and bicyclists	Pedestrians and bicyclists – other	59	Locations	\$278548	\$346991	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	32,543	50	State Highway Agency	Systemic	Pedestrians	Implement pedestrian safety improvement project to prevent pedestrian crashes.
117314 - HIG-50/62-Hillsboro Safety	Pedestrians and bicyclists	Pedestrians and bicyclists – other	2	Locations	\$40981	\$40981	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,526	35	City Municipal Highway Agency or	Systemic	Pedestrians	Implement pedestrian safety improvement project to prevent pedestrian crashes.
113350 - MER-118-21.81	Intersection geometry	Intersection geometry - other	1	Intersections	\$459234	\$463871	HSIP (23 U.S.C. 148)	Rural	Minor Collector	2,106	55	State Highway Agency	Spot	Intersections	Perform hill-cut south of the intersection to increase intersection sight distance to prevent intersection crashes.
117738 - FAI SR 158 3.18	Miscellaneous	Data collection	1	Study	\$38314	\$42571	Penalty Funds (23 U.S.C. 154)	Rural	Minor Collector	7,123	55	State Highway Agency	Study	Data	Preliminary study for intersection improvement options to reduce intersection crashes.
119442 - LIC SR 37/SR 310 6.96/13.38	Miscellaneous	Data collection	1	Study	\$15066	\$16740	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	6,779	55	State Highway Agency	Study	Data	Preliminary study for intersection improvement options to reduce intersection crashes.
108734 - PIK SR 32 15.77 Safety	Intersection geometry	Intersection geometry - other	4.5	Miles	\$57544	\$174673	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	8,471	60	State Highway Agency	Systemic	Intersections	Installing a J-Turn and raised medians.
118234 - LUC SR 2 21.72 Navarre Safety	Intersection traffic control	Systemic improvements – signal-controlled	1.3	Miles	\$140997	\$300000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	27,273	40	City Municipal Highway Agency or	Spot	Lane Departure	Install a median barrier to reduce lane departure crashes
111414 - LUC CR 5/TR 4.79/0.89 Syl/Kilbrn	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$783364	\$783637	HSIP (23 U.S.C. 148)	Rural	Minor Collector	1,935	45	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.

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117184 - WOO TR 98 0.74 Brim Rd SUP	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	Shared Use Path	\$130604	\$130604	HSIP (23 U.S.C. 148)	Urban	Minor Collector	3,087	25	City Municipal Highway Agency or	Spot	Bicyclists	Construct a shared use path to reduce pedestrian/bicyclist crashes.
115606 - MUS IR 70 01.70	Roadway	Roadway - other	0.3	Miles	\$24480	\$40800	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Interstate	33,283	70	State Highway Agency	Systemic	Roadway Departure	Diamond grooving roadway to prevent roadway departure.
112130 - LUC SR 246 4.50 Dorr St	Intersection traffic control	Intersection traffic control - other	1	Intersections	\$760600	\$760600	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	15,539	35	City Municipal Highway Agency or	Spot	Intersections	Intersection improvement project to reduce intersections project.
109435 - ALL SR 117 23.83	Roadway	Pavement surface - other	0.586	Miles	\$1440000	\$5104500	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Minor Arterial	7,873	35	State Highway Agency	Spot	Roadway Departure	Resurface road and add sidewalks to reduce roadway departure/pedestrian crashes.
115634 - LUC Toledo GR Material	Roadside	Barrier- metal	12	Overpasses	\$161607	\$161607	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	23,518	35	City Municipal Highway Agency or	Systemic	Roadway Departure	Purchase guardrails and installation to reduce fixed object crashes
117310 - WAR SR 123 33.46	Roadway signs and traffic control	Roadway signs and traffic control - other	0.15	Miles	\$8368	\$8368	HSIP (23 U.S.C. 148)	Urban	Minor Collector	7,581	35	Town Township Highway Agency or	Spot	Roadway Departure	Purchase LED speed activated chevrons for curve to reduce roadway departure crashes.
118869 - TUS SR 93 8.63	Roadway signs and traffic control	Roadway signs and traffic control - other	1	County	\$7000	\$7000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Spot	Intersections	Purchase of LED warning and stop signs to reduce intersection crashes.
118875 - HOL SR 39 28.99	Roadway signs and traffic control	Roadway signs and traffic control - other	1	County	\$7000	\$7000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Spot	Intersections	Purchase of LED warning and stop signs to reduce intersection crashes.
109049 - WAR SR 63 IORY	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Locations	\$75205	\$75205	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	35,018	45	Railroad	Spot	Intersections	Install railroad interconnected traffic signal to reduce intersection crashes.
113707 - CLE SR 125 1.47	Intersection traffic control	Modify traffic signal –other	1	Intersections	\$307730	\$307730	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	36,957	45	State Highway Agency	Spot	Intersections	Rebuild the traffic signal to prevent intersection crashes.
90273 - MOT US 35 19.80	Interchange design	Interchange improvements	1	Interchanges	\$3337200	\$10477361	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other Freeways & Expressways	63,609	55	State Highway Agency	Spot	Intersections	Reconfigure interchange to a Tight Urban Diamond Interchange to reduce intersection crashes.

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113997 - CLI CR 3 2.89 Nelson Avenue	Roadway	Roadway widening - travel lanes	0.5	Miles	\$28836	\$28836	HSIP (23 U.S.C. 148)	Rural	Minor Collector	1,910	45	County Highway Agency	Spot	Roadway Departure	Reconstruct road to prevent roadway departure crashes.
115787 - CLI CR 7 8.00 Farmers Road	Roadway	Roadway widening - travel lanes	0.8	Miles	\$16886	\$19024	Penalty Funds (23 U.S.C. 154)	Urban	Minor Collector	1,485	45	County Highway Agency	Spot	Roadway Departure	Reconstruct road to prevent roadway departure crashes.
109957 - CLI CR 16 7.96 Center Road	Roadway	Roadway widening - travel lanes	0.8	Miles	\$64981	\$1373794	HSIP (23 U.S.C. 148)	Rural	Minor Collector	2,008	45	County Highway Agency	Systemic	Roadway Departure	Widening the roadway to reduce roadway departure crashes
112026 - POR SR 0059 02.14 (E Main St)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$2340000	\$3061856	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other	18,577	35	City Municipal Highway Agency or	Spot	Roadway Departure	Reconstruct road to prevent roadway departure crashes.
114992 - HAM IR 71 8.65	Interchange design	Interchange improvements	1	Ramps	\$198145	\$4791803	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Interstate	117,124	65	State Highway Agency	Spot	Roadway Departure	Reconstruct ramp to prevent roadway departure crashes.
113677 - LUC CR22 13.25 Bncft & Secor Sgl	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$180000	\$180000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	16,997	0	City Municipal Highway Agency or	Spot	Intersections	Reconstruct the traffic signal to reduce intersection crashes.
116359 - FRA SR 665 5.18 (at Lambert Rd)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$342000	\$342000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	4,983	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
117237 - HAM/WAR US 22 16.04/0.00 Ped	Pedestrians and bicyclists	Pedestrian signal - other	4.9	Miles	\$189467	\$248849	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	31,370	45	State Highway Agency	Systemic	Bicyclists	Relocate existing ped heads and push buttons onto pedestals to prevent pedestrian/bicyclist crashes.
111487 - LAW-93-1.36 Safety	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$4098820	\$4098820	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other Freeways & Expressways	16,232	60	State Highway Agency	Systemic	Intersections	Construct a roundabout to reduce intersection crashes.
110853 - ASD US 0030 10.28	Roadway	Roadway - other	1	RCUT	\$14817	\$17636	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	13,488	60	State Highway Agency	Spot	Intersections	Construct restricted crossing u turns to reduce angle crashes
107074 - HIG CR Various PM FY 2023	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$175000	\$175000	HSIP (23 U.S.C. 148)	Rural	Major Collector	748	45	County Highway Agency	Systemic	Roadway Departure	Replace pavement markers to prevent roadway departure crashes.
114823 - LOR SR 0611 01.10 Signals	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$153900	\$153900	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	12,161	45	City Municipal Highway Agency or	Spot	Intersections	Replace signals to reduce intersection crashes.

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115431 - LOR SR 0057 08.00 Main St Ph. II	Pedestrians and bicyclists	Install sidewalk	0.5	Miles	\$250000	\$761550	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	4,982	35	Town or Township Highway Agency	Spot	Pedestrians	Replacement and installation of sidewalk and crosswalks to reduce pedestrian crashes.
116507 - ALL SR 309 0.00	Roadway	Pavement surface - other	5.772	Miles	\$7910	\$7910	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	9,270	55	State Highway Agency	Systemic	Roadway Departure	Various roadway improvements to reduce fixed object crashes
111650 - CRA SR 0061 02.87	Roadway	Pavement surface - other	4	Locations	\$15732	\$3081238	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other Freeways & Expressways	6,775	55	State Highway Agency	Systemic	Roadway Departure	Various roadway improvements to reduce fixed object crashes
98383 - STA SR 43/VAR 12.70/VAR	Roadway	Pavement surface - other	4	Locations	\$336	\$336	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	15,755	55	State Highway Agency	Systemic	Roadway Departure	Install centerline rumble strips to reduce head on crashes
112749 - STA US 0062 26.72	Roadway	Pavement surface - other	12	Locations	\$90000	\$5779309	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	26,839	60	State Highway Agency	Systemic	Roadway Departure	Various roadway improvements to reduce fixed object crashes
91419 - HAM IR 74/IR 275 3.54/3.97	Roadway	Pavement surface – high friction surface	1	Interchanges	\$303966	\$7995513	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Interstate	68,467	65	State Highway Agency	Systemic	Roadway Departure	Various roadway improvements to reduce fixed object crashes
112955 - UNI- 245/161-0.03/0.64	Roadway	Pavement surface - other	7.6	Miles	\$134622	\$134622	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	11,003	55	State Highway Agency	Systemic	Roadway Departure	Various roadway improvements to reduce fixed object crashes
98447 - HUR US 0224 00.00	Roadway	Pavement surface - other	7	Locations	\$93450	\$93450	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	8,713	55	State Highway Agency	Spot	Roadway Departure	Various roadway improvements to reduce fixed object crashes
110851 - CUY IR 071 18.29 Safety	Interchange design	Interchange improvements	2	Ramps	\$3974328	\$4142026	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	82,832	60	State Highway Agency	Systemic	Road Diet	Convert the road to three lanes to reduce crashes.
112573 - ALL- Cable Road	Intersection traffic control	Systemic improvements – signal-controlled	0.86	Miles	\$556180	\$556180	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	20,358	25	City or Municipal Highway Agency	Systemic	Intersections	Upgrading signals to decrease intersection related crashes.
109493 - FRA SR 317 5.09	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1181250	\$1818250	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	8,578	50	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.

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111568 - LOR CR 0623 00.00 East Broad	Roadway	Roadway widening - add lane(s) along segment	1.3	Miles	\$3008256	\$8273552	HSIP (23 U.S.C. 148)	N/A	N/A	13,847	0	City Municipal Highway Agency or	Spot	Intersections	Add a 2 way left turn lane to reduce intersection crashes
118943 - DEF Clinton Improvements	Pedestrians and bicyclists	Pedestrians and bicyclists – other	0.5	Miles	\$237453	\$237453	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	20,284	35	City Municipal Highway Agency or	Systemic	Bicyclists	Implement safety enhancements for bicycles and pedestrians to prevent pedestrian/bicyclist crashes.
117279 - NOB SR 78 7.15 Safety	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	Intersections	\$107920	\$115522	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	7,197	45	State Highway Agency	Spot	Pedestrians	Improve intersection for pedestrians to prevent pedestrian crashes.
118673 - D02 Studies 2023 - 1	Miscellaneous	Data collection	1	Study	\$207306	\$252762	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	30,666	45	State Highway Agency	Study	Data	Conduct safety study to prevent crashes.
117820 - MOT-35 W. Third St. Safety Study	Miscellaneous	Data collection	1	Study	\$17906	\$19896	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	19,244	55	State Highway Agency	Study	Data	Conduct study of intersection to prevent intersection crashes.
119420 - WAR US-42 16.62 Safety Study	Miscellaneous	Data collection	1	Study	\$23705	\$26339	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	8,882	55	State Highway Agency	Study	Data	Conduct study of intersection to prevent intersection crashes.
118997 - LIC SR 37 22.20	Miscellaneous	Data collection	1	Study	\$27102	\$33877	HSIP (23 U.S.C. 148)	Rural	Minor Collector	7,254	55	State Highway Agency	Study	Data	Conduct study of intersection to prevent intersection crashes.
117190 - FUL SR108 14.8 Wauseon MUP Cross	Pedestrians and bicyclists	Pedestrian hybrid beacon	1	Locations	\$61273	\$61273	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	10,701	35	City Municipal Highway Agency or	Spot	Pedestrians	Install a pedestrian hybrid beacon to prevent pedestrian crashes.
93173 - FRA US 40 7.00	Intersection traffic control	Systemic improvements – signal-controlled	0.7	Miles	\$2847600	\$8429695	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other	24,267	45	State Highway Agency	Systemic	Roadway Departure	Roadway widening and resurfacing to reduce fixed object crashes.
104739 - STA CR 0228 08.32 Portage St	Intersection traffic control	Intersection traffic control - other	1	Intersections	\$36760	\$87842	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Minor Arterial	22,988	45	County Highway Agency	Spot	Intersections	Upgrade existing signal hardware to reduce rear end crashes
114164 - CUY SR 175 07.30 Safety	Intersection traffic control	Intersection traffic control - other	1	Intersections	\$410928	\$488181	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	17,393	35	State Highway Agency	Spot	Intersections	Improve signals to prevent intersection crashes.



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108341 - WAS SR 7 7.250	Intersection traffic control	Intersection traffic control - other	3	Intersections	\$1514	\$1514	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	17,223	50	City Municipal Highway Agency or	Systemic	Intersections	Install advanced signal detection throughout corridor to reduce rear end crashes
113223 - ROS-159 Signal Timing 2020	Intersection traffic control	Intersection traffic control - other	1.386	Miles	\$6677	\$6677	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	30,336	40	State Highway Agency	Spot	Data	Conduct a signal timing analysis to prevent intersection crashes.
117596 - ERI SR 4 Signal Timing	Intersection traffic control	Modify traffic signal timing – general retiming	0.9	Miles	\$27000	\$27000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	13,276	55	State Highway Agency	Spot	Data	Conduct a signal timing analysis to prevent intersection crashes.
117597 - MIA SR 41 Troy Signal Timing	Intersection traffic control	Modify traffic signal timing – general retiming	1.2	Miles	\$32000	\$32000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	21,989	35	State Highway Agency	Spot	Data	Conduct a signal timing analysis to prevent intersection crashes.
118487 - SHE-47-12.6 Signal Timing	Intersection traffic control	Modify traffic signal timing – general retiming	1.9	Miles	\$45000	\$45000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	12,134	55	State Highway Agency	Spot	Data	Conduct a signal timing analysis to prevent intersection crashes.
117958 - WOO SR 25 DDI Signal Timing	Intersection traffic control	Modify traffic signal timing – general retiming	3.5	Miles	\$60000	\$60000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	15,676	55	State Highway Agency	Spot	Data	Conduct a signal timing analysis to prevent intersection crashes.
119648 - HAM SR 264 Cincinnati Sig Timing	Miscellaneous	Data collection	1	Study	\$76124	\$76124	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	23,070	35	State Highway Agency	Spot	Data	Conduct a signal timing analysis to prevent intersection crashes.
114206 - CUY SR 176 07.40 Signal Timing	Intersection traffic control	Modify traffic signal timing – general retiming	9.3	Miles	\$16580	\$16580	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	19,459	25	State Highway Agency	Systemic	Intersections	Signal retiming to reduce intersection crashes
115344 - STW USBR Signage	Miscellaneous	Equipment	1	USBR Signage	\$254660	\$254660	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	31,049	55	State Highway Agency	Systemic	Bicyclists	Installing US Bike Routes signs to reduce bicyclists crashes.
25594 - FRA IR 70 3.41	Roadway	Pavement surface - other	4	Miles	\$23971	\$23971	HSIP (23 U.S.C. 148)	Urban	Principal Interstate	122,672	65	State Highway Agency	Spot	Roadway Departure	Resurfacing to reduce roadway departure crashes.
117252 - STW 2023 CEOA Safety Studies	Miscellaneous	Data collection	1	Study	\$675000	\$675000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Study	Data	Conduct Statewide CEOA Safety Studies for FY 2023 to prevent crashes.

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115635 - HOC US 33 0.000	Miscellaneous	Data collection	1	Study	\$900000	\$900000	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other Freeways & Expressways	26,703	70	State Highway Agency	Study	Data	Conduct a study of traffic and safety concerns at grade intersections to prevent intersection crashes
110434 - LOR CR 60 5.05(Columbia W River)	Roadway	Pavement surface - other	0.937	Miles	\$234599	\$234599	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	County Highway Agency	Spot	Roadway Departure	Resurfacing to reduce roadway departure crashes.
113468 - MOT-Gettysburg Walk	Pedestrians and bicyclists	Install sidewalk	0.4	Miles	\$279450	\$326700	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	5,658	35	City Municipal Highway Agency or	Systemic	Pedestrians	Install new sidewalks and other pedestrian safety measures to reduce pedestrian crashes.
113739 - HAM SRTS Lockland FY 23	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1.3	Miles	\$18000	\$725723	Other Federal-aid Funds (i.e. STBG, NHPP)	N/A	N/A	4,916	0	Town Township Highway Agency or	Systemic	Pedestrians	Install new sidewalks and other pedestrian safety measures to reduce pedestrian crashes.
115082 - RIC US 0030 18.10	Miscellaneous	Miscellaneous - other	1	Locations	\$688167	\$688167	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	17,693	60	State Highway Agency	Systemic	Intersections	RCUT maintenance project.
111806 - DEL TR119 0.56	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$500000	\$500000	HSIP (23 U.S.C. 148)	Urban	Minor Collector	5,357	45	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
117867 - COL SR 170 0.13	Lighting	Continuous roadway lighting	1	County	\$134913	\$203717	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	11,933	40	County Highway Agency	Spot	Roadway Departure	Provide highway lighting to reduce roadway departure crashes
108084 - SUM Portage Trail Ext.	Intersection geometry	Add/modify auxiliary lanes	0.78	Miles	\$937734	\$937734	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	19,880	35	City Municipal Highway Agency or	Spot	Intersections	Add TWLTL to reduce intersection crashes
113879 - GUE 2021 Curve Sign Upgrade	Roadway signs and traffic control	Curve-related warning signs and flashers	1	Curves	\$7873	\$7873	HSIP (23 U.S.C. 148)	Urban	Minor Collector	2,339	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure.
116983 - ALL Monroe Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$15301	\$19549	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	226	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117111 - BEL Pultney Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$38922	\$38936	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117112 - DEL Harlem Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$460	\$6304	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes

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115579 - MOE - 2022 CEAO Curve Sign Upgrd	Roadway signs and traffic control	Curve-related warning signs and flashers	1	County	\$3940	\$3940	HSIP (23 U.S.C. 148)	Rural	Minor Collector	435	0	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce roadway departure.
115593 - WYA - CEAO 2022 Sign Upgrade	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	County	\$44640	\$44640	HSIP (23 U.S.C. 148)	Urban	Minor Collector	1,328	45	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce fixed object crashes
115588 - MOE - 2022 CEAO Sign Upgrade	Roadway signs and traffic control	Sign sheeting - upgrade or replacement	1	County	\$2160	\$2160	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Systemic	Roadway Departure	Install signage to reduce fixed object crashes
117115 - WIL Florence Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$32295	\$32300	Penalty Funds (23 U.S.C. 164)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
95786 - WIL SR 15 0.00 Resurf	Roadway	Pavement surface - other	4.34	Miles	\$6984	\$2536729	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Principal Arterial-Other	4,577	55	State Highway Agency	Systemic	Roadway Departure	Pavement replacement to reduce fixed object crashes.
112127 - LUC CR 566 0.00 Gibbs St	Intersection traffic control	Modify control – Compact/Mini-roundabout	1	Intersections	\$172420	\$188385	Penalty Funds (23 U.S.C. 164)	Urban	Local Road or Street	6,261	0	City Municipal Highway Agency	Spot	Intersections	Installation of a compact roundabout and the installation of enhanced pedestrian crossing to reduce fixed object and pedestrian crashes.
108465 - LUC SR 2 13.77 Intr Widen Grp A	Intersection geometry	Modify lane assignment	1	Intersections	\$644180	\$2262615	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	13,151	50	City Municipal Highway Agency	Spot	Intersections	Modify lane assignments to reduce rear end crashes
117116 - JAC Franklin Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$11650	\$11651	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117235 - FAY Perry Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$11919	\$11922	Penalty Funds (23 U.S.C. 164)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
110482 - SEN US 224 11.98 Safety Grp A	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$25627	\$1397200	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	12,961	55	State Highway Agency	Spot	Intersections	Add 2 way left turn lanes to reduce intersection crashes
117273 - MED Harrisville Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$20741	\$21776	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	491	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117312 - ALL Sugar Creek Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$816	\$22684	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117333 - DAR Wayne Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$23792	\$23805	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes

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117335 - FAY Union Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$33318	\$34647	Penalty Funds (23 U.S.C. 164)	Urban	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117338 - COL West Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$57014	\$57035	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117416 - ADA Sprigg Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$2631	\$17367	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117417 - SAN Rice Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$35187	\$37045	Penalty Funds (23 U.S.C. 164)	Rural	Local Road or Street	356	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117418 - MEG Chester Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$8722	\$9013	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	43	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115229 - VAN Washington Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$32523	\$32523	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115255 - SEN Reed Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$10469	\$10469	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117204 - WAS Fearing Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$47445	\$47445	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117414 - KNO College Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$21527	\$21527	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	466	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117415 - MAH Smith Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$25000	\$25000	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117226 - LAW Rome Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$22704	\$22733	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
109613 - WAR CR 21 0.23	Access management	Change in access - close or restrict existing access	0.18	Miles	\$172159	\$172159	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	38,471	35	County Highway Agency	Spot	Intersections	Access management to reduce intersection crashes
117272 - SHE Clinton Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$10504	\$10508	Penalty Funds (23 U.S.C. 154)	Urban	Minor Collector	7,474	35	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
114818 - MAR-95-17.90 (at Jamesway)	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$50000	\$402953	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	18,813	45	State Highway Agency	Spot	Intersections	Construct turn lanes and rebuild signal to reduce intersection crashes.
117313 - MOT Jackson Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$57530	\$57531	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	356	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes

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102027 - LOR SR 0254 02.03	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$100000	\$100000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	27,429	35	State Highway Agency	Spot	Intersections	Installing right turn lane to reduce intersection crashes and improve efficiency.
111283 - LOR SR 0254 05.66	Intersection geometry	Add/modify auxiliary lanes	0.69	Miles	\$80188	\$80188	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	28,353	45	City Municipal Highway Agency or	Spot	Roadway Departure	Adding through/ turn lanes and making signal improvements to reduce fixed object crashes.
117360 - GEA Middlefield Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$10160	\$11133	Penalty Funds (23 U.S.C. 154)	Rural	Local Road or Street	276	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
110986 - LOR CR 0658 00.00 Cleveland St	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	3	Locations	\$435125	\$610808	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	10,924	0	City Municipal Highway Agency or	Systemic	Roadway Departure	Road diet to reduce intersection crashes
117412 - FAI Clearcreek Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$25121	\$51206	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
113363 - BUT Middletown Lanes FY21	Pedestrians and bicyclists	On road bicycle lane	1.42	Miles	\$316856	\$574284	Penalty Funds (23 U.S.C. 164)	Urban	Minor Collector	1,072	25	City Municipal Highway Agency or	Systemic	Bicyclists	Connecting existing bikepaths to reduce bike crashes
117413 - ROS Buckskin Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$25000	\$40579	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
109737 - RIC US 0030 17.11	Roadway	Roadway widening - add lane(s) along segment	0.15	Miles	\$44500	\$457978	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other Freeways & Expressways	16,151	60	State Highway Agency	Spot	Roadway Departure	Add a deceleration lane to reduce fixed object crashes
117106 - LAW Fayette Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$25000	\$25000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117334 - VAN Tully Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$25000	\$25000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
117107 - SHE Van Buren Twp Sign Grant	Roadway signs and traffic control	Roadway signs and traffic control - other	1	Township	\$47078	\$52133	Penalty Funds (23 U.S.C. 154)	Urban	Local Road or Street	224	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
113741 - LUC CR 22 8.0 Bancrft & Mcord	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$28956	\$1074612	Penalty Funds (23 U.S.C. 164)	Urban	Minor Arterial	14,204	45	County Highway Agency	Spot	Intersections	Convert to a roundabout to reduce intersection crashes
111375 - ALL US 30 16.19	Intersection geometry	Innovative Intersection (e.g. MUT, RCUT, QR)	1	Intersections	\$1600000	\$2384896	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	10,887	65	State Highway Agency	Spot	Intersections	Intersection improvments to reduce intersection crashes

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112809 - CUY Monticello Blvd Signals	Intersection traffic control	Intersection traffic control - other	6	Intersections	\$405185	\$809113	Penalty Funds (23 U.S.C. 164)	N/A	N/A	8,942	0	City Municipal Highway Agency or	Spot	Intersections	Improve traffic signals to reduce intersection crashes.
113688 - HAN SR 15 25.30/27.17	Intersection geometry	Intersection geometry - other	2	Intersections	\$550000	\$550000	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	13,472	65	State Highway Agency	Spot	Intersections	Intersection improvments to reduce intersection crashes
100327 - MAH TR 1698 Maple Ave YSRR	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$73916	\$73916	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	0	0	Railroad	Spot	Intersections	Adapt intersection to railroad timing to reduce train crashes
110466 - BUT US 127 16.56	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$200732	\$208909	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	8,287	55	State Highway Agency	Spot	Intersections	Roundabout to reduce intersection crashes
87116 - MRG SR 555 15.340	Roadway	Pavement surface - other	5	Locations	\$8316	\$368354	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Minor Collector	960	55	State Highway Agency	Systemic	Roadway Departure	Road resurfacing to reduce fixed object crashes.
101363 - NOB SR 78 0.00 NOB 821 7.47	Roadway	Pavement surface - other	3	Locations	\$585000	\$4580858	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Minor Arterial	5,199	55	State Highway Agency	Systemic	Roadway Departure	Road resurfacing to reduce fixed object crashes.
115664 - VIN US 50 10.680 HOC 56 4.41	Pedestrians and bicyclists	Pedestrians and bicyclists – other	17.2	Miles	\$108747	\$5339215	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Minor Arterial	3,672	55	State Highway Agency	Systemic	Roadway Departure	Road resurfacing to reduce fixed object crashes.
96657 - WAS US 50 3.580	Roadway	Pavement surface - other	3	Locations	\$104310	\$104310	HRRR Special Rule (23 U.S.C. 148(g)(1))	Urban	Principal Arterial-Other	17,161	60	State Highway Agency	Systemic	Roadway Departure	Road resurfacing to reduce fixed object crashes.
111133 - ATB SR 0307 03.21	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$70000	\$74770	HSIP (23 U.S.C. 148)	Urban	Minor Collector	4,944	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
111842 - HAM CR 101 13.63	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$35000	\$188441	HSIP (23 U.S.C. 148)	Urban	Minor Collector	0	0	City Municipal Highway Agency or	Spot	Intersections	Construct roundabout to reduce angle crashes
114811 - WAY CR 0054 08.33	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$125488	\$247458	HSIP (23 U.S.C. 148)	Urban	Minor Collector	4,140	45	County Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
109299 - ASD CR VAR GR FY2023	Roadside	Barrier- metal	1	County	\$152801	\$207399	Penalty Funds (23 U.S.C. 154)	Urban	Minor Collector	1,630	45	County Highway Agency	Systemic	Roadway Departure	Upgrade guardrails to reduce roadway departure crashes.

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105603 - MER CR VAR PM FY 2022	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$150000	\$150000	HSIP (23 U.S.C. 148)	Urban	Minor Collector	4,971	45	County Highway Agency	Systemic	Lane Departure	Upgrade pavement markings to reduce fixed object chrrashes.
110274 - WAS Marietta Signals/Fiber Ph. 2	Intersection traffic control	Modify traffic signal – modernization/replacement	31	Locations	\$24063	\$777500	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	31,017	45	City Municipal Highway Agency or	Systemic	Intersections	Intersection improvments to reduce intersection crashes
110898 - ERI SR 0004 04.65	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$111700	\$460065	Penalty Funds (23 U.S.C. 164)	Rural	Minor Arterial	12,697	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce rear end crashes
113744 - FRA-33-21.71 at Petzinger Rd	Intersection geometry	Innovative Intersection (e.g. MUT, RCUT, QR)	1	Intersections	\$459000	\$805062	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other Freeways & Expressways	45,562	60	State Highway Agency	Spot	Intersections	Intersection improvments with RCUT to reduce intersection crashes
115918 - ERPC Summary and Screening 2021	Miscellaneous	Transportation safety planning	1	Study	\$15656	\$31951	State and Local Funds	N/A	N/A	0	0	State Highway Agency	Study	Data	Crash summary report and priority location screening for ERPC
118388 - CLE SR 133 20.70	Pedestrians and bicyclists	Install new crosswalk	9	Locations	\$37425	\$37425	HSIP (23 U.S.C. 148)	Urban	Minor Collector	8,250	35	Town Township Highway Agency or	Systemic	Pedestrians	Upgrade existing pedestrian crosswalk pavement markings to reduce pedestrian crashes.
115063 - STW OH1 2022	Miscellaneous	Data analysis	1	Improvements	\$141980	\$283960	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Improvements	Data	Enhancements to OH1 Crash System.
118179 - MAD-42-20.66 (at CR32)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$700000	\$700000	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	6,746	55	State Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
108804 - WAS IR 77 0.000	Roadway delineation	Improve retroreflectivity	6.63	Miles	\$173709	\$309947	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Interstate	20,757	70	State Highway Agency	Systemic	Roadway Departure	Install wet reflective pavement markings to reduce rear end crashes
114328 - SCI-23/52-1.07/19.31	Intersection traffic control	Modify traffic signal – modernization/replacement	4	Intersections	\$24953	\$24953	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	14,967	55	City Municipal Highway Agency or	Spot	Intersections	Upgrade traffic signals to reduce intersection crashes.
113730 - FRA-CR172-0.75	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$669691	\$669691	HSIP (23 U.S.C. 148)	Urban	Minor Collector	11,072	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
109581 - FRA-317-1.46	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1261063	\$1401181	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	12,570	55	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.

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111796 - FRA-CR3-5.64	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$996729	\$1474000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	4,972	0	County Highway Agency	Spot	Intersections	Construct a roundabout to reduce intersection crashes.
109300 - ASD CR VAR GR FY2022	Roadside	Barrier- metal	1	County	\$299175	\$299175	HSIP (23 U.S.C. 148)	Rural	Minor Collector	350	45	County Highway Agency	Systemic	Roadway Departure	Upgrade/replace guardrails to reduce roadway departure crashes.
108642 - FRA-Cleveland Ave Ped Improve	Pedestrians and bicyclists	Pedestrian signal	1	Intersections	\$611814	\$611814	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	25,477	35	City or Municipal Highway Agency	Spot	Pedestrians	Upgrade pedestrian accommodations including crosswalks and pedestrian signals to reduce pedstrian crashes.
109111 - FRA-23-22.75 Signing	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Interchanges	\$58567	\$58567	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	80,176	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
105924 - LIC CR VAR PM FY2022	Roadway delineation	Longitudinal pavement markings - remarking	1	County	\$150000	\$150000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	7,391	45	County Highway Agency	Systemic	Lane Departure	Upgrade pavement markings to reduce fixed object chrashes.
107073 - HIG CR VAR Guardrail FY23	Roadside	Barrier- metal	1	County	\$292321	\$297585	Penalty Funds (23 U.S.C. 164)	Rural	Local Road or Street	140	0	County Highway Agency	Systemic	Roadway Departure	Upgrade/replace guardrails to reduce roadway departure crashes.
109523 - ERI SR 0004 10.66 Hayes Ave	Intersection traffic control	Modify traffic signal – modernization/replacement	1.1	Miles	\$722700	\$722700	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	10,011	35	City or Municipal Highway Agency	Systemic	Intersections	Intersection improvments to reduce intersection crashes
119574 - MAD-US42 & West Ave Sidewalks	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	Intersections	\$54900	\$71972	HSIP (23 U.S.C. 148)	Rural	Major Collector	0	35	City or Municipal Highway Agency	Spot	Pedestrians	Implement pedestrian safety improvement project to prevent pedestrian crashes.
89113 - SUM SR 91/US 224/Canton Road	Roadway	Roadway widening - add lane(s) along segment	0.85	Miles	\$440000	\$440000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	17,942	55	State Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.
109659 - FRA-70-20.29 (Courtright Rd.)	Pedestrians and bicyclists	Install sidewalk	0.25	Miles	\$4500	\$78599	HSIP (23 U.S.C. 148)	Urban	Minor Collector	11,465	0	State Highway Agency	Spot	Pedestrians	Install sidewalk to reduce pedestrian crashes
112869 - SUM East Ave (Tallmadge)	Roadway	Roadway widening - add lane(s) along segment	1.1	Miles	\$258413	\$258413	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	12,780	0	City or Municipal Highway Agency	Spot	Intersections	Expand lanes to reduce intersection crashes
92555 - HAM US 27 14.15	Roadway	Roadway widening - add lane(s) along segment	0.5	Miles	\$51000	\$188000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial- Other	40,318	60	State Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.



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102028 - MED SR 0018 15.99	Intersection traffic control	Modify traffic signal – modernization/replacement	6	Intersections	\$4620091	\$8173719	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other	26,917	55	State Highway Agency	Spot	Intersections	Upgrade existing signal hardware to reduce rear end crashes
108862 - VIN CR VAR GR FY21	Roadside	Barrier- metal	1	Locations	\$4286	\$191639	Penalty Funds (23 U.S.C. 164)	Rural	Major Collector	351	0	County Highway Agency	Systemic	Roadway Departure	Guardrail upgrades and installation to reduce fixed object crashes
113885 - MER-CR156-1.185	Roadway	Roadway widening - travel lanes	2	Miles	\$583794	\$648660	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	218	45	County Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.
107431 - MER CR 10 7.26 (Watkins Road)	Roadway	Pavement surface - other	1	Miles	\$440800	\$440800	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	262	45	County Highway Agency	Systemic	Roadway Departure	Widening the roadway to reduce fixed object crashes
114697 - HAM CR 457 14.97 Harrison Ave	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	1	Locations	\$229421	\$229421	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,959	25	City or Municipal Highway Agency	Systemic	Roadway Departure	Road diet to reduce intersection crashes
111657 - GRE-68-13.51	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$100000	\$376693	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	8,719	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
109089 - BUT CR 20 8.59 Tylersville Road	Roadway	Roadway widening - add lane(s) along segment	0.5	Miles	\$1786435	\$1832400	Penalty Funds (23 U.S.C. 164)	Urban	Minor Arterial	18,249	0	County Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.
113863 - KNO CR 14 14.40	Roadway	Roadway widening - travel lanes	2.62	Miles	\$219585	\$304585	HSIP (23 U.S.C. 148)	Rural	Major Collector	1,451	0	County Highway Agency	Systemic	Roadway Departure	Widen shoulders to reduce fixed object crashes
105181 - HAM Hauck Road Widening - Part 2	Roadway	Roadway widening - add lane(s) along segment	0.7	Miles	\$333900	\$333900	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	City or Municipal Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.
113850 - KNO SR 13 10.20	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$232101	\$232101	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	21,853	25	City or Municipal Highway Agency	Spot	Intersections	Intersection improvements including traffic signal replacement, pavement markings, and signing to reduce crashes.
106416 - POR SR 0043 18.65	Roadway	Roadway widening - add lane(s) along segment	1.1	Miles	\$1004778	\$5907982	Penalty Funds (23 U.S.C. 154)	Urban	Principal Arterial-Other	18,111	35	City or Municipal Highway Agency	Spot	Intersections	Construct two way left turn lane to reduce rear end crashes
113717 - WAR SR 73 3.66	Interchange design	Installation of new lane on ramp	3	Lanes	\$51947	\$69800	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	20,974	45	County Highway Agency	Spot	Intersections	Add lanes to reduce roadway departure crashes

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117117 - GUE VAR Safety FY 2024	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	1	County	\$11680	\$11680	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	6,894	45	County Highway Agency	Spot	Roadway Departure	Widen road to limit roadway departure crashes.
99197 - HIG-SR73/CR7-0.50/12.11 Safety	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$87650	\$108500	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	5,116	55	County Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
113721 - WAR SR 741 17.21	Intersection geometry	Innovative Intersection (e.g. MUT, RCUT, QR)	1	Intersections	\$85489	\$204960	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,867	50	County Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
113446 - MIA-SR-41-12.25	Intersection traffic control	Modify control – new traffic signal	1	Intersections	\$333850	\$333850	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	10,974	35	City Municipal Highway Agency or	Spot	Intersections	Install new traffic signal to reduce intersection crashes and congestion.
108640 - GRE US 42 3.15	Intersection geometry	Intersection geometry - other	1	Intersections	\$434486	\$516886	Penalty Funds (23 U.S.C. 164)	Rural	Minor Arterial	9,636	60	State Highway Agency	Spot	Intersections	Construct restricted crossing u turns to reduce speed related crashes
113715 - BUT CR 18 6.87	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$17838	\$71013	Penalty Funds (23 U.S.C. 164)	Urban	Minor Collector	9,387	45	County Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
106981 - WAR US 22 7.12	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$121229	\$1471496	Penalty Funds (23 U.S.C. 164)	Urban	Minor Collector	12,337	55	State Highway Agency	Spot	Intersections	Construct left turn lanes to reduce left turn, angle and rear end crashes
109351 - BUT US 27 1.85	Intersection geometry	Innovative Intersection (e.g. MUT, RCUT, QR)	3	Intersections	\$3116683	\$4077953	HSIP (23 U.S.C. 148)	Rural	Principal Arterial-Other	12,474	45	State Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
104864 - LOR SR 0113 03.75 Baumhart Sfty	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1345011	\$1574558	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	2,709	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
109641 - HEN SR 109 21.06 RRFB Libry Cntr	Pedestrians and bicyclists	Pedestrian signal	1	Intersections	\$48036	\$97182	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,672	35	State Highway Agency	Spot	Pedestrians	Improve pedestrian facilities to reduce pedestrian crashes
113712 - HAM CR 23 1.42	Pedestrians and bicyclists	Install sidewalk	1.03	Miles	\$106067	\$309658	Penalty Funds (23 U.S.C. 164)	Urban	Local Road or Street	0	0	City Municipal Highway Agency or	Systemic	Pedestrians	Install sidewalks to reduce pedestrian crashes
111179 - PER Industrial Rd OSRR	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Intersections	\$165133	\$165133	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes
111140 - MUS CR 408 Pleasant Valley CUOH	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Intersections	\$226110	\$226110	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signal to reduce train crashes

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113776 - MAH TAFT SRTS Lighting	Lighting	Continuous roadway lighting	1	Locations	\$28289	\$28289	HSIP (23 U.S.C. 148)	Urban	Minor Collector	1,336	25	City or Municipal Highway Agency	Spot	Pedestrians	Install lighting around school to reduce pedestrian crashes.
110589 - TRU US 0062 07.47	Intersection traffic control	Intersection traffic control - other	1	Intersections	\$96537	\$330625	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	10,649	55	State Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
111009 - ATB SR 0045 19.28	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$1385037	\$1434012	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	7,492	40	State Highway Agency	Spot	Intersections	Construct a Northbound and Southbound left turn lane at signal and extend 3rd lane north to reduce congestion and increase safety.
111011 - STA SR 0687 03.03	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders	1	Intersections	\$1046529	\$1860063	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	15,174	45	State Highway Agency	Spot	Intersections	Intersection improvements to increase safety and reduce congestion.
110379 - FRA-40-20.10 (at S-Hamilton Rd)	Intersection traffic control	Intersection traffic control - other	1	Intersections	\$70000	\$1410187	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	21,428	35	State Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
110797 - DEL-23-1.39 (at Powell Rd)	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$302517	\$310573	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	39,990	55	State Highway Agency	Spot	Intersections	Add right turn lanes to reduce intersection crashes
110862 - FAI CR 7 01.94	Intersection geometry	Intersection geometry - other	4	Intersections	\$375763	\$401531	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	0	0	County Highway Agency	Spot	Intersections	Intersection improvements at 4 locations to increase safety and reduce congestion.
113822 - STA SR 0043 20.20	Intersection traffic control	Modify control – new traffic signal	3	Intersections	\$46500	\$46500	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	10,973	45	State Highway Agency	Spot	Intersections	Construct turn lanes and rebuild signal to reduce intersection crashes.
107920 - POR US 0224 09.07	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	1	Intersections	\$24500	\$38201	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	4,116	55	State Highway Agency	Spot	Intersections	Reducing road to a standard 2-lane road, realignment to minimize skew at intersection and cul-de-sac construction to reduce intersection crashes.

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110388 - FRA SR 16 4.84 (at N-James Rd)	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$407361	\$407361	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	22,924	35	City or Municipal Highway Agency	Spot	Intersections	Constructing dual left lanes, a right lane in each direction, reconstructing existing signal, and installing median to reduce intersection crashes.
110412 - FAI SR 37 06.10	Intersection geometry	Add/modify auxiliary lanes	1.2	Miles	\$2842866	\$3137147	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	8,535	55	State Highway Agency	Spot	Intersections	Widening of the road leading up to the intersection and adding a left turn lane at each approach to reduce crashes and increase traffic flow.
103776 - BRO-52-19.99	Pedestrians and bicyclists	Pedestrians and bicyclists – other	0.09	Miles	\$14900	\$14900	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	6,291	35	City or Municipal Highway Agency	Systemic	Bicyclists	Finish bike path to reduce bike related crashes
109357 - CLE SR 28 1.76	Intersection geometry	Intersection geometry - other	1	Intersections	\$1608552	\$3986093	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	48,125	55	State Highway Agency	Spot	Intersections	Construct a superstreet intersection to reduce rear end and angle crashes
113314 - BUT Augspurger Rd NS	Railroad grade crossings	Active grade crossing equipment installation/upgrade	1	Intersections	\$101177	\$101177	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	Railroad	Spot	Intersections	Improve RR signage and installing traffic signal preemption to reduce train crashes
98408 - MAH SR 0007 03.58	Roadway	Pavement surface - other	7.68	Miles	\$1383	\$100914	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	18,613	45	State Highway Agency	Systemic	Roadway Departure	High friction surface treatment to reduce roadway departure crashes
110996 - CLI US 22 11.75 - Pt. 1	Intersection traffic control	Modify traffic signal – modernization/replacement	2	Intersections	\$1253054	\$9411582	State and Local Funds	Urban	Minor Arterial	9,771	50	City or Municipal Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
107076 - PIK CR4/VAR PM FY20	Roadway delineation	Longitudinal pavement markings - remarking	38.67	Miles	\$52780	\$52780	HSIP (23 U.S.C. 148)	Urban	Minor Collector	1,400	0	County Highway Agency	Systemic	Roadway Departure	Improve roadway surface to reduce fixed object crashes
114081 - D04 PM R-WR FY2022	Roadway delineation	Improve retroreflectivity	112.55	Miles	\$64025	\$2920001	State and Local Funds	Urban	Principal Arterial-Interstate	39,896	70	State Highway Agency	Systemic	Lane Departure	Restripe roadway to reduce fixed object crashes
109232 - MED SR 0003 15.05	Roadway	Pavement surface - other	2.79	Miles	\$195621	\$7958561	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	20,941	55	State Highway Agency	Systemic	Roadway Departure	Pavement replacement and lane modifications to reduce fixed object crashes.

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108639 - WAR SR 48 13.64	Pedestrians and bicyclists	Leading pedestrian interval	1	Intersections	\$581492	\$581492	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	18,123	35	City Municipal Highway Agency or	Spot	Pedestrians	Install intersection lighting, leading pedestrian intervals, high-visibility crosswalks and curb extensions to reduce pedestrian crashes.
114033 - D2 Safety Studies 2020	Miscellaneous	Transportation safety planning	1	Study	\$9000	\$10000	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	84,147	60	State Highway Agency	Study	Data	Safety study to understand how to reduce crashes
110428 - ALL SR 309 18.19/22.33	Intersection traffic control	Modify control – Modern Roundabout	2	Intersections	\$4384540	\$4744867	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	6,743	55	State Highway Agency	Spot	Intersections	Construct 2 roundabouts to reduce fixed object crashes
108619 - MOT SR 725 14.41	Intersection traffic control	Modify control – new traffic signal	1	Intersections	\$120000	\$1173084	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	29,189	50	State Highway Agency	Spot	Intersections	Install a traffic signal and sidewalk to increase safety and reduce congestion.
110472 - LOG-47/235-5.23/8.18	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$1000000	\$2707512	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,498	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
110484 - MOT-201-4.18	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$691245	\$698227	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	20,304	50	State Highway Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
116317 - HOL-62-24.70	Roadway signs and traffic control	Roadway signs and traffic control - other	0.3	Miles	\$7740	\$8527	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	10,180	55	State Highway Agency	Spot	Intersections	Purchase of advance LED warning and stop signs for 0.30 miles around an intersection to reduce intersection crashes.
115034 - CUY IR 480 05.40/10.54 RampClear	Interchange design	Installation of new lane on ramp	1	Lanes	\$71048	\$104613	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	111,158	60	State Highway Agency	Spot	Intersections	Construct a dedicated right turn lane on the ramp to reduce fixed object crashes.
110459 - BUT SR 122 10.33	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$67346	\$1030147	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	18,504	45	State Highway Agency	Spot	Intersections	Add lane to increase sight distance and reduce intersection crashes
111252 - HAM CR 617 2.59 Kirby & Bruce	Intersection traffic control	Modify control – two-way stop to all-way stop	1	Intersections	\$88442	\$119778	HSIP (23 U.S.C. 148)	Urban	Minor Collector	4,560	0	City Municipal Highway Agency or	Spot	Intersections	Realignment of the intersection and conversion to all way stop and
113708 - GRE SR 235 3.79	Intersection traffic control	Modify traffic signal –other	1	Intersections	\$271700	\$271700	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	3,192	55	State Highway Agency	Spot	Intersections	Rebuild traffic signal in reduce intersection crashes.

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102108 - ASD US 0030 00.11	Intersection geometry	Intersection geometry - other	1	Intersections	\$3170000	\$3572976	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,195	60	State Highway Agency	Spot	Intersections	Construct restricted crossing u turns to reduce angle crashes
113724 - GRE Yellow Spgs Multi-Modal FY23	Pedestrians and bicyclists	Pedestrians and bicyclists – other	0.76	Miles	\$79136	\$182615	HSIP (23 U.S.C. 148)	Rural	Minor Collector	6,159	25	Other Local Agency	Systemic	Bicyclists	Construct a Shared use path to reduce bike crashes
114006 - MED SR 0083 03.43	Intersection traffic control	Modify traffic signal –other	1	Intersections	\$10000	\$41233	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	4,745	35	Other Local Agency	Spot	Intersections	Improve intersection controls to reduce intersection crashes
110852 - CUY US 322 15.59 Safety	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$195094	\$571159	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other	15,007	45	Other Local Agency	Spot	Intersections	Intersection improvements to reduce intersection crashes
106339 - CLI CR 10 3.15 Clarksville Road	Roadside	Roadside - other	0.3	Miles	\$32689	\$32689	HSIP (23 U.S.C. 148)	Rural	Minor Collector	1,065	45	County Highway Agency	Systemic	Roadway Departure	Roadside improvements to reduce fixed object crashes
109958 - CLI CR 12 4.43 Antioch Road	Alignment	Horizontal and vertical alignment	0.5	Miles	\$24591	\$24591	HRRR Special Rule (23 U.S.C. 148(g)(1))	Rural	Minor Collector	1,987	45	County Highway Agency	Spot	Roadway Departure	Curve alignment project to reduce roadway departure crashes.
106338 - CLI CR 12 7.96 Antioch Road	Roadside	Roadside - other	0.63	Miles	\$993782	\$1052955	HSIP (23 U.S.C. 148)	Rural	Minor Collector	1,880	45	County Highway Agency	Systemic	Roadway Departure	Roadside improvements to reduce fixed object crashes
112038 - GRE SR 72 8.71	Roadway	Rumble strips – edge or shoulder	5.77	Miles	\$167617	\$500040	HSIP (23 U.S.C. 148)	Rural	Minor Collector	3,806	55	State Highway Agency	Systemic	Roadway Departure	Install centerline and edgeline rumble stripes to reduce fixed object crashes
109678 - CLI SR 350 4.20	Roadway	Pavement surface - other	3.71	Miles	\$28432	\$835981	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Minor Collector	2,486	55	State Highway Agency	Systemic	Roadway Departure	Surface treatment to reduce fixed object crashes
94174 - GRE SR 72 14.48	Roadway	Pavement surface - other	4.53	Miles	\$26184	\$2930709	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Minor Arterial	4,829	55	State Highway Agency	Systemic	Roadway Departure	Pavement replacement to reduce fixed object crashes.
95497 - MUS SR 60 14.61/17.93	Roadway	Pavement surface - other	1	County	\$76840	\$76840	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	23,090	55	State Highway Agency	Systemic	Roadway Departure	Surface treatment to reduce fixed object crashes
93013 - LIC IR 70 19.47	Roadway	Pavement surface – high friction surface	1	Locations	\$5000	\$8562421	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Principal Interstate	30,392	70	State Highway Agency	Systemic	Roadway Departure	High friction surface treatment to reduce roadway departure crashes

2024 Ohio 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
108240 - SUM Wooster Road West	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	1	Locations	\$829330	\$991040	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	13,066	0	City Municipal Highway Agency or	Systemic	Roadway Departure	Road diet to reduce intersection crashes
112921 - LAW-52-15.00 PV	Roadway	Pavement surface - other	3	Miles	\$196147	\$4134887	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other Freeways & Expressways	24,360	55	State Highway Agency	Systemic	Roadway Departure	Surface treatment to reduce fixed object crashes
107876 - HAN SR 12 0.00	Roadway	Pavement surface - other	11.96	Miles	\$2000	\$1820193	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Minor Collector	10,196	55	State Highway Agency	Systemic	Roadway Departure	Pavement replacement to reduce fixed object crashes.
107928 - DEF SR 66 7.82	Roadway	Pavement surface - other	7.72	Miles	\$6401	\$1506267	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Minor Collector	7,354	55	State Highway Agency	Systemic	Roadway Departure	Pavement replacement to reduce fixed object crashes.
94393 - ERI SR 0113 06.84	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	1.05	Miles	\$18053	\$168864	State and Local Funds	Urban	Minor Collector	7,296	55	State Highway Agency	Spot	Bicyclists	Widen shoulders to provide bike lanes
98462 - HUR US 0250 05.10	Roadway	Rumble strips – center	14.74	Miles	\$19552	\$246655	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Other	8,713	65	State Highway Agency	Systemic	Roadway Departure	Various roadway improvements to reduce fixed object crashes
104623 - DEL SR 61 4.71 (at Wilson Rd)	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$509108	\$2265638	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	5,511	55	State Highway Agency	Spot	Intersections	Roundabout to reduce angle crashes
108736 - CRA SR 0598 00.46 (Galion)	Roadway	Roadway widening - add lane(s) along segment	1	Intersections	\$1020000	\$4358393	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	10,000	55	City Municipal Highway Agency or	Spot	Intersections	Widen road to reduce fixed object crashes
109520 - TRU SR 0046 07.81	Interchange design	Interchange design - other	1	Interchanges	\$83602	\$572613	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	17,422	40	State Highway Agency	Spot	Intersections	Construct a diverging diamond interchange to reduce rear end and angle crashes
114646 - GRE Silvercreek Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$69757	\$69757	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
113873 - GEA Washington St/Haskins Signal	Intersection traffic control	Modify control – new traffic signal	1	Intersections	\$238657	\$238657	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	2,317	0	County Highway Agency	Spot	Intersections	Install a traffic signal to increase safety and reduce congestion.

2024 Ohio 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
111006 - CUY SR 175 08.59 Safety	Intersection traffic control	Modify traffic signal –other	1	Intersections	\$259079	\$469312	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	18,390	35	State Highway Agency	Spot	Intersections	Signal and striping improvements to reduce intersection crashes
112923 - HOC SR 664 15.650	Intersection traffic control	Modify traffic signal – modernization/replacement	1	Intersections	\$179872	\$699253	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	9,527	35	State Highway Agency	Spot	Intersections	Install a right turn lane, upgrade signal heads and upgrade detection to reduce crashes and improve congestion.
109838 - JAC-32-0.00	Roadway	Pavement surface - other	6.4	Miles	\$46480	\$2803803	Other Federal-aid Funds (i.e. STBG, NHPP)	Rural	Principal Arterial-Other	6,337	60	State Highway Agency	Systemic	Roadway Departure	Surface treatment to reduce fixed object crashes
115294 - STW 2022 CEAO Safety Studies	Miscellaneous	Transportation safety planning	1	Study	\$100000	\$670730	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Study	Data	Safety study to understand how to reduce crashes
113516 - STW 2021 CEAO Safety Studies	Miscellaneous	Transportation safety planning	1	Study	\$127378	\$789345	HSIP (23 U.S.C. 148)	N/A	N/A	0	0	State Highway Agency	Study	Data	Safety study to understand how to reduce crashes
109892 - STW Multi-Modal Design Guide	Miscellaneous	Miscellaneous - other	1	Design Guide	\$65183	\$72425	Penalty Funds (23 U.S.C. 164)	N/A	N/A	0	0	State Highway Agency	Design Guide	Design Guide	Develop a multi-modal design guide for ODOT's L&D manual.
100961 - MOT IR 70 6.71	Roadway	Pavement surface - other	3.7	Miles	\$354440	\$3806481	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Principal Arterial-Interstate	48,127	65	State Highway Agency	Systemic	Roadway Departure	Resurfacing to reduce fixed object crashes
115192 - ATB Lenox Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$9914	\$9937	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115193 - WYA Antrim Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$16200	\$17310	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115210 - DAR Twin Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$6500	\$6505	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115263 - TRU Farmington Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$13862	\$13881	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115147 - KNO Pleasant Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$33131	\$33131	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes



2024 Ohio 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
115161 - TRU Vienna Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$5200	\$5200	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115190 - RIC Sandusky Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$5900	\$5900	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115194 - HAR Roundhead Township Sign Gran	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$5633	\$5633	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115199 - COL Washington Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$12113	\$12113	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	231	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115213 - OTT Carroll Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$39141	\$39141	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	192	40	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115216 - FUL Dover Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$7385	\$7385	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	2,626	55	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115236 - LOR Camden Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$14000	\$14000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	272	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115245 - COS Lafayette Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$12336	\$12336	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115250 - HAN Cass Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$4892	\$4892	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	426	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115251 - HUR Richmond Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$5000	\$5000	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115252 - LAK Leroy Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$65500	\$65500	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	105	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115253 - MED Chatham Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$40900	\$40900	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	929	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115254 - RIC Perry Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$33600	\$33600	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	122	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115259 - DEL Radnor Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$3900	\$3900	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes

2024 Ohio 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
115119 - JEF Island Creek Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$35211	\$35211	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115222 - HUR Clarksfield Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$19729	\$20419	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115203 - JEF Smithfield Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$14850	\$14850	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	45	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
115189 - CLE Ohio Township Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$48270	\$48270	HSIP (23 U.S.C. 148)	Urban	Local Road or Street	0	0	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
114884 - SEN Bloom Twp Sign Grant	Roadway signs and traffic control	Roadway signs (including post) - new or updated	1	Township	\$8100	\$8100	HSIP (23 U.S.C. 148)	Rural	Local Road or Street	0	45	State Highway Agency	Spot	Roadway Departure	Install signage to reduce fixed object crashes
103293 - SUM CR 0017 16.51	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	Locations	\$219609	\$1194060	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	18,102	0	City Municipal Highway Agency or	Spot	Pedestrians	Construction of a shared use path to reduce pedestrian and bicycle crashes.
112504 - MIA-US36-11.56	Intersection traffic control	Intersection traffic control - other	0.8	Miles	\$178660	\$217420	Other Federal-aid Funds (i.e. STBG, NHPP)	Urban	Minor Arterial	12,811	40	City Municipal Highway Agency or	Systemic	Intersections	Intersection improvements to reduce intersection and pedestrian crashes
101005 - D01 PM FY21	Roadway	Restripe roadway to revise separation between opposing lanes and/or shoulder widths	1	Locations	\$700	\$49224	State and Local Funds	Urban	Principal Arterial-Interstate	42,418	70	State Highway Agency	Systemic	Lane Departure	Restripe roadway to reduce fixed object crashes
116318 - MAR-309-14.03	Intersection traffic control	Modify control – Modern Roundabout	1	Intersections	\$5000	\$5000	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	4,750	55	State Highway Agency	Spot	Intersections	Construct roundabout to reduce fixed object crashes
101909 - LIC CR VAR PM FY2021	Roadway delineation	Improve retroreflectivity	1	County	\$111630	\$111630	HSIP (23 U.S.C. 148)	Urban	Minor Collector	9,457	35	County Highway Agency	Systemic	Lane Departure	Restripe roadway to reduce fixed object crashes
102316 - DAR-CR VAR PM FY2021	Roadway delineation	Improve retroreflectivity	1	County	\$150000	\$150000	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	14,501	55	County Highway Agency	Systemic	Lane Departure	Restripe roadway to reduce fixed object crashes
107235 - TRU Warren Signal Upgrade	Pedestrians and bicyclists	Pedestrian signal	78	Signal heads	\$108840	\$1484602	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	16,253	40	City Municipal Highway Agency or	Systemic	Pedestrians	Install school zone flashers, replace pedestrian signals, install pedestrian signals and a HAWK to reduce pedestrian crashes.

2024 Ohio 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
110452 - D08 HSIP Signals	Intersection traffic control	Modify control – new traffic signal	5	Intersections	\$897000	\$960622	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Other	39,702	55	State Highway Agency	Spot	Intersections	Install traffic signals at 4 intersections and modify 1 existing signal to reduce crashes and improve congestion.
111202 - HAM US 127 9.67	Pedestrians and bicyclists	Pedestrians and bicyclists – other	1	Locations	\$343	\$6725	State and Local Funds	Urban	Principal Arterial-Other	20,896	25	City Municipal Highway Agency or	Systemic	Pedestrians	Various pedestrian improvements to reduce pedestrian crashes
109350 - CLI SR 73 2.66	Intersection geometry	Add/modify auxiliary lanes	1	Intersections	\$170000	\$430816	HSIP (23 U.S.C. 148)	Rural	Minor Arterial	8,185	55	State Highway Agency	Spot	Intersections	Add lane to reduce intersection crashes
112329 - SCI-SR 73-21.00 Safety	Intersection geometry	Add/modify auxiliary lanes	0.9	Miles	\$2012410	\$2036373	HSIP (23 U.S.C. 148)	Urban	Minor Collector	8,498	55	State Highway Agency	Spot	Intersections	Construct two way left turn lane to reduce rear end crashes
106239 - CUY IR 077 04.79/Wallings Road	Interchange design	Installation of new lane on ramp	6	Lanes	\$248129	\$272284	HSIP (23 U.S.C. 148)	Urban	Minor Arterial	12,946	0	City Municipal Highway Agency or	Spot	Intersections	Addition of multiple lanes on interchange ramps to increase traffic flow and safety.
110423 - BUT SR 4 10.83	Intersection geometry	Intersection realignment	1	Intersections	\$83309	\$1948122	Penalty Funds (23 U.S.C. 164)	Urban	Principal Arterial-Other	22,305	55	State Highway Agency	Spot	Intersections	Widening intersection to reduce intersection crashes
113797 - CUY IR 071/090 Wrong Way Signs	Advanced technology and ITS	Wrong-way Driving Detection System	24	Locations	\$102780	\$114200	HSIP (23 U.S.C. 148)	Urban	Principal Arterial-Interstate	141,592	60	State Highway Agency	Systemic	Lane Departure	Install wrong way signs at 24 locations to reduce wrong way crashes.

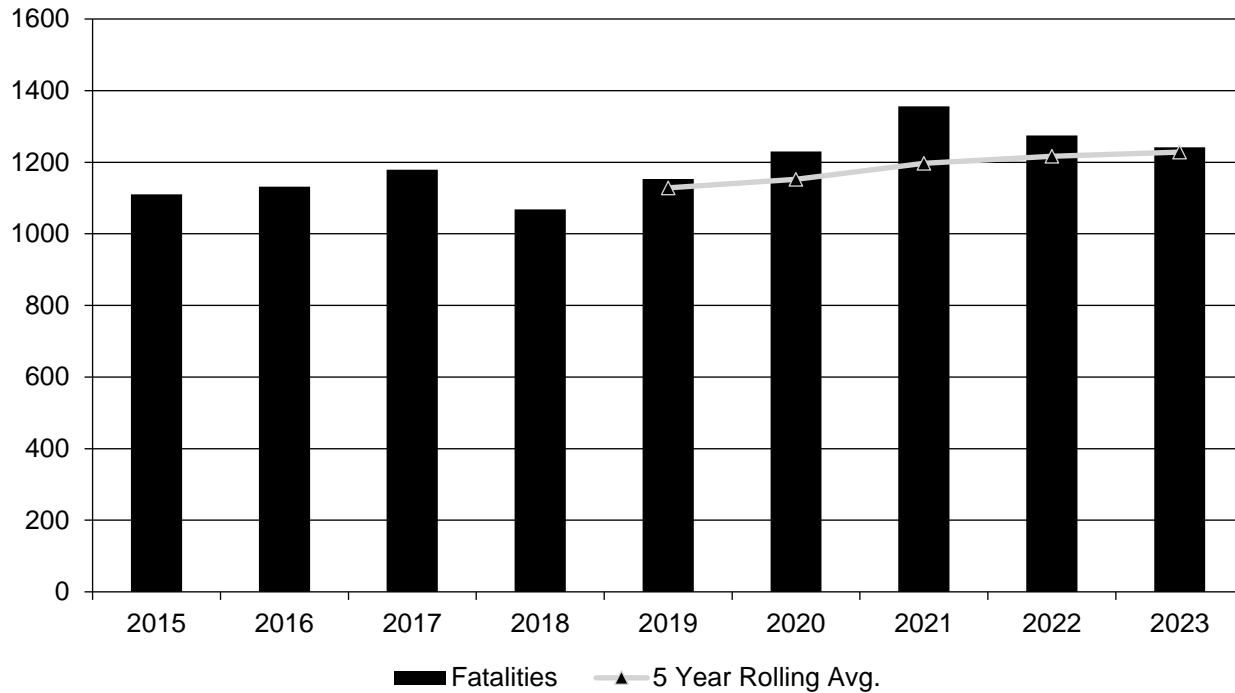
## Safety Performance

### *General Highway Safety Trends*

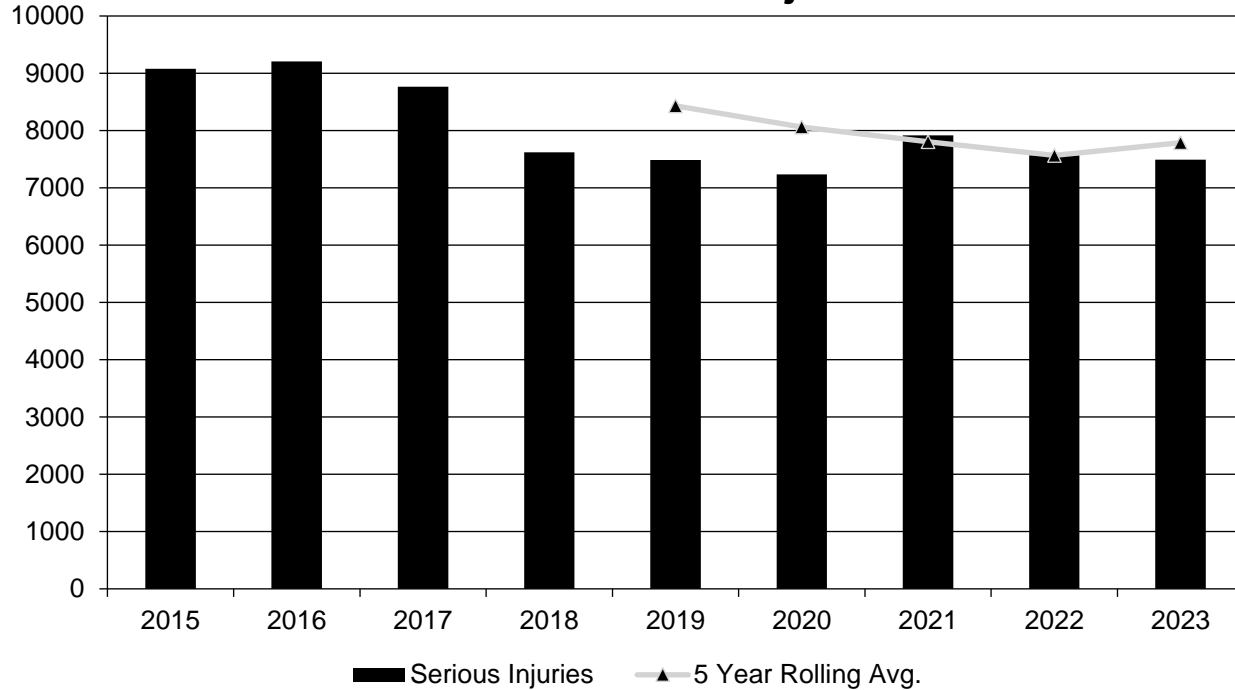
Present data showing the general highway safety trends in the State for the past five years.

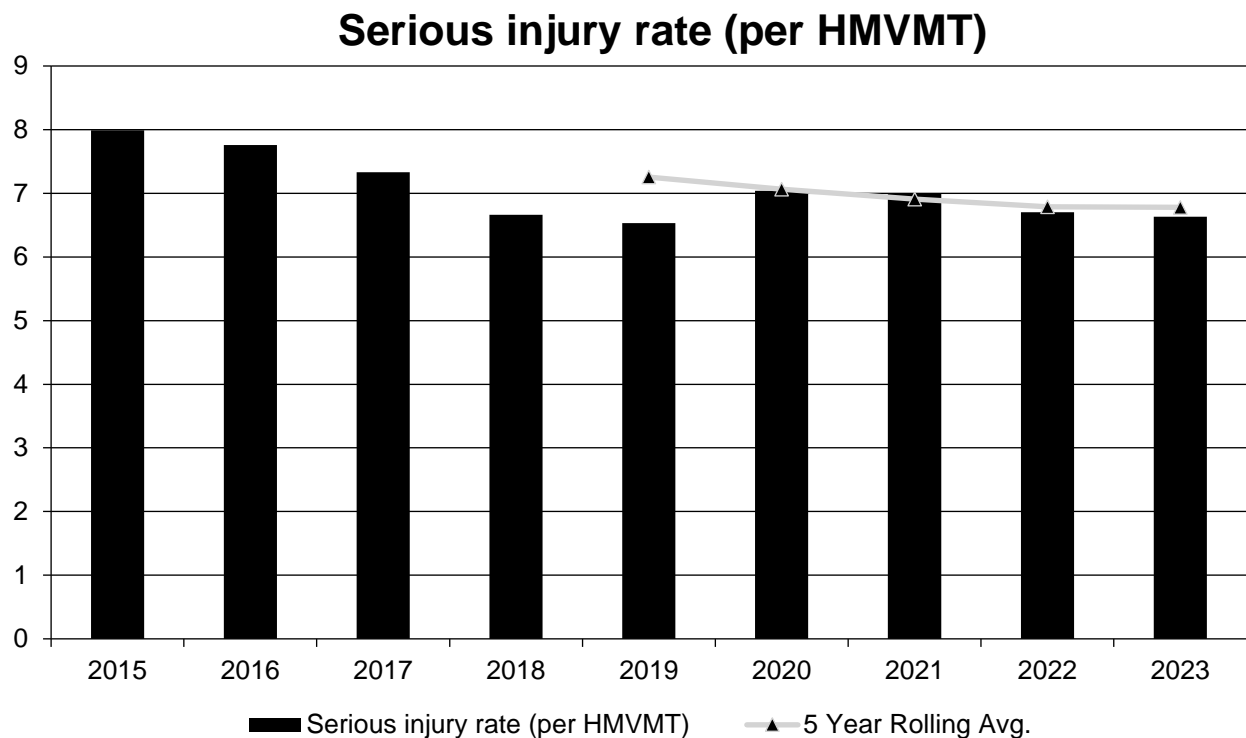
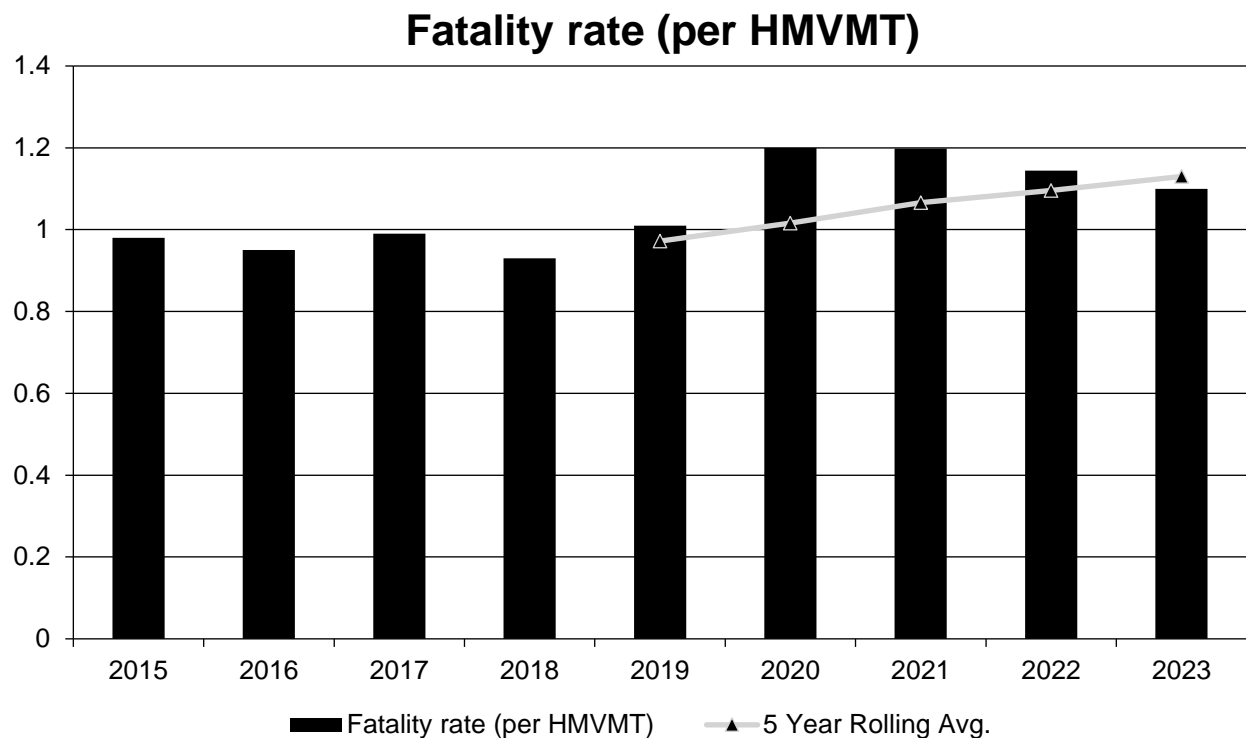
PERFORMANCE MEASURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fatalities	1,110	1,132	1,179	1,068	1,153	1,230	1,356	1,275	1,242
Serious Injuries	9,079	9,207	8,763	7,623	7,487	7,237	7,916	7,570	7,492
Fatality rate (per HMVMT)	0.980	0.950	0.990	0.930	1.010	1.200	1.198	1.144	1.100
Serious injury rate (per HMVMT)	7.990	7.760	7.330	6.660	6.530	7.040	6.995	6.703	6.634
Number non-motorized fatalities	143	159	163	155	153	182	204	172	174
Number of non-motorized serious injuries	700	725	726	675	635	625	682	681	694

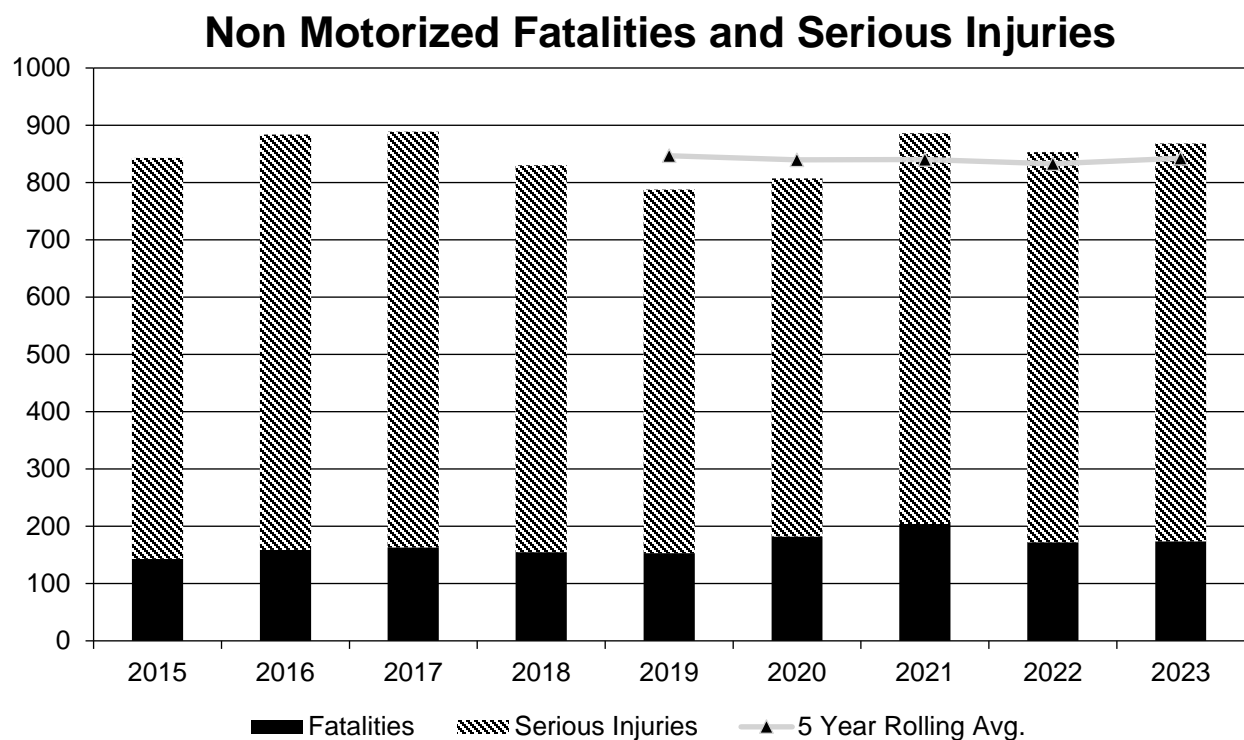
### Annual Fatalities



### Annual Serious Injuries







**Describe fatality data source.**

FARS

# 2024 Ohio 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	37.6	127.2	0.44	1.47
Rural Principal Arterial (RPA) - Other Freeways and Expressways	10	43	1.44	5.91
Rural Principal Arterial (RPA) - Other	60.2	252.2	1.35	5.62
Rural Minor Arterial	75.4	367.8	1.81	8.86
Rural Minor Collector	65.4	345.8	2.7	13.71
Rural Major Collector	144	728.8	2.19	11.25
Rural Local Road or Street	113.2	556.6	2.04	10.06
Urban Principal Arterial (UPA) - Interstate	112.6	563.6	0.47	2.35
Urban Principal Arterial (UPA) - Other Freeways and Expressways	31.4	178.2	0.5	2.81
Urban Principal Arterial (UPA) - Other	176.2	1,259	1.32	9.39
Urban Minor Arterial	180.2	1,303.4	1.37	9.9
Urban Minor Collector	28.4	183.6	1.39	7.37
Urban Major Collector	95.4	660.4	1.26	8.67
Urban Local Road or Street	114.4	805.2	1.06	7.45



## 2024 Ohio 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	513	2,540.6		
County Highway Agency	213.8	1,112.8		
Town or Township Highway Agency	77	404.4		
City or Municipal Highway Agency	425.8	3,302.2		
State Park, Forest, or Reservation Agency				
Local Park, Forest or Reservation Agency				
Other State Agency				
Other Local Agency				
Private (Other than Railroad)				
Railroad				
State Toll Authority				
Local Toll Authority				
Other Public Instrumentality (e.g. Airport, School, University)				
Indian Tribe Nation				

## ***Safety Performance Targets***

### **Safety Performance Targets**

#### **Calendar Year 2025 Targets \***

***Number of Fatalities:1180.0***

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

After reviewing historical crash trends and other factors, ODOT and ODPS have once again adopted a **2% percent annual reduction target across all five categories.**

Ohio has adopted these aggressive targets because the state is making a record level of investments in safety, totaling \$202M annually.

***Number of Serious Injuries:7482.0***

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

After reviewing historical crash trends and other factors, ODOT and ODPS have once again adopted a **2% percent annual reduction target across all five categories.**

Ohio has adopted these aggressive targets because the state is making a record level of investments in safety, totaling \$202M annually.

***Fatality Rate:1.080***

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

After reviewing historical crash trends and other factors, ODOT and ODPS have once again adopted a **2% percent annual reduction target across all five categories.**

Ohio has adopted these aggressive targets because the state is making a record level of investments in safety, totaling \$202M annually.

***Serious Injury Rate:6.510***

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

After reviewing historical crash trends and other factors, ODOT and ODPS have once again adopted a **2% percent annual reduction target across all five categories.**

Ohio has adopted these aggressive targets because the state is making a record level of investments in safety, totaling \$202M annually.

***Total Number of Non-Motorized Fatalities and Serious Injuries:809.0***

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

## 2024 Ohio Highway Safety Improvement Program

After reviewing historical crash trends and other factors, ODOT and ODPS have once again adopted a **2% percent annual reduction target across all five categories**.

Ohio has adopted these aggressive targets because the state is making a record level of investments in safety, totaling \$202M annually.

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

ODOT has established a replicable annual process to review the previous year's targets and establish new targets. This process is outlined in an annual letter to our partners, which includes the SHSP Steering Committee, The Ohio Department of Public Safety (HSP), MPOs and RTPOs. We also conduct meetings and discussions with various partners to set both state and regional targets for the year. ODOT has developed an automated spreadsheet tool that allows MPO's and RTPO's to analyze regional crash data and explore their own performance targets.

### **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	1150.0	1228.2
Number of Serious Injuries	7496.0	7790.5
Fatality Rate	1.040	1.130
Serious Injury Rate	6.630	6.780
Non-Motorized Fatalities and Serious Injuries	808.0	842.4

**Goals and Targets below are based on the five-year rolling average.**

#### **Number of Fatalities**

2023 Target: 1,150

2023 Actual: 1,228.2

State did not meet target.

#### **Number of Serious Injuries**

2023 Target: 7,496

2023 Actual: 7,790.5

State did not meet target.

## 2024 Ohio Highway Safety Improvement Program

### **Fatality Rate**

2023 Target: 1.040

2023 Actual: 1.130

State did not meet target.

### **Serious Injury Rate**

2023 Target: 6.630

2023 Actual: 6.780

State did not meet target

### **Number of non-motorized fatalities and serious injuries**

2023 Target: 808.0

2023 Actual: 842.4

State did not meet target.

### ***Applicability of Special Rules***

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

Yes

In FFY 2024, ODOT was subject to the High-Risk Rural Road (HRRR) Special Rule. While the rule required an obligation of \$5M in HSIP funds, ODOT is expected to obligate \$7-14M towards HRRR-focused projects by the end of the federal fiscal year.

#### **Does the VRU Safety Special Rule apply to the State for this reporting period?**

Yes

In FFY 2024, ODOT was subject to the Vulnerable Road User (VRU) Special Rule. Earlier this year, ODOT published the Vulnerable Road User Safety Assessment and will be updating it throughout FFY25 along with the Strategic Highway Safety Plan, which is due for an update by mid-November 2025. While the rule required an obligation of \$15M in HSIP funds, ODOT is expected to obligate \$20-26M towards VRU-focused projects by the end of the federal fiscal year.

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

<b>PERFORMANCE MEASURES</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Number of Older Driver and Pedestrian Fatalities	178	158	181	184	209	204	224
Number of Older Driver and Pedestrian Serious Injuries	821	772	711	652	733	760	848

## Evaluation

### *Program Effectiveness*

#### **How does the State measure effectiveness of the HSIP?**

- Benefit/Cost Ratio
- Change in fatalities and serious injuries

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

Ohio routinely evaluates crash trends, quarterly and annually, to determine the effectiveness of its Highway Safety Improvement Program. In 2023, Ohio had 1,242 traffic deaths, representing a 2.6% decrease and 7,492 serious injuries, representing a 1.0% decrease respectively compared to 2022.

ODOT conducts an annual evaluation of HSIP projects to estimate the benefits versus the cost. For projects constructed from 2016 through 2019, the estimated safety benefits were \$877 million with a cost of \$326 million (costs and benefits inflated to present value). The ratio of the safety benefits and project cost equates to a benefit-cost ratio of 2.69, thus showing a net benefit in safety projects.

We also track our statewide progress in implementing systematic safety treatments that target serious crash types and roadway features that can potentially increase the likelihood of crashes. This program element has been successful in reducing crashes based on the naïve before-and-after results for the different systematic treatments. In addition, we have increased our efforts to complete systematic projects on locally maintained roads by working with MPOs, County Engineers and LTAP to provide technical assistance and funding for local road safety improvements.

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

- # RSAs completed
- Increased awareness of safety and data-driven process
- Increased focus on local road safety
- More systemic programs

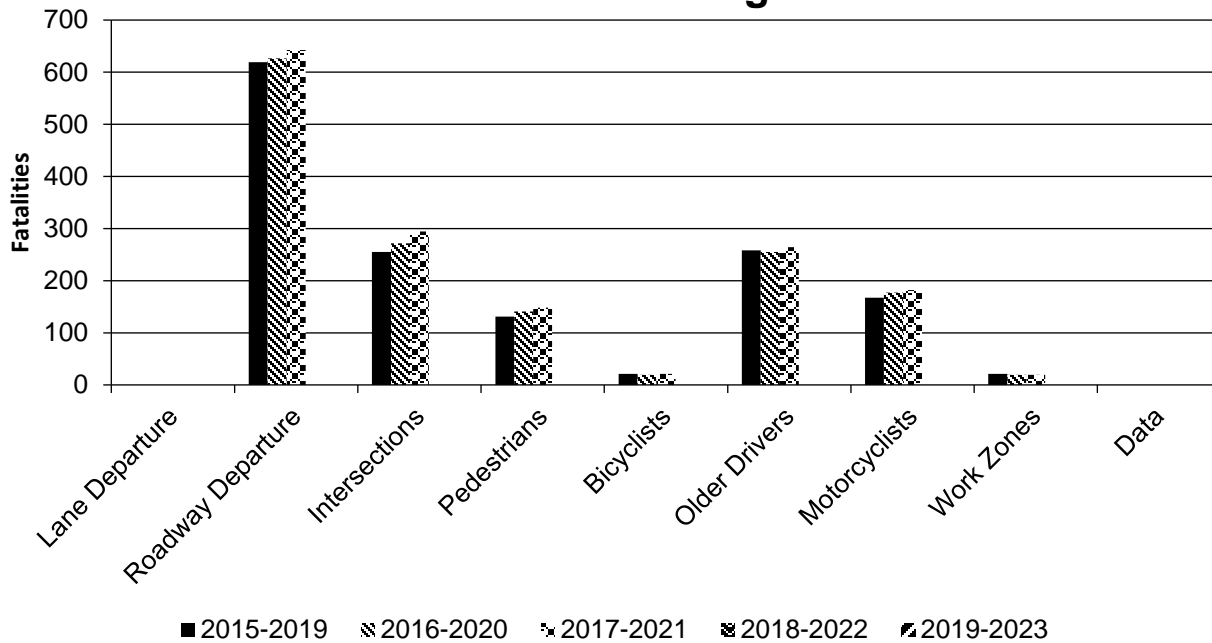
***Effectiveness of Groupings or Similar Types of Improvements***

**Present and describe trends in SHSP emphasis area performance measures.**

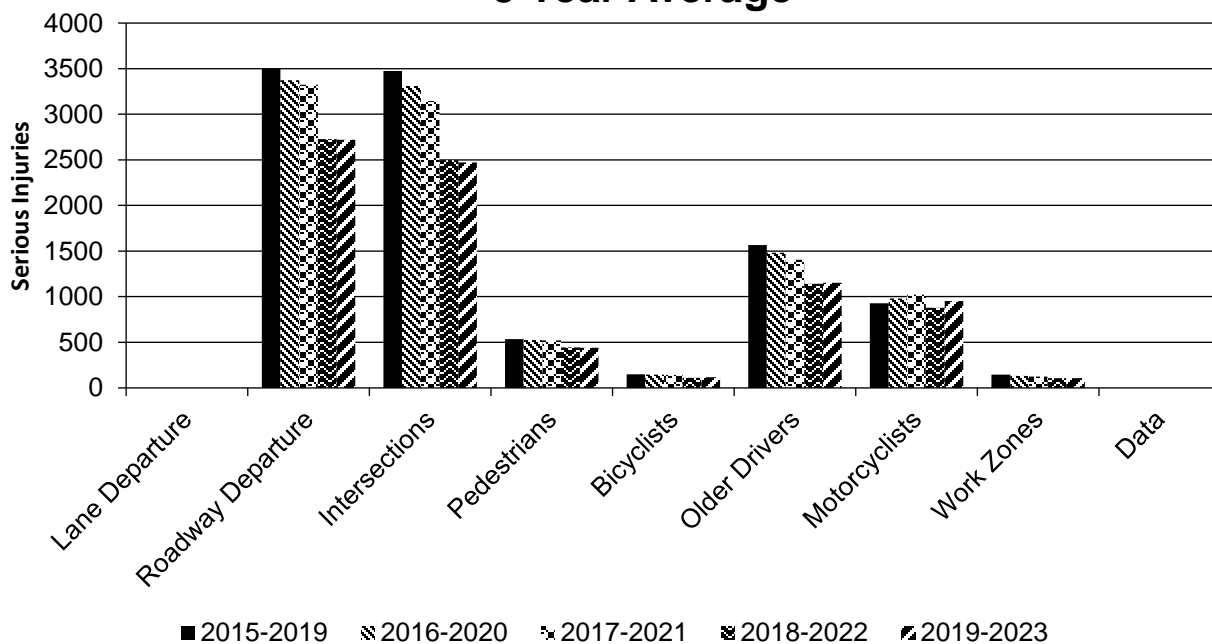
**Year 2023**

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)
Lane Departure			0	0	0
Roadway Departure			2,722.2	642.27	2.45
Intersections			2,471.6	604.44	2.24
Pedestrians			441.8	105.51	0.4
Bicyclists			117	30.42	0.11
Older Drivers			1,152.8	297.6	1.04
Motorcyclists			952.2	245.15	0.87
Work Zones			107	21.61	0.1
Data			0	0	0

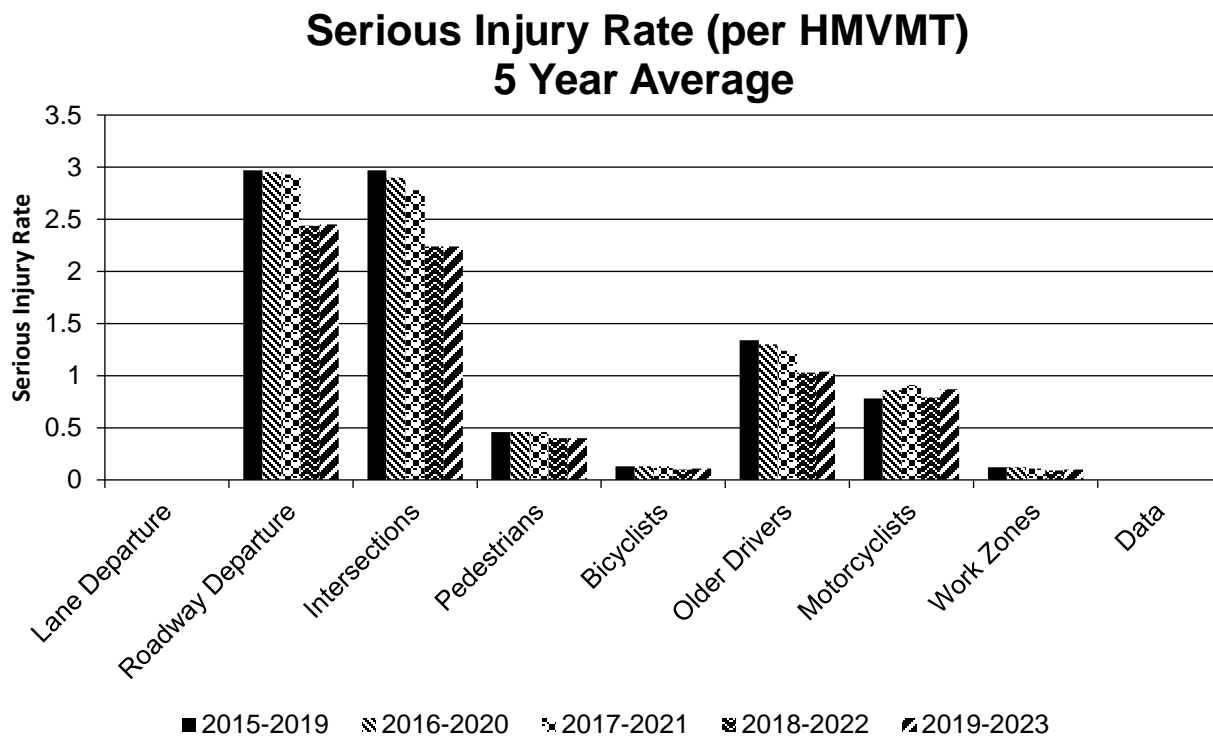
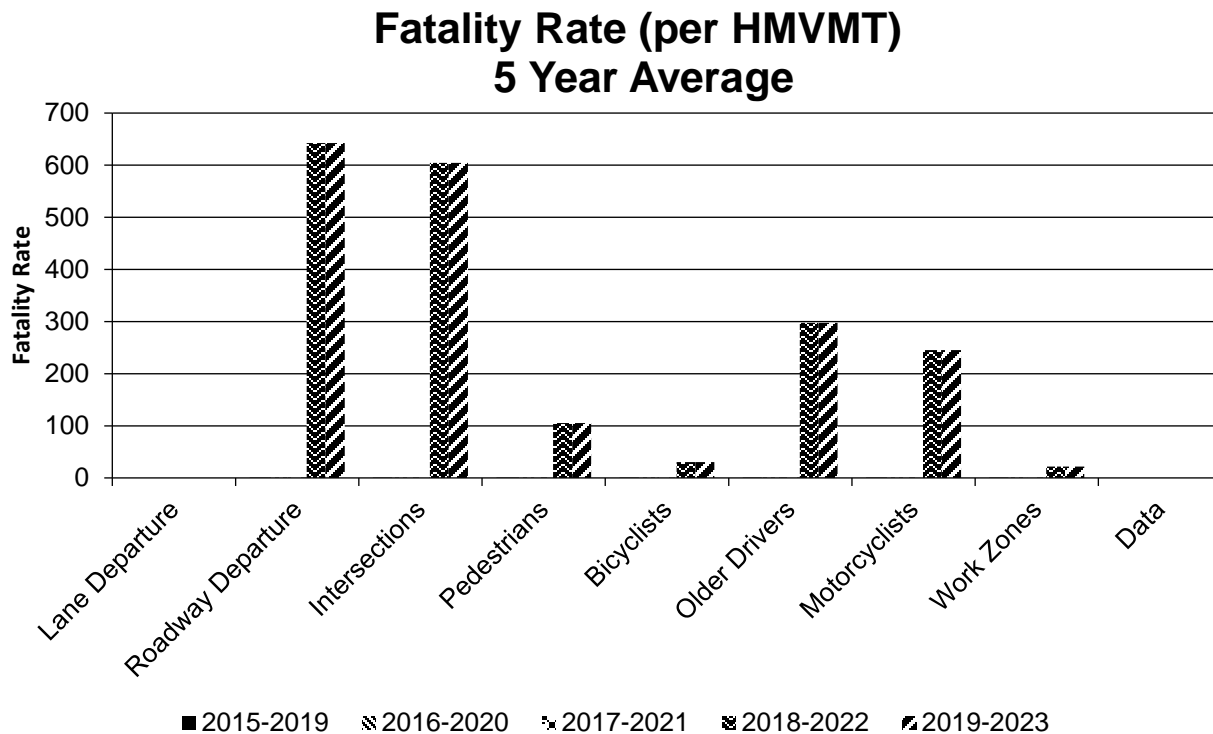
### Number of Fatalities 5 Year Average



### 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.**

<b>CounterMeasures:</b>	Safety Effectiveness of Roundabouts, RCUTs and Road Diets in Ohio
<b>Description:</b>	ODOT looked at completed construction projects of roundabouts, RCUTs and Road Diets though the state to compared before and after crash data.
<b>Target Crash Type:</b>	All
<b>Number of Installations:</b>	152
<b>Number of Installations:</b>	152
<b>Miles Treated:</b>	
<b>Years Before:</b>	3
<b>Years After:</b>	3
<b>Methodology:</b>	Simple before/after ODOT analyzed 50 constructed roundabouts, 6 constructed RCUTs and 6 constructed Road Diets to assess before and after crash data. Roundabout Analysis: Of the 50 roundabouts analyzed, 16 were rural single-lane, 2 were rural multilane, 24 were urban single-lane, and 8 were urban multilane. All roundabout types were found to have a reduction in injury crashes by at least 28% with most at 50% or more. Urban multilane roundabouts were the only site to see an increase in total number of crashes, but still saw a reduction in injury crashes. RCUT Analysis: The RCUTs all showed a reduction in total and injury crashes by 68% and 82%, respectively. The average across the 6 sites was a reduction of 60% total crashes and 76% injury crashes. Road Diet Analysis: The Road Diets all showed a reduction in total crashes, injury crashes and left turn/angle crashes by 12%, 3%, and 24%, respectively. Looking at time of day and speed differential, the largest reduction in speed was seen at noon.
<b>Results:</b>	
<b>File Name:</b>	Safety Effectiveness of Roundabouts, RCUTs & Road Diets in Ohio.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)
ALL IR 75 5.530	Urban Principal Arterial (UPA) - Interstate	Roadway	Roadway widening - add lane(s) along segment	140.00	70.00	1.00		7.00	6.00	44.00	15.00	192.00	91.00	0.28
ALL Shawnee Rd.	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	23.00	71.00					2.00	3.00	25.00	74.00	-0.46
MED IR 0076 07.61	Urban Principal Arterial (UPA) - Interstate	Roadway	Pavement surface - other	77.00	81.00			1.00	1.00	23.00	17.00	101.00	99.00	0.04
GRE IR 675 9.48	Urban Principal Arterial (UPA) - Interstate	Roadway	Roadway - other	271.00	205.00		1.00	2.00	4.00	69.00	70.00	342.00	280.00	-0.44
SUM Lauby Road	Urban Major Collector	Roadway	Roadway widening - travel lanes	7.00	13.00				1.00	2.00	9.00	9.00	23.00	-0.76
SUM State Road	Urban Minor Arterial	Roadway	Roadway widening - add lane(s) along segment	24.00	35.00			2.00	2.00	8.00	6.00	34.00	43.00	0
HOC US 33 0.00	Rural Principal Arterial (RPA) - Other	Roadway	Pavement surface - other	79.00	74.00	1.00	1.00	9.00	1.00	11.00	32.00	100.00	108.00	1.05
CUY MLK BOULEVARD	Urban Principal Arterial (UPA) - Other	Intersection geometry	Intersection geometry - other	40.00	185.00		1.00		3.00	13.00	67.00	53.00	256.00	-1.6
SCI-335-1.89	Rural Major Collector	Roadway	Pavement surface - other	24.00	19.00			1.00	1.00	6.00	10.00	31.00	30.00	-0.22
WAY SR 0585 02.75	Urban Minor Arterial	Roadway	Pavement surface - other	19.00	17.00					2.00	4.00	21.00	21.00	-0.06
ERI US 0250 01.92	Urban Principal Arterial (UPA) - Other	Intersection geometry	Intersection geometry - other	19.00	19.00					4.00	4.00	23.00	23.00	0.02
TUS SR 39 13.550	Urban Principal Arterial (UPA) - Other	Roadway	Roadway - other	49.00	33.00			2.00		15.00	5.00	66.00	38.00	2.02

2024 Ohio Highway Safety Improvement Program

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)
TRU US 0422 09.34	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	5.00	4.00					2.00	1.00	7.00	5.00	0.05
WAR US 22 4.20	Urban Principal Arterial (UPA) - Other	Roadside	Roadside grading		2.00								2.00	-0.07
FRA IR 270 10.160	Urban Minor Arterial	Interchange design	Interchange design - other	90.00	88.00		1.00	1.00	1.00	33.00	28.00	124.00	118.00	-0.56
SUM SR 8/82 20.27/0.14	Urban Minor Arterial	Roadway	Roadway - other	264.00	297.00			6.00	2.00	60.00	76.00	330.00	375.00	18.85
SUM Graham Road (Widening)	Urban Minor Arterial	Intersection geometry	Intersection geometry - other	148.00	159.00			5.00		51.00	46.00	204.00	205.00	0.51
MAH US 0224 13.64	Urban Principal Arterial (UPA) - Other	Intersection geometry	Intersection geometry - other	96.00	83.00			4.00	2.00	33.00	30.00	133.00	115.00	0.54
DEL SR 3 1.380/5.41	Urban Principal Arterial (UPA) - Other	Roadway	Pavement surface - other	162.00	132.00			4.00	7.00	45.00	43.00	211.00	182.00	2.16
LUC US 20 10.12 (Central/H-Syl)	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	21.00	12.00			1.00		7.00	3.00	29.00	15.00	0.24
HEN SR 108 16.10 Minor Widen	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	15.00	16.00			1.00		2.00	3.00	18.00	19.00	0.11
WAS SR 7 22.900 Green/7th ST	Urban Principal Arterial (UPA) - Other	Intersection geometry	Intersection geometry - other	14.00	15.00					3.00	1.00	17.00	16.00	0.1
SCI SR 139/335 0.52/10.30	Rural Major Collector	Roadway	Pavement surface - other	73.00	71.00			9.00	4.00	31.00	35.00	113.00	110.00	0.23
CLE SR 28 5.01	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	48.00	42.00			4.00	1.00	30.00	11.00	82.00	54.00	1.05
FRA CR 14 5.41	Urban Local Road or Street	Intersection geometry	Add/modify auxiliary lanes	2.00	4.00					3.00		5.00	4.00	0.05
WOO SR 18 10.53 Relocate	Rural Major Collector	Roadway	Roadway - other	2.00	2.00							2.00	2.00	0

2024 Ohio Highway Safety Improvement Program

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)
CUY US 042 00.00	Urban Principal Arterial (UPA) - Other	Roadway	Roadway widening - add lane(s) along segment	11.00	11.00					5.00	3.00	16.00	14.00	0.13
MOT SR 48 16.21	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal –other	135.00	193.00	2.00	2.00	6.00	17.00	82.00	135.00	225.00	347.00	-8.47
CAR SR 542 13.18	Rural Major Collector	Alignment	Horizontal curve realignment	1.00								1.00		0.03
LUC SR 246 2.00 Safety	Urban Principal Arterial (UPA) - Other	Roadway	Roadway widening - travel lanes	255.00	121.00	1.00		9.00	5.00	72.00	30.00	337.00	156.00	6.01
FRA SR 3 24.47 Sidewalks	Urban Minor Arterial	Pedestrians and bicyclists	Install sidewalk	274.00	276.00	1.00		13.00	5.00	109.00	115.00	397.00	396.00	3.66
HAM IR 71 12.44	Urban Principal Arterial (UPA) - Interstate	Interchange design	Interchange design - other	244.00	156.00				1.00	45.00	37.00	289.00	194.00	2.27
WAR US 22 4.64	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	62.00	24.00			2.00		14.00	4.00	78.00	28.00	3.67
BUT SR 748 3.35	Rural Minor Collector	Intersection traffic control	Modify control – Modern Roundabout	1.00	1.00					4.00		5.00	1.00	1.08
FRA RAMP METER UPGRADE	Urban Principal Arterial (UPA) - Interstate	Interchange design	Interchange improvements	4285.00	4620.00	16.00	14.00	109.00	108.00	1435.00	1821.00	5845.00	6563.00	14.38
D05 FY2014 Signal Upgrade	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders	49.00	27.00	1.00	1.00	3.00	2.00	11.00	15.00	64.00	45.00	0.9
GRE CR 36 0.27	Urban Minor Arterial	Intersection geometry	Intersection geometry - other	21.00	59.00					2.00	12.00	23.00	71.00	-12.63
OTT SR 53 4.90 Safety Improv	Urban Minor Arterial	Intersection geometry	Intersection geometry - other	8.00	8.00			1.00	1.00	3.00	3.00	12.00	12.00	0.49
CUY SR 252 04.11 HSP	Urban Principal Arterial (UPA) - Other	Roadway	Roadway widening - travel lanes	130.00	115.00			2.00	1.00	34.00	26.00	166.00	142.00	5.63

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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)
ATB/TRU TSG FT2015 (UPS)	Urban Major Collector	Intersection traffic control	Modify traffic signal –other	770.00	969.00	5.00		21.00	21.00	301.00	334.00	1097.00	1324.00	44.8
MAR CR 221-A1	Urban Minor Arterial	Alignment	Alignment - other	5.00	4.00				1.00	3.00	2.00	8.00	7.00	-0.18
LUC US 20 10.65 Safety	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Intersection signing –other	23.00	11.00			1.00		9.00	3.00	33.00	14.00	6.46
BRO US 68 30.72 Safety	Rural Principal Arterial (RPA) - Other	Intersection geometry	Add/modify auxiliary lanes	20.00	24.00	1.00				6.00	5.00	27.00	29.00	2.85
FRA IR 70/Hilliard Rome Int	Urban Principal Arterial (UPA) - Other	Interchange design	Interchange design - other	42.00	56.00			1.00	2.00	14.00	22.00	57.00	80.00	-0.66
D08 GR FY2014/2015	Urban Principal Arterial (UPA) - Other	Roadside	Barrier- metal	1020.00	822.00	3.00	3.00	23.00	20.00	299.00	258.00	1345.00	1103.00	7.07
LOR Chester Road at SR 611	Urban Local Road or Street	Alignment	Alignment - other	10.00	6.00					2.00	6.00	12.00	12.00	-0.15
WAR CR 23 0.26	Urban Local Road or Street	Intersection geometry	Add/modify auxiliary lanes	9.00	5.00			1.00		3.00		13.00	5.00	1.84
CUY IR 480 11.60 Interchange	Urban Principal Arterial (UPA) - Interstate	Interchange design	Interchange design - other	11.00	11.00			1.00		6.00	4.00	18.00	15.00	0.72
D04 GR FY2015A	Urban Principal Arterial (UPA) - Interstate	Roadside	Barrier- metal	422.00	469.00	2.00		8.00	7.00	58.00	99.00	490.00	575.00	19.54
FRA CR11 (ALKIRE RD) AT DEMOREST	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	21.00	14.00				1.00	3.00	5.00	24.00	20.00	-0.37
STA US 0062 38.04/39.50 Signals	Urban Minor Arterial	Intersection traffic control	Modify traffic signal –other	23.00	24.00			1.00	1.00	10.00	3.00	34.00	28.00	3.66
BUT US 127 0.00	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	22.00	28.00					5.00	7.00	27.00	35.00	-0.68

2024 Ohio Highway Safety Improvement Program

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)
WOO 280/420 0.00/2.60 Safty Impr	Rural Principal Arterial (RPA) - Other	Interchange design	Interchange design - other	26.00	9.00				1.00	8.00	3.00	34.00	13.00	0.95
HAM/BUT-75-17.22/0.00	Urban Principal Arterial (UPA) - Interstate	Interchange design	Acceleration / deceleration / merge lane	53.00	62.00		1.00		2.00	18.00	28.00	71.00	93.00	-9.82
MOT US 35 10.32	Urban Principal Arterial (UPA) - Other Freeways and Expressways	Roadside	Barrier – concrete	71.00	48.00	1.00	1.00	6.00	3.00	35.00	20.00	113.00	72.00	10.42
LIC TR 35 00.00	Rural Local Road or Street	Roadway	Pavement surface – high friction surface	4.00	6.00		1.00	2.00	1.00	2.00	1.00	8.00	9.00	-9.91
MED SR 0094 14.61 (I-271 Ramp)	Rural Major Collector	Intersection traffic control	Intersection traffic control - other		1.00						1.00		2.00	-1.23
FRA-Cosgray Rd RRFB	Urban Minor Arterial	Pedestrians and bicyclists	Pedestrian beacons											0
GRE US 35 5.04/6.24	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal –other	42.00	44.00	1.00			4.00	14.00	25.00	57.00	73.00	8.14
WAR Lebanon Ped Improvements	Urban Principal Arterial (UPA) - Other	Pedestrians and bicyclists	Install new crosswalk	18.00	7.00					2.00	1.00	20.00	8.00	2.44
LUC US 24 21.47 Detroit@Glendale	Urban Minor Arterial	Intersection traffic control	Modify traffic signal –other	1.00						1.00		2.00		0.99
CUY IR 090 00.00	Urban Principal Arterial (UPA) - Interstate	Roadway	Pavement surface - other	188.00	124.00			8.00	9.00	70.00	45.00	266.00	178.00	1.93
STA SR 0800 07.05	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	26.00	28.00					28.00	10.00	54.00	38.00	0.23
PIC US 23 0.00 Part 1 & 2	Rural Principal Arterial (RPA) - Other	Roadside	Barrier- metal	305.00	328.00	4.00	4.00	19.00	17.00	89.00	111.00	417.00	460.00	1.08

2024 Ohio Highway Safety Improvement Program

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)
ATB US 0020 13.78	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	92.00	68.00			6.00	5.00	47.00	36.00	145.00	109.00	0.48
POR SR 0014 12.55	Urban Principal Arterial (UPA) - Other	Intersection geometry	Intersection realignment	69.00	75.00			2.00		24.00	32.00	95.00	107.00	-0.23
DEL US 23 8.770	Urban Principal Arterial (UPA) - Other	Intersection geometry	Intersection realignment	30.00	28.00					10.00	17.00	40.00	45.00	-0.12
FRA US 33 26.120	Urban Principal Arterial (UPA) - Other Freeways and Expressways	Intersection geometry	Intersection geometry - other	165.00	191.00	2.00		2.00	2.00	61.00	50.00	230.00	243.00	7.94
SUM SR 0082 04.65	Urban Minor Arterial	Roadway	Roadway widening - add lane(s) along segment	81.00	62.00			2.00	2.00	25.00	11.00	108.00	75.00	1.15
ALL SR 117/501- 10.76/4.34	Urban Major Collector	Intersection geometry	Intersection geometry - other	14.00	6.00			2.00	3.00	9.00	9.00	25.00	18.00	-0.19
ERI US 0250 01.14	Urban Major Collector	Access management	Change in access - close or restrict existing access	65.00	30.00	1.00		3.00		15.00	8.00	84.00	38.00	2.83
FRA SR 710 3.760	Urban Major Collector	Intersection traffic control	Modify traffic signal – modernization/replacement	36.00	23.00			1.00		12.00		49.00	23.00	0.29
FRA US 23 10.83 Part 1&2	Urban Major Collector	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	783.00	471.00	2.00	2.00	15.00	6.00	184.00	178.00	984.00	657.00	4.82
SUM 31st Street (CR17)	Urban Major Collector	Intersection geometry	Add/modify auxiliary lanes	24.00	13.00			6.00		4.00	2.00	34.00	15.00	1.13
DEL SR 750 1.230	Urban Major Collector	Roadway	Roadway widening - add lane(s) along segment	32.00	33.00					8.00	13.00	40.00	46.00	-0.14
CLA CR 316 1.71 Lower Valley Pk	Urban Major Collector	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	27.00	25.00	1.00		1.00	1.00	18.00	10.00	47.00	36.00	0.81
ASD US 0042 07.75	Urban Major Collector	Intersection geometry	Intersection geometry - other	56.00	59.00			3.00	5.00	24.00	19.00	83.00	83.00	-0.02
MOT SR 741 5.80	Urban Major Collector	Pedestrians and bicyclists	Install sidewalk	67.00	67.00	1.00	1.00	7.00	4.00	37.00	32.00	112.00	104.00	1.48



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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)
CUY IR 090 14.08 Safety	Urban Principal Arterial (UPA) - Interstate	Roadway	Roadway widening - add lane(s) along segment	163.00	108.00			2.00	4.00	25.00	52.00	190.00	164.00	-0.19
LAW SR 243 17.83	Urban Principal Arterial (UPA) - Interstate	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	3.00						3.00		6.00		0.64
LUC US 20 0.00 Resurf	Urban Principal Arterial (UPA) - Interstate	Intersection geometry	Add/modify auxiliary lanes	78.00	97.00	4.00	3.00	8.00	4.00	29.00	30.00	119.00	134.00	1.8
FAI SR 256 00.00 Part 1 & 2	Urban Principal Arterial (UPA) - Interstate	Intersection traffic control	Modify traffic signal – modernization/replacement	753.00	668.00		1.00	8.00	9.00	128.00	118.00	889.00	796.00	0.13
BUT SR 4 3.00	Urban Principal Arterial (UPA) - Interstate	Intersection geometry	Add/modify auxiliary lanes	109.00	109.00			5.00	4.00	34.00	40.00	148.00	153.00	-1.02
HAM US 27 14.15	Urban Principal Arterial (UPA) - Other	Roadway	Roadway widening - add lane(s) along segment	140.00	110.00			4.00	6.00	29.00	25.00	173.00	141.00	2.19
HAM US 127 10.07	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	47.00	53.00			1.00	1.00	20.00	8.00	68.00	62.00	4.09
ERI SR 0004 08.60	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	31.00	25.00			1.00	1.00	13.00	12.00	45.00	38.00	-0.19
LUC US20A 5.56 Roundabt @ Eber	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	7.00	10.00			1.00		2.00	3.00	10.00	13.00	0.61
LAK US 020 25.52 Intersection	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	20.00	6.00	1.00		1.00	1.00	7.00	7.00	29.00	14.00	4.04
WAY SR 0083 15.86	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	15.00	2.00					7.00	1.00	22.00	3.00	1.23
LUC SR 2 10.67/11.71 Intersection	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	148.00	54.00			4.00		61.00	21.00	213.00	75.00	2.76
SHE SR 47 13.74	Urban Minor Arterial	Intersection geometry	Intersection realignment	173.00	160.00		2.00	1.00	3.00	50.00	29.00	224.00	194.00	-8.43
LUC SR 25 7.01 Reconstr/Sfty	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	136.00	169.00	1.00	1.00	3.00		55.00	53.00	195.00	223.00	0.16

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WOO SR 199 27.97 Roundabout	Urban Arterial	Minor	Intersection traffic control	Modify control – Modern Roundabout	8.00	8.00			2.00		6.00		16.00	8.00	2.06
TRU Howland Township SRTS	Urban Arterial	Minor	Intersection traffic control	Modify traffic signal – modernization/replacement	17.00	19.00			1.00		5.00		23.00	19.00	1.66
WAS SR 32 9.41	Urban Arterial	Minor	Intersection traffic control	Modify traffic signal – modernization/replacement	48.00	31.00			1.00		14.00	3.00	63.00	34.00	1.3
TUS US 250 5.16	Urban Arterial	Minor	Intersection traffic control	Modify traffic signal – modernization/replacement	3.00	11.00					1.00	4.00	4.00	15.00	-0.59
LOR SR 0018 06.41 (Signal)	Urban Arterial	Minor	Intersection traffic control	Modify traffic signal – modernization/replacement	7.00	5.00						1.00	7.00	6.00	-0.21
COL SR 164 20.080	Urban Arterial	Minor	Alignment	Horizontal and vertical alignment	6.00	1.00			2.00		2.00	6.00	10.00	7.00	3.11
FRA-Pedestrian Hybrid Beacons	Urban Arterial	Minor	Pedestrians and bicyclists	Pedestrian hybrid beacon	12.00	5.00					6.00	3.00	18.00	8.00	1.81
HOL US 62 18.640	Urban Arterial	Minor	Intersection geometry	Intersection geometry - other	18.00	14.00			1.00	1.00	12.00	5.00	31.00	20.00	3.2
VIN US 50 17.440	Urban Arterial	Minor	Intersection geometry	Add/modify auxiliary lanes	5.00	3.00					2.00	1.00	7.00	4.00	0.37
D06 Regional Signals	Urban Arterial	Minor	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders	1.00	2.00					1.00		2.00	2.00	0.5
BEL SR 7 18.070	Urban Arterial	Minor	Intersection geometry	Add/modify auxiliary lanes	11.00	14.00				1.00	4.00	3.00	15.00	18.00	-0.36
D08 Wet Crash Locations	Urban Arterial	Minor	Roadway	Pavement surface – high friction surface	142.00	93.00			1.00	1.00	40.00	18.00	183.00	112.00	3.57
LIC US 62 14.72	Urban Arterial	Minor	Intersection geometry	Add/modify auxiliary lanes	8.00	4.00	1.00		3.00		4.00	1.00	16.00	5.00	7.97
SUM 77/21 22.20/4.88/VAR	Urban Principal Arterial (UPA) - Interstate		Intersection geometry	Intersection geometry - other	34.00	14.00					9.00	2.00	43.00	16.00	1.58
MUS PM 2016	Urban Principal Arterial (UPA) - Interstate		Roadway delineation	Longitudinal pavement markings – new	74.00	46.00				2.00	37.00	20.00	111.00	68.00	41.79
HOL US 62 26.06	Rural Arterial	Minor	Intersection geometry	Add/modify auxiliary lanes	42.00	18.00					3.00	1.00	45.00	19.00	0.19

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ATB IR 0090 07.56	Rural Principal Arterial (RPA) - Interstate	Roadway	Pavement surface - other	31.00	45.00		1.00		3.00	13.00	6.00	44.00	55.00	-0.08
FAI US 33 05.60(Carroll Area)	Rural Principal Arterial (RPA) - Other Freeways and Expressways	Interchange design	Convert at-grade intersection to interchange	4.00					1.00			4.00	1.00	-0.02
SUM SR 0018 00.00	Urban Principal Arterial (UPA) - Other	Roadway	Roadway widening - travel lanes	645.00	528.00	3.00	1.00	17.00	8.00	157.00	150.00	822.00	687.00	10.01
LOR SR 0254 00.01	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	29.00	14.00	1.00		2.00		7.00	5.00	39.00	19.00	1.01
FRA IR 270 31.70 Part 1&2	Urban Principal Arterial (UPA) - Interstate	Interchange design	Installation of new lane on ramp	774.00	463.00	2.00	4.00	22.00	20.00	245.00	217.00	1043.00	704.00	-0.75
SUM Cleve-Mass Road Phase 1	Urban Minor Arterial	Roadway	Roadway widening - travel lanes	12.00	20.00					5.00	1.00	17.00	21.00	0.4
SUM SR 0091 21.11	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify control – Modern Roundabout	16.00	10.00			2.00		2.00	4.00	20.00	14.00	0.29
FRA US 23 10.83 Part 1&2	Urban Principal Arterial (UPA) - Other	Roadway	Roadway narrowing (road diet, roadway reconfiguration)	880.00	547.00	5.00	4.00	21.00	12.00	223.00	220.00	1129.00	783.00	4.03
D08 TSG FY2015	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal – modernization/replacement	5837.00	4601.00	12.00	12.00	145.00	120.00	1798.00	1562.00	7792.00	6295.00	85.18
BEL SR 7 (20.84)(21.85)	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	12.00	22.00			1.00		5.00	7.00	18.00	29.00	-0.09
FUL 20A/64 23.94/0.25 Resurf	Rural Minor Arterial	Roadway	Pavement surface - other	28.00	39.00	1.00		1.00	2.00	10.00	9.00	40.00	50.00	1.27
STA SR 44/62/619 VAR	Urban Principal Arterial (UPA) - Other	Roadway	Pavement surface - other	17.00	35.00			1.00	1.00	9.00	16.00	27.00	52.00	-0.89

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HAM SR 264 8.49	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	61.00	34.00		1.00	4.00	1.00	21.00	12.00	86.00	48.00	-1.06
STA Beeson/Freshley Roundabout	Rural Minor Collector	Intersection traffic control	Modify control – Modern Roundabout	2.00	4.00							2.00	4.00	-0.12
HAM US 27 11.49	Urban Principal Arterial (UPA) - Other	Roadway	Pavement surface - other	968.00	804.00			24.00	17.00	253.00	209.00	1245.00	1030.00	6.05
MOT SR 741 0.76	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	79.00	28.00					21.00	11.00	100.00	39.00	2.9
CUY IR 077/SR 082 02.82/11.59	Urban Principal Arterial (UPA) - Interstate	Intersection traffic control	Modify traffic signal – modernization/replacement	73.00	128.00			3.00	1.00	25.00	20.00	101.00	149.00	0.16
MED SR 0057 17.67	Urban Major Collector	Intersection traffic control	Modify control – Modern Roundabout	3.00	4.00			1.00		2.00	1.00	6.00	5.00	0.53
WOO US 20 4.63 Resurf/Bridge	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	75.00	56.00	1.00	1.00	11.00	3.00	38.00	15.00	125.00	75.00	2.29
RIC SR 0097 06.01	Urban Major Collector	Roadway	Roadway widening - travel lanes	31.00	19.00					4.00	7.00	35.00	26.00	-0.09
SCI SR 140 7.20 Safety	Rural Major Collector	Shoulder treatments	Widen shoulder – paved or other (includes add shoulder)	2.00	2.00			1.00	1.00	2.00	1.00	5.00	4.00	0.09
D08 Signals with ROW	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify control – Modern Roundabout	344.00	193.00		1.00	4.00	4.00	86.00	58.00	434.00	256.00	1.15
MEG SR 7 5.240	Rural Principal Arterial (RPA) - Other	Intersection geometry	Add/modify auxiliary lanes	12.00	6.00	1.00	1.00			6.00	8.00	19.00	15.00	-0.48
DEL Gemini Parkway Ext	Urban Minor Arterial	Roadway	Roadway widening - add lane(s) along segment											0
WOO Rossford SRTS Sdwlk/Sign	Urban Major Collector	Pedestrians and bicyclists	Install sidewalk	20.00	41.00					6.00	7.00	26.00	48.00	-4.27

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MED IR 0071 24.02 (SR303 RmpClr)	Urban Principal Arterial (UPA) - Interstate	Interchange design	Extend existing lane on ramp	28.00	19.00			1.00		7.00	6.00	36.00	25.00	0.62
WOO SR 199 27.97 Roundabout	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	10.00	8.00			4.00		8.00	1.00	22.00	9.00	3.44
D10 General System GR FY2018	Rural Principal Arterial (RPA) - Other	Roadside	Barrier end treatments (crash cushions, terminals)	293.00	282.00	2.00	3.00	17.00	12.00	79.00	81.00	391.00	378.00	-4.1
FRA SR 3 21.17	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	41.00	21.00			1.00	1.00	20.00	11.00	62.00	33.00	2
BRO SR 125 9.47 Safety	Rural Principal Arterial (RPA) - Other	Intersection geometry	Intersection realignment	8.00	2.00							8.00	2.00	0.16
CAR SR 43 22.37	Rural Minor Arterial	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders	9.00	7.00					2.00	1.00	11.00	8.00	0.43
HAM US 50 0.00	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	12.00	14.00	1.00			1.00	8.00	4.00	21.00	19.00	4.23
D11-GR-FY2017	Rural Principal Arterial (RPA) - Other	Roadside	Barrier- metal	124.00	139.00	3.00	4.00	14.00	7.00	40.00	45.00	181.00	195.00	-0.19
D12 TSG FY2017	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal – modernization/replacement	22.00	7.00			2.00		6.00	2.00	30.00	9.00	3.4
BEL SR 149 23.790	Urban Major Collector	Intersection traffic control	Modify traffic signal – modernization/replacement	21.00	10.00					5.00	2.00	26.00	12.00	0.79
CUY SR 082 03.54 Safety	Urban Principal Arterial (UPA) - Other	Intersection geometry	Modify lane assignment	1.00	7.00				1.00			1.00	8.00	-0.58
SCI SR 104 11.96	Rural Major Collector	Intersection geometry	Add/modify auxiliary lanes											0
ATB SR 0534 19.82	Urban Major Collector	Intersection geometry	Add/modify auxiliary lanes	27.00	6.00					13.00	2.00	40.00	8.00	4.03
CLA US 40 10.11	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal – modernization/replacement	50.00	32.00			1.00		26.00	24.00	77.00	56.00	0.1

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WAR US 22/SR 48 2.80/5.22	Urban Principal Arterial (UPA) - Other	Roadway	Pavement surface - other	565.00	471.00	4.00	3.00	12.00	10.00	151.00	142.00	732.00	626.00	2.54
POR SR 0044 14.86	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	11.00	15.00			2.00		6.00	10.00	19.00	25.00	1.02
WOO SR 199 29.10 Carronade Rdabt	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	7.00	7.00			2.00	1.00	5.00	2.00	14.00	10.00	1.23
ROS US 23 & 35 Various	Rural Principal Arterial (RPA) - Other	Access management	Change in access - close or restrict existing access						1.00				1.00	-8.71
D02 TSG FY2017	Urban Minor Arterial	Intersection traffic control	Modify traffic signal – modernization/replacement	6.00	1.00			1.00		2.00		9.00	1.00	1.97
MOT Third Street Safety	Urban Principal Arterial (UPA) - Other	Speed management	Traffic calming feature	11.00	21.00			2.00	3.00	3.00	8.00	16.00	32.00	-18.64
D06 Regional Pedestrian Signals	Urban Principal Arterial (UPA) - Other	Pedestrians and bicyclists	Pedestrian beacons	115.00	103.00				1.00	45.00	47.00	160.00	151.00	0.28
HAN US 68 13.08 Cable Rail	Urban Principal Arterial (UPA) - Other	Roadside	Barrier – cable	33.00	26.00				1.00	3.00	4.00	36.00	31.00	-1.08
GRE US 35 6.24	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	57.00	56.00			2.00	1.00	29.00	25.00	88.00	82.00	5.25
MER US 33 10.41	Urban Principal Arterial (UPA) - Other	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders		3.00					2.00	3.00	2.00	6.00	-3.76
BRO 41-3.42_ROS 35 RampA_SCI 140	Rural Major Collector	Roadway	Pavement surface - other	50.00	25.00			7.00	3.00	19.00	5.00	76.00	33.00	19.56
SUM SR 0008 04.41	Rural Principal Arterial (RPA) - Other Freeways and Expressways	Interchange design	Extend existing lane on ramp	50.00	25.00			1.00	1.00	15.00	6.00	66.00	32.00	5.71

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D04 GR FY2018A	Urban Principal Arterial (UPA) - Other	Roadside	Barrier end treatments (crash cushions, terminals)	223.00	154.00		1.00	12.00	5.00	70.00	52.00	305.00	212.00	11.16
D10 FY2017 Type A GR Anchors	Urban Principal Arterial (UPA) - Other	Roadside	Barrier end treatments (crash cushions, terminals)	391.00	401.00	4.00	7.00	14.00	12.00	133.00	163.00	542.00	583.00	-60.44
HAM IR 75 16.67	Urban Principal Arterial (UPA) - Interstate	Interchange design	Interchange design - other	83.00	42.00			1.00	1.00	23.00	10.00	107.00	53.00	2.8
SUM CR-17 / Wooster Road	Urban Major Collector	Intersection traffic control	Modify traffic signal – modernization/replacement	15.00	5.00			1.00		4.00	3.00	20.00	8.00	5.49
FRA IR 270 0.00/49.63 Cable	Urban Principal Arterial (UPA) - Interstate	Roadside	Barrier – cable	259.00	158.00	4.00	3.00	7.00	8.00	76.00	61.00	346.00	230.00	23.88
FRA IR 70 3.41	Urban Principal Arterial (UPA) - Interstate	Roadway	Roadway widening - add lane(s) along segment	260.00	96.00			3.00	2.00	65.00	45.00	328.00	143.00	0.3
FRA US 40 4.69	Urban Principal Arterial (UPA) - Other	Roadway	Roadway widening - travel lanes	170.00	279.00			2.00	7.00	64.00	117.00	236.00	403.00	-1.45
FAI US 33 05.60(Carroll Area)	Rural Principal Arterial (RPA) - Other Freeways and Expressways	Interchange design	Convert at-grade intersection to interchange	45.00	18.00			1.00	1.00	14.00	2.00	60.00	21.00	0.15
GEA US 422 13.04 Intersection	Rural Principal Arterial (RPA) - Other	Intersection geometry	Add/modify auxiliary lanes	18.00	18.00				1.00	7.00	6.00	25.00	25.00	-0.46
CUY IR 090 03.56 Interchange	Urban Principal Arterial (UPA) - Interstate	Interchange design	Interchange design - other	139.00	109.00			5.00	3.00	34.00	34.00	178.00	146.00	1.01
HAM CR 90 0.60 Pippin Rd Phase 1	Urban Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	36.00	17.00			3.00	2.00	15.00	6.00	54.00	25.00	1.22
BRO SR 41 1.93 Safety	Rural Major Collector	Alignment	Horizontal curve realignment	2.00	4.00			1.00		1.00		4.00	4.00	0.27

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WAR SR 48 8.80 Mason Morrow Mill	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	59.00	30.00			1.00		13.00	9.00	73.00	39.00	0.67
CLA SR 235 0.23	Urban Major Collector	Pedestrians and bicyclists	Pedestrians and bicyclists – other	44.00	34.00	1.00		1.00	1.00	20.00	15.00	66.00	50.00	1.78
HEN/LUC US 24 0.00/11.53 Resurf	Rural Principal Arterial (RPA) - Other Freeways and Expressways	Roadway	Pavement surface - other	47.00	72.00	4.00		10.00	1.00	20.00	34.00	81.00	107.00	7.94
SHE SR 47 14.51	Urban Minor Collector	Intersection traffic control	Modify traffic signal – modernization/replacement	38.00	28.00		1.00	2.00		8.00	10.00	48.00	39.00	-19.61
HAM CR 67 2.19 Duck Creek Rd Ext	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	64.00	61.00					12.00	7.00	76.00	68.00	-0.06
GRE SR 4 1.54	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	14.00	8.00				2.00	5.00	5.00	19.00	15.00	-0.53
LUC US 24 15.78 Turn Lanes	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	51.00	33.00			3.00		13.00	7.00	67.00	40.00	3.58
WOO SR 199 29.10 Carronade Rdabt	Urban Minor Arterial	Intersection traffic control	Modify control – Modern Roundabout	30.00	15.00		1.00			7.00	3.00	37.00	19.00	-9.22
GRE US 68 9.43	Urban Principal Arterial (UPA) - Other	Pedestrians and bicyclists	Pedestrians and bicyclists – other	132.00	114.00			5.00	1.00	42.00	36.00	179.00	151.00	0.28
GRE CR 17 2.23	Urban Minor Arterial	Interchange design	Installation of new lane on ramp	84.00	80.00			1.00	2.00	23.00	24.00	108.00	106.00	-3.72
POR SR 0014 18.06	Rural Minor Arterial	Intersection geometry	Add/modify auxiliary lanes	11.00	11.00				1.00	7.00	5.00	18.00	17.00	-0.16
SAN SR53 6.02 sgnl Sfty	Rural Minor Arterial	Intersection traffic control	Modify traffic signal –other	9.00	11.00			1.00		6.00	3.00	16.00	14.00	3.29
SCI SR 73 19.63	Rural Major Collector	Roadway signs and traffic control	Curve-related warning signs and flashers	32.00	30.00	3.00	1.00	6.00	4.00	23.00	15.00	64.00	50.00	8.08



2024 Ohio Highway Safety Improvement Program

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)
SUM SR 0091 09.59	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	123.00	73.00			2.00		41.00	13.00	166.00	86.00	11.21
HAM SR 126 19.40	Urban Principal Arterial (UPA) - Other Freeways and Expressways	Intersection traffic control	Modify traffic signal – modernization/replacement	274.00	94.00			2.00		75.00	27.00	351.00	121.00	4.05
HOC US 33 11.700 Ramp Clear	Urban Principal Arterial (UPA) - Other Freeways and Expressways	Intersection traffic control	Modify control – Modern Roundabout	4.00	4.00							4.00	4.00	0.01
CLE CR 98 0.11	Urban Minor Arterial	Pedestrians and bicyclists	Pedestrian beacons	13.00	11.00					2.00	2.00	15.00	13.00	0.98
WOO US 20 8.87 Turn Lane Sfty	Rural Principal Arterial (RPA) - Other	Intersection geometry	Add/modify auxiliary lanes	11.00	6.00			1.00		4.00		16.00	6.00	3.67
LOR SR 0010C 00.50	Urban Principal Arterial (UPA) - Other Freeways and Expressways	Intersection geometry	Add/modify auxiliary lanes	86.00	89.00				1.00	20.00	23.00	106.00	113.00	-2.79
CLE IR 275 9.50	Urban Principal Arterial (UPA) - Interstate	Interchange design	Installation of new lane on ramp	126.00	112.00					25.00	19.00	151.00	131.00	1.54
WOO SR 64 0.89 PHB	Urban Minor Arterial	Pedestrians and bicyclists	Pedestrian hybrid beacon	170.00	108.00			6.00	2.00	43.00	32.00	219.00	142.00	16.27
ATH US 50 8.640	Urban Principal Arterial (UPA) - Other	Intersection geometry	Add/modify auxiliary lanes	8.00	4.00					8.00	3.00	16.00	7.00	2.99

Compliance Assessment

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

10/27/2020

What are the years being covered by the current SHSP?

From: 2021 To: 2025

When does the State anticipate completing its next SHSP update?

2025

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	98					100	98	100	98
	Route Number (8) [8]	100	98								
	Route/Street Name (9) [9]	100	98								
	Federal Aid/Route Type (21) [21]	100	98								
	Rural/Urban Designation (20) [20]	100	98					100	98		
	Surface Type (23) [24]	100	98					100	98		
	Begin Point Segment Descriptor (10) [10]	100	98					100	98	100	98
	End Point Segment Descriptor (11) [11]	100	98					100	98	100	98
	Segment Length (13) [13]	100	98								
	Direction of Inventory (18) [18]	100	98								
	Functional Class (19) [19]	100	98								

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	98								
	Access Control (22) [23]	100	98								
	One/Two Way Operations (91) [93]	100	98								
	Number of Through Lanes (31) [32]	100	98					100	98		
	Average Annual Daily Traffic (79) [81]	100	98					100	98		
	AADT Year (80) [82]	100	98								
	Type of Governmental Ownership (4) [4]	100	98								
INTERSECTION	Unique Junction Identifier (120) [110]			100	98						
	Location Identifier for Road 1 Crossing Point (122) [112]			100	98						
	Location Identifier for Road 2 Crossing Point (123) [113]			100	98						
	Intersection/Junction Geometry (126) [116]			100	98						
	Intersection/Junction Traffic Control (131) [131]			100	98						
	AADT for Each Intersecting Road (79) [81]			100	98						
	AADT Year (80) [82]			100	98						
	Unique Approach Identifier (139) [129]			100	98						
INTERCHANGE/RAMP	Unique Interchange Identifier (178) [168]					100	100				
	Location Identifier for Roadway at					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
	Beginning of Ramp Terminal (197) [187]										
	Location Identifier for Roadway at Ending Ramp Terminal (201) [191]					100	100				
	Ramp Length (187) [177]					100	100				
	Roadway Type at Beginning of Ramp Terminal (195) [185]					100	100				
	Roadway Type at End Ramp Terminal (199) [189]					100	100				
	Interchange Type (182) [172]					100	100				
	Ramp AADT (191) [181]					100	100				
	Year of Ramp AADT (192) [182]					100	100				
	Functional Class (19) [19]					100	100				
	Type of Governmental Ownership (4) [4]					100	100				
Totals (Average Percent Complete):		100.00	98.00	100.00	98.00	100.00	100.00	77.78	76.22	60.00	58.80

\*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.**

The Location Based Response System (LBRS) is an initiative of the Geographically Referenced Information Program (OGRIP). The LBRS establishes partnerships between State and County government for the creation of spatially accurate street centerlines with address ranges and field verified site specific address locations. A project is now complete that collected missing LBRS data, verified/updated current LBRS datasets and incorporated LBRS data into the official ODOT Road Inventory (RIMS).

With the ultimate goal of reducing fatalities, injuries and traffic crashes statewide, the LBRS projects’ accurate, timely, reliable road inventory data as well as seamless integration among all highway safety stakeholders will make traffic crash analysis and emergency response more effective and efficient.

The LBRS data collection project is complete, but is continuing to be maintained and updated on a regular basis. The MIRE Intersection Data Collection project, which began in 2019, is also complete. This will improve the AADT estimate on all public roadways by integrating this information into ODOT’s transportation demand model. This project was funded by a grant through Ohio’s Traffic Records Coordinating Committee (TRCC). Intersection safety is a priority of the Ohio Governor, and the improved data will enable ODOT to better prioritize safety investments. The project is now 100% complete.

2024 Ohio Highway Safety Improvement Program

In late 2022 ODOT was awarded NHTSA funding through TRCC for a MIRE data collection project.

This project is expected to begin in late 2023 and will collect 3 MIRE elements, 2 of which are FDE's, statewide on Ohio roadway segments:

- 1. Route Signing Qualifier
- 2. Number of Through Lanes (FDE), and
- 3. One/Two Way Operations (FDE)

It is expected that this project will be completed in late 2026 or early 2027.

## **Optional Attachments**

Program Structure:

Highway Safety Improvement Program Guidance.pdf

HSIP Procedures Manual.pdf

Safety\_Analysis\_Guidelines.pdf

Project Implementation:

Safety Performance:

Evaluation:

Safety Effectiveness of Roundabouts, RCUTs & Road Diets in Ohio.pdf

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.