FLORIDA

HIGHWAY SAFETY IMPROVEMENT PROGRAM

2024 ANNUAL REPORT

Photo source: Federal Highway Administration

Photo Source:
Photo image courtesy of Florida Department of Transportation

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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

The Florida Department of Transportation (FDOT) and its traffic safety partners continue their commitment to eliminate fatalities and serious injuries with the view that the death of any person is unacceptable. This report documents the Highway Safety Improvement Program (HSIP) in Florida, the data-driven analysis of safety trends, HSIP-funded infrastructure investments in the 2023/2024 state fiscal year (FY23/24), and the evaluation of program and project effectiveness toward achieving Florida's safety performance target of zero fatalities and serious injuries. Understanding that zero fatalities cannot be reached within FY23/24, Florida developed data models to forecast fatal and serious injuries that are statistically expected to occur as we innovate and strive to drive down fatalities and serious injuries to zero.

The HSIP is a core Federal-aid program with the purpose to achieve a significant reduction in traffic fatalities and serious injuries on all public roads. The HSIP is a main component of the Florida Strategic Highway Safety Plan (SHSP), which Florida updated in 2021 in coordination with statewide, regional, and local traffic safety partners. The statewide plan introduces Florida to a Safe System approach advocated by the Federal Highway Administration (FHWA) and addressing all elements of a safe transportation system in an integrated manner.

FDOT received an allocation of approximately $163 million in HSIP funds during FY23/24 from July 1, 2023 through June 30, 2024. These funds are invested both on and off-system. Program work regarding roadway ownership includes the following:
· State roadways were addressed by 801 project items totaling over $138 million
· Local roadways were addressed by 228 project items totaling almost $25 million

FDOT uses a data-driven approach to proactively deploy safety infrastructure investments with Highway Safety Improvement Program funding, strategically aimed at significant reductions in fatal and serious injury crashes. This fiscal year, FDOT completed over 1,000 items across almost 450 projects. The safety data program completed 3 project items totaling about $1 million. This guided foundational work with road safety audits, preliminary engineering, public information or education, traffic engineering studies, and transportation statistics totaling about $9 million. Other specific program accomplishments in our top emphasis areas include the following:
· Multiple programs and SHSP emphasis areas were addressed by 267 project items totaling over $64 million
· The intersection safety program completed 380 project items totaling about $47 million
· The pedestrian and bicyclist safety program completed 132 project items totaling almost $11 million
· The lane departure safety program completed 208 project items totaling almost $32 million
· The rail crossing safety program completed 39 project items for about $7 million

FDOT assesses the safety performance of roadways where HSIP investments have been implemented. These HSIP-funded projects lead to measurable reductions in fatal and serious injury crash rates in these constructed corridors.

FDOT evaluates safety performance across all public roadways as well. For a second consecutive year, Florida reports annual reductions in the number of fatalities, the number of serious injuries, and the fatality rate. The serious injury rate and the number of non-motorized fatal or serious injuries show a small increase. Overall, the five-year rolling average for all metrics show upward trends.

To address safety performance across all public roadways, FDOT is now also addressing safety systemically statewide utilizing a risk-based data-driven analysis. A statewide risk-based analysis was performed to identify the roadway characteristic risk factors associated with fatal and serious injury crashes. FDOT then invests in the deployment of proven effective safety countermeasures statewide on the roadway network where those risk factors exist. In FY 24, FDOT addressed systemic safety improvements with a with about $26 million in HSIP funds. This work is detailed in section 11.

To further focus on the behavioral factors contributing to fatal and serious crashes in the Safe System Approach, FDOT invests HSIP in education and enforcement activities to complement the investments in infrastructure, with FHWA approval for non-infrastructure use. In FY 24, FDOT addressed behavioral safety with 9 project items for about $11 million. This work is also detailed in section 11.

The cover image of this report features the winners of the FDOT Statewide Annual Safety Award. The award honors the memory of Jeanette Rouse, a valued FDOT employee instrumental in the development of Florida’s Community Traffic Safety Team (CTST) program. CTSTs provide vital support to implementing the Strategic Highway Safety Plan. Winners of this award are recognized for their significant contributions toward our target of zero fatalities and serious injuries. John Easterling, the Traffic Operations Engineer of Florida's Turnpike Enterprise, is the FY23/24 recipient of the Statewide Annual Safety Award. John established and clearly communicated a vision for his team and the future of Traffic Operations to improve safety on the Turnpike system by promoting innovative ideas and the use of advanced technologies.

Introduction

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

Program Structure

Program Administration

Describe the general structure of the HSIP in the State.

The HSIP is guided by the Florida SHSP, which provides a framework for eliminating highway fatalities and serious injuries on all public roads. The SHSP identifies Florida's key safety needs and guides investment decisions toward strategies and countermeasures with the greatest potential to save lives and prevent injuries. It is a data-driven, multi-year plan establishing statewide strategies and emphasis areas. The Florida SHSP introduces Florida to a Safe System approach promoted by the Federal Highway Administration to address all elements of a safe transportation system in an integrated manner.

Twelve emphasis areas are the primary focus for Florida's traffic safety improvement efforts organized into three categories – Roadways, Road Users, and User Behavior – supported by traffic records and information systems and accompanied by an additional category of evolving safety issues. The 4 Es of traffic safety (i.e., Engineering, Education, Enforcement, and Emergency Response) continue to be key approaches. Additionally, the 4 Is (i.e., Information Intelligence, Innovation, Insight into Communities, and Investments and Policies) provide broader and more inclusive thinking.

Emphasis areas within the Roadways category are Lane Departures and Intersections. The Road Users category includes Pedestrians and Bicyclists, Aging Road Users, Motorcyclists and Motor Scooter Users, Commercial Motor Vehicle Operators, and Teen Drivers. Emphasis areas included in the User Behavior category are Impaired Driving, Occupant Protection, Speeding and Aggressive Driving, and Distracted Driving. Additional evolving emphasis areas have been identified to be of interest that we will begin to monitor, including Work Zones, Drowsy and Ill Driving, Rail Crossings, Roadway Transit, Micromobility, and Connected and Automated Vehicles.

The Florida SHSP also defines a framework for implementation activities to be carried out through strategic safety coalitions and specific activities by FDOT, other state agencies, metropolitan planning organizations, local governments, and other traffic safety partners. The Florida HSIP is the program is managed by the Central Office with district staff performing project activities such as conducting safety studies, project scoping, public involvement, and coordinating with production staff on programming safety projects. To be eligible for HSIP funds, all safety improvement projects must (1) address a SHSP emphasis area, (2) be identified through a data-driven process, and (3) contribute to a reduction in fatalities and serious injuries. The roles in administering and implementing the HSIP are as follows:

- The FDOT State Safety Office (SSO) manages the HSIP and evaluates the program's effectiveness. The SSO determines the eligibility of projects for funding approval and provides policies, tools, and guidelines to assist the Districts, Turnpike Enterprise, and local agencies with implementing the HSIP.

- The FDOT Districts and Turnpike Enterprise manage project funding and are responsible for delivering highway safety improvement projects. Each District has a District Safety Engineer (DSE) and supporting staff that identify, plan, design, and implement HSIP projects with support from the SSO. Each District also works with Metropolitan Planning Organizations (MPO), Transportation Planning Organizations (TPO), and local jurisdictions to assist them in improving safety within their District.
- The Federal Highway Administration (FHWA) assists with program strategy, oversees all Federal-aid expenditures, and assures the HSIP meets federal requirements. FHWA also offers technical assistance and training to FDOT and local agencies.
- Florida's MPOs, TPOs, and local agencies are integral to addressing the safety problems on all public roads. MPOs, TPOs, and local agencies coordinate with FDOT's Districts to identify and implement effective off-system highway safety improvement projects. Local agencies also develop and implement locally administered projects (LAPs) as well as Local Road Safety Plans (LRSP) to improve safety in their jurisdictions.
- Partner organizations serve as ambassadors of traffic safety and help promote the vision of Driving Down Fatalities. Partners include charities, community groups, universities, and professional associations responsible for supplemental programs that improve safety beyond road engineering, which helps achieve the HSIP's goals.
- Community Traffic Safety Teams (CTST) are multi-jurisdictional, with members from city, county, state, and occasionally federal agencies, as well as private industry representatives and local citizens. CTSTs integrate the 4E approach to safety (engineering, enforcement, education, and emergency services) to help solve local traffic safety problems and promote public awareness of traffic safety. Many effective HSIP projects are initiated through CTSTs.
- Florida's road users are the most important stakeholder in the HSIP. Each HSIP project aims to improve the safety and quality of life for road users. The HSIP is most effective when the public is engaged in safety, provides feedback during the development of HSIP projects, and actively reports safety concerns to FDOT and local government agencies.

The SHSP was developed in close coordination with the state's long-range transportation plan, the Florida Transportation Plan (FTP). The FTP establishes the goal of "Safety and security for Florida's residents, businesses, and visitors," with the target of zero transportation fatalities or serious injuries for all modes. The FTP is guided by a 35-member Steering Committee, who also provided guidance to the update of this SHSP through the FTP Safety Subcommittee. The FTP Safety Subcommittee, comprised of key transportation and safety partners, met six times to review traffic safety data, discuss FTP and SHSP strategies, and provide input on emphasis areas. In addition to aligning with the FTP, we considered the goals and targets set in the Highway Safety Improvement Program (HSIP), the HSP, the strategic plans of statewide traffic safety coalitions and programs, the safety components of the Florida Freight Mobility and Trade Plan (FMTP), and the long-range transportation plans of Florida's 27 metropolitan planning organizations (MPOs). To have a broader reach, we also considered plans from other agencies such as the Department of Elder Affairs' State Plan on Aging, the Florida Department of Health's (FDOH) State Health Improvement Plan (SHIP), and the Emergency Medical Services (EMS) State Plan.

[Source: Florida Department of Transportation FY 2024 Highway Safety Plan, 2023]
[Source: Florida HSIP Guidelines Manual, 2021]
[Source: Florida Strategic Highway Safety Plan, 2021]

Where is HSIP staff located within the State DOT?

Other-Engineering and Operations, State Safety Office

FDOT is decentralized with a Central Office and seven District Offices. The FDOT organizational structure is available through fdot.gov. The primary Central Office contacts for the HSIP are in FDOT SSO (www.fdot.gov/Safety/co-staffdirectory.shtm) and follow below.

Lora Hollingsworth, Chief Safety Officer, FDOT SSO, (850) 414-4177
Brenda Young, State Safety Engineer, FDOT SSO, (850) 414-4146
Rupert Giroux, Safety Data Coordinator, FDOT SSO, (850) 414-4072
Benjamin Jacobs, Crash Records and Research Coordinator, FDOT SSO, (850) 414-4007
District Safety Engineers (https://www.fdot.gov/safety/safetyengineering/safetyengineeringcontacts.shtm).

[Source: Florida HSIP Guidelines Manual, 2021]

How are HSIP funds allocated in a State?

- Formula via Districts/Regions
- Other-Central Office

FDOT focuses HSIP funding on highway safety improvement projects with the following criteria.
• Low cost (typically under $1,000,000)
• Shorter-term, with concept to construction in under three years
• Implemented on a public road
• Addressing a problem known to result in fatalities and serious injuries as identified in the Florida SHSP

23 USC 148(c) indicates a focused, data-driven approach should be used for safety problem identification, countermeasure analysis, and resource allocation. Safety funds should be used on the most effective countermeasures at the locations with the greatest needs. The Department actively uses the AASHTO Highway Safety Manual (HSM) and other data-driven approaches discussed throughout the Florida HSIP Guidelines Manual.

[Source: Florida HSIP Guidelines Manual, 2021]

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

Many communities in Florida develop and implement Local Road Safety Plans (LRSPs) which should be consistent with the Florida SHSP and focus on specific, high priority emphasis areas and strategies for local road safety. HSIP funds can be used to develop LRSPs, which are a proven safety countermeasure. LRSPs support strategic safety management of off-system roads through the identification, analysis, and prioritization of roadway safety opportunities and improvements on the local system. For example, local areas with a large proportion of rural roads may use data to show a focus on reducing fatal and serious injury run-off-road crashes. Counties and other local agencies should consider developing and implementing LRSPs to:

- Define local safety priorities.
- Prioritize safety investments on off-system public roadways.
- Communicate safety improvement opportunities to stakeholders.
- Apply for HSIP funding.

LRSP development mimics the SHSP development process but focuses on local issues and needs. LRSPs should have a prioritized list of issues, risks, actions, and improvements that can be used to reduce fatalities and serious injuries on off-system roads. The Federal Highway Administration's (FHWA's) Developing Safety Plans: A Manual for Local Road Owners outlines the LRSP development process and contains an LRSP template. To assist with coordination with local governments on all Florida roadways, FDOT develops and uses Geographic Information Systems (GIS) that all agencies can use. The FDOT SSO works with internal and external partners to develop and provide GIS analysis to support the districts with identifying locations for safety improvement on local roads. The FDOT Open Data Hub provides a platform through which local partners use FDOT data for their own safety improvement analyses. The FDOT SSO also developed several

analyses of non-motorist (cyclist or pedestrian) involved crashes and intersection crashes. FDOT SSO works with internal and external partners to identify on local roads. Coordination between FDOT District Safety Engineers and the Community Traffic Safety Teams (CTSTs) identifies other local projects and training opportunities.

FDOT expanded the program of LRSPs to include counties in Florida with significant opportunities to improve traffic safety. The team completed LRSPs for twelve counties across multiple Districts. Local representatives will manage their respective safety plans in coordination with FDOT district representatives. Furthermore, several local communities in Florida pursue and (in several cases) secured Safe Streets and Roads for All (SS4A) funding and FDOT provides support to any local communities who request help in drafting safety plans.

[Source: Florida HSIP Guidelines Manual, 2021]

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

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

Describe coordination with internal partners.

The FDOT SSO is responsible for administering the HSIP statewide. The FDOT SSO issues guidance and policy related to HSIP and approves HSIP projects for inclusion in the FDOT Work Program and Statewide Transportation Improvement Program (STIP). The FDOT SSO is responsible for coordinating the HSIP with other roadway safety programs and initiatives within FDOT and external partners.

The FDOT Districts are responsible for investigating roadway safety issues within their jurisdictions, evaluating options to address those issues, proposing projects for HSIP funding, and implementing those projects. Districts also report performance measures to support project evaluation. Several Districts organized Safety business units under the direction of a District Safety Administrator. FDOT Districts also coordinate safety improvement efforts with local jurisdictions and assists them in coordinated efforts to reduce fatal and serious injuries within the District.

Many FDOT business areas coordinate and support effective administration of the HSIP. These offices and business areas include planning, design, operations, finance, construction, maintenance modal development, the Safe Routes to School Program, Local Agency Program and the Work Program Office. All FDOT offices work with FDOT SSO to provide appropriate attention and consideration to all project decisions.

[Source: FDOT SSO Staff, 2022]
[Source: Florida HSIP Guidelines Manual, 2021]
[Source: FDOT Mission, Vision, and Values, 2022]
[Source: Florida Strategic Highway Safety Plan, 2021]

Identify which external partners are involved with HSIP planning.

- Academia/University
- FHWA
- Governors Highway Safety Office
- Law Enforcement Agency
- Local Government Agency
- Local Technical Assistance Program
- Regional Planning Organizations (e.g. MPOs, RPOs, COGs)
- Tribal Agency
- Other-Community Traffic Safety Team (CTST)
- Other-FACERS

FACERS is the Florida Association of County Engineers and Roadway Superintendents. Other SHSP partners are involved with HSIP planning. They include the Florida Department of Highway Safety and Motor Vehicles (FLHSMV), Florida Highway Patrol (FHP), Florida Sheriffs Association (FSA), Florida Police Chiefs Association (FPCA), Federal Motor Carrier Safety Administration (FMCSA), and National Highway Traffic Safety Administration (NHTSA).

Describe coordination with external partners.

The 2021 SHSP was updated through collaboration with Florida's traffic safety partners. It aligns with and builds on the FTP, the long-range transportation plan for the State of Florida. Both plans share the vision of zero fatalities and serious injuries on the roadway system to protect Florida's 21 million residents and more than 131 million annual visitors. Partners who reviewed and approved the SHSP include:

- Florida Department of Transportation
- Florida Department of Highway Safety and Motor Vehicles
- Florida Highway Patrol
- Florida Sheriffs Association
- Florida Police Chiefs Association
- Metropolitan Planning Organization Advisory Council
- Florida Rail Enterprise
- Florida Association of County Engineers and Road Superintendents
- Federal Highway Administration
- National Highway Traffic Safety Administration
- Federal Motor Carrier Safety Administration

The update process included:

- Alignment with Other State Plans – In addition to aligning with the FTP, the SHSP considers the goals and targets set in the Highway Safety Improvement Plan (HSIP), the Highway Safety Plan (HSP), the strategic plans of statewide traffic safety coalitions and programs, the safety components of the Florida Freight Mobility and Trade Plan (FMTP), and the long-range transportation plans of Florida's 27 metropolitan planning organizations (MPO).
- Review and Analysis of Safety and Related Data – The SHSP is built on extensive analysis of traffic crash data collected by law enforcement officers statewide and submitted to the Florida Department of Highway Safety and Motor Vehicles (FLHSMV), the official repository of crash records for the State of Florida. All data reported in the SHSP are from FLHSMV from 2015-2019 unless otherwise noted. For the update, the five-year traffic crash data (2015-2019) are compared with the previous five-year period (2011-2015) data to evaluate the highest contributing factors to Florida's safety performance.

- Partner and Public Engagement – The update began with a Vision Zero workshop in May 2019. The following year included outreach via FTP and SHSP partner briefings and webinars, safety coalition meetings, and conferences such as the FDOT Transportation Planning Exchange and the Florida Transportation Symposium. The FTP Steering Committee and its Safety Subcommittee helped to guide development. The subcommittee included safety partners from federal and state agencies, MPOs, regional planning councils, local governments, law enforcement, and many other transportation and safety partners. The ongoing work of the state's traffic safety coalitions, with representatives from over 100 key safety partners and advocates, is reflected in their respective emphasis areas. In addition, FDOT expanded virtual engagement placing emphasis on groups representing traditionally underserved populations. FDOT interviewed leadership and staff of, conducted briefings to, and participated in webinars with organizations working with persons with disabilities, older adults, low-income residents, public health issues, housing issues, rural and agricultural communities, and other groups that in the past may not have had significant input in long-range transportation planning activities.

[Source: Florida Triennial Highway Safety Plan 2024-2026, 2024]
[Source: Florida HSIP Guidelines Manual, 2021]
[Source: FDOT State Safety Office, Safety Programs website (https://www.fdot.gov/Safety/programs/programs.shtm), as of 2024-07-10]
[Source: FDOT State Safety Office, Traffic Safety Coalitions website (https://www.fdot.gov/safety/safety-coalitions/coalitonsresources.shtm), as of 2024-07-10]
[Source: Florida Strategic Highway Safety Plan, 2021]

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

As noted in the Executive Summary, FDOT has evaluated the effectiveness of safety infrastructure investments on the state highway system by comparing fatal and serious injury crash rates before and after the construction of those projects. The investments made between 2016-2020 resulted in a measurable reduction in fatality and serious injury rates.

However, Florida's 5-year rolling average for fatal and serious injury crash trends along all public roadways continues to experience minor fluctuations. Further, growth in population and travel demand on Florida's roadways continues to be one of the highest in the nation, which correlates to increased crash risk.

Utilizing the Safe System Approach, safety infrastructure investments are strategically aimed to address the behavioral aspects of roadway safety. Anticipating human error is key to identify infrastructure improvements that aid in preventing crashes from occurring, providing safe recovery, and reducing their severity. To best apply the Safe System Approach and address safety performance across all public roadways, FDOT is now also addressing safety systemically statewide utilizing a risk-based data-driven analysis. A statewide risk-based analysis was performed to identify the roadway characteristic risk factors associated with fatal and serious injury crashes. FDOT then invests in the deployment of proven effective safety countermeasures statewide on the roadway network where those risk factors exist.

A significant portion of the Highway Safety Improvement Program funds are beginning to be dedicated – approximately $35M annually starting FY 24, to address areas where these risk factors exist, with the statewide systemic deployments of safety infrastructure investments, including the following:

• Over 80% of Florida's pedestrian fatalities occur in dark conditions. The $100M multi-year statewide pedestrian safety intersection lighting retrofit initiative addresses pedestrian safety at 2,500 intersections statewide and is almost complete. Fatal and serious injury crashes of all types were significantly reduced in

these locations with a return on investment of 42:1, and FDOT continues to monitor the reductions over the useful life of this countermeasure.

• A significant proportion of fatal and serious lane departure crashes occur on Florida's rural 2-lane roadways with posted speeds of 55 mph and higher. To address this, the statewide rumble strip initiative was funded over 2 years with $60M to address lane departure safety on over 3,000 centerline miles of roadways and began construction in FY 24. This initiative is projected to prevent over 150 fatalities over the useful life of this countermeasure, with a return on investment of 32:1.

• A form of rapidly increasing lane departure crash is wrong way driving on Florida's interstates. The statewide wrong way driving initiative was funded over 3 years with $32M to prevent occurrences and warn motorists with signing, pavement markings, and advanced detection and warning systems at interstate interchanges, and this work began in FY 23.

• Florida has many intracoastal waterway bridges that frequently open and have high volumes of pedestrian traffic. Technology solutions improve pedestrian safety by detecting their presence and preventing bridge movement that could cause them harm. The statewide moveable bridge initiative was funded over 2 years with $14M to install advanced detection systems to address bicyclist and pedestrian safety and began in FY 23.

• A significant proportion of fatal and serious lane departure crashes occur on Florida's rural high-speed limited access roadways. To address this, the statewide median barrier initiative was funded over 2 years with $130M (comprised of $70M HSIP and $60M state funds) to address lane departure safety on over 300 centerline miles of roadways and will begin construction in FY 26. This initiative is projected to prevent over 430 fatalities over the useful life of this countermeasure.

FDOT is pleased to report the addition of state funds being dedicated to focusing more resources on safety with this most recent statewide systemic initiative.

Additional strategic safety countermeasures continue to be identified and prioritized in FDOT's ongoing statewide systemic and risk-based program, to achieve our goal to significantly impact overall fatal and serious injury crash trends. FDOT will monitor the effectiveness of each of these statewide programs and their collective effect on the overall fatal and serious injury crash trends on all public roadways.

To further focus on the behavioral factors contributing to fatal and serious crashes in the Safe System Approach, FDOT invests HSIP in education and enforcement activities to complement the investments in infrastructure with FHWA approval for this non-infrastructure use. Based on behavioral risk factors identified through systemic safety analyses, FDOT works with experts in human factors research at the University of South Florida College of Public Health to develop and deploy influential safety campaigns. Focus groups with drivers representing demographics involved in the majority of Florida's top crash types in Florida's top regions were conducted to define the campaign behavior focus areas - speeding, distraction, and aggressive driving. Surveys with this audience revealed social norms are measurably more influential than traditional safety campaigns that focus on consequences of laws. Therefore, the new safety campaigns instead relate to the values of this specific audience and address the life challenges that lead to these behaviors – time management, stress management, over commitment, and the need for constant connection. These campaigns were deployed for one month across 3 geographic regions for the purpose of independent evaluation of effectiveness to inform future statewide deployments (insert investment amount). FDOT measured excellent performance on campaign impressions (views) of the ads, engagement, and message recognition. The campaigns will continue to be deployed statewide in future years with performance monitoring and measurement.

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

Prioritized lists of safety needs are maintained by each District and Central Office verifies whether proposed projects are eligible for HSIP funding. Districts authorize and fund eligible HSIP projects according to procedures consistent with the Office of Work Program and Budget.

Additionally, Department leadership approves statewide initiatives that implement safety treatments across the State. Recommendations for and implementations of safety initiatives are informed by the Pareto principle, root cause analysis, and countermeasure assessments by FDOT SSO.

[Source: FDOT HSIP Guidelines Manual, 2021]

[Source: FDOT Office of Work Program and Budget, 2023]

Program Methodology

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

Yes

FDOT SSO regularly reviews and updates the Florida HSIP Guidelines Manual, which clearly describes HSIP planning, implementation, and evaluation processes. Current revision activities will better illuminate alignment with the Safe System Approach and reflect current business practices at FDOT.

[Source: Florida HSIP Guidelines Manual, 2021]

Select the programs that are administered under the HSIP.

- Bicycle Safety
- Intersection
- Pedestrian Safety
- Skid Hazard
- Other-Lane Departure

The Florida SHSP (Strategic Highway Safety Plan) outlines a safety implementation framework to eliminate fatal or serious injuries on all public roads and it guides the HSIP (Highway Safety Improvement Program). Our data-driven SHSP focuses on 12 emphasis areas and addresses 6 evolving areas that are reflected in several programs administered by FDOT under the HSIP.

Administered HSIP Programs
Traffic Records is the first emphasis area since data is the foundation of any improvement efforts for traffic safety. The remaining 11 Emphasis Areas (i.e., HSIP programs) organized into categories are crashes involving the following.
(1) Roadways (i.e., lane departure and intersection safety)
(2) Road users (i.e., bicyclists, pedestrians, new road users, aging road users, motorcyclists, and CMV drivers)
(3) User behavior (i.e., seatbelt use, distracted, impaired, and aggressive driving)
(4) Evolving emphasis areas (i.e., work zone, rail crossing, and intermodal safety, drowsy or ill driving, and micro-mobility)

Program Methodology
Since the last update of the SHSP in 2016, FDOT and traffic safety stakeholders reviewed and updated program methodologies regularly.

Program Justification
Justification for the programs is that they (1) address Florida SHSP priorities and (2) are FHWA focused approaches to safety.

Data Types for Program Methodologies
The data types used in the program methodologies include the following.
(1) crash (i.e., fatal or serious injuries, all crashes)
(2) exposure (i.e., traffic, volume, population)
(3) roadway (i.e., horizontal curvature, functional classification, roadside features, context classification)

Project Identification
Project identification methodologies used for these programs include the following.
(1) crash frequency
(2) crash rate
(3) excess expected crash frequency
(4) over-representation of crashes
(5) crash tree diagrams
(6) applications of safety performance functions (SPFs)

Local Roads
Local roads (non-state owned and operated) are included or addressed in the Florida HSIP programs.

Local Road Methodologies
Local road projects are identified through the same methodologies used for state roads.

Program Advancement for Implementation
Projects under the Florida HSIP programs are advanced for implementation by identifying locations through GIS analysis by Central Office or vetting through the districts. District submitted projects are evaluated using a benefit-cost ratio greater than 1.

Prioritization Processes
Central Office and the Districts use several methods to prioritize HSIP projects. They include the following.
(1) ranking based on the benefit-cost ratio
(2) ranking based on net benefit
(3) net present value
(4) available funding
(5) cost effectiveness

[Source: Florida HSIP Guidelines Manual, 2021]
[Source: FDOT State Safety Office, 2024]
[Source: FDOT Work Program and Budget Office, 2024]

Program: Bicycle Safety

Date of Program Methodology:9/1/2021

What is the justification for this program?

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

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

Crashes

- All crashes
- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume
- Population

Roadway

- Functional classification
- Roadside features

What project identification methodology was used for this program?

- Crash frequency
- Crash rate

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

Yes

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

Yes

How are projects under this program advanced for implementation?

- Other-Contributing factors such as time of day (75% of fatal pedestrian and bicycle crashes occur during dusk or dark hours)
- Other-Locations are identified through GIS analysis by Central Office or vetted through the districts. District submitted projects are evaluated using a Benefit Cost Ratio greater than 1.

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:5
Available funding:5
Ranking based on net benefit:5
Cost Effectiveness:5
Other-Net Present Value:5

Program: Intersection

Date of Program Methodology:7/1/2019

What is the justification for this program?

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

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

Crashes

- All crashes
- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume
- Population

Roadway

- Functional classification
- Roadside features
- Other-Mile Point
- Other-Context classification

What project identification methodology was used for this program?

- Crash frequency
- Crash rate
- Excess expected crash frequency using SPFs

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-Districts coordinate with staff for projects and submit to Central Office for approval.

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:5
Available funding:5
Ranking based on net benefit:5

Cost Effectiveness:5
Other-Net Present Value:5

Program: Pedestrian Safety

Date of Program Methodology:9/1/2021

What is the justification for this program?

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

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

Crashes

- All crashes
- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume
- Population

Roadway

- Functional classification
- Roadside features

What project identification methodology was used for this program?

- Crash frequency
- Crash rate
- Other-Contributing factors such as time of day (75% of fatal pedestrian and bicycle crashes occur during dusk or dark hours)
- Other-Projects are identified using GIS analysis of crash locations and 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?

- 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:5
Available funding:5
Ranking based on net benefit:5
Cost Effectiveness:5
Other-Net Present Value:5

Program: Skid Hazard

Date of Program Methodology:7/1/2021

What is the justification for this program?

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

What is the funding approach for this program?

Competes with all projects

What data types were used in the program methodology?

Crashes

- All crashes
- Fatal and serious injury crashes only

Exposure

- Traffic
- Volume
- Population

Roadway

- Horizontal curvature
- Functional classification
- Roadside features
- Other-Friction Number

What project identification methodology was used for this program?

- Crash frequency
- Crash rate
- Excess expected crash frequency using SPFs
- Other-Locations with a high proportion of wet weather crashes are included in the screening process for skid hazard project locations.

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:5
Available funding:5
Ranking based on net benefit:5
Cost Effectiveness:5
Other-Net Present Value:5

Program: Other-Lane Departure

Date of Program Methodology:

What is the justification for this program?

What is the funding approach for this program?

What data types were used in the program methodology?

Crashes **Exposure** **Roadway**

What project identification methodology was used for this program?

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

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

How are projects under this program advanced for implementation?

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).

What percentage of HSIP funds address systemic improvements?

16

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

- Add/Upgrade/Modify/Remove Traffic Signal

- Clear Zone Improvements
- High friction surface treatment
- Horizontal curve signs
- Install/Improve Lighting
- Install/Improve Pavement Marking and/or Delineation
- Install/Improve Signing
- Pavement/Shoulder Widening
- Rumble Strips
- Upgrade Guard Rails
- Wrong way driving treatments

The list does not include all improvement types because queries of FDOT Work Program and Budget systems are limited to available work mix fields.

[Source: FDOT Office of Work Program and Budget, MADDOG system, HSIP Funds for FY 2023/2024]

What process is used to identify potential countermeasures?

- Crash data analysis
- Data-driven safety analysis tools (HSM, CMF Clearinghouse, SafetyAnalyst, usRAP)
- Engineering Study
- Road Safety Assessment
- SHSP/Local road safety plan
- Stakeholder input
- Other-FHWA resources
- Other-Risk-Based Root Cause Analysis

Does the State HSIP consider connected vehicles and ITS technologies?

Yes

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

FDOT Transportation Systems Management and Operations (TMSO) Program focuses on six primary areas – (1) Connected Vehicle, (2) Management/Deployments, (3) ITS Communications, (4) ITS Software and Architecture, the (5) Statewide Arterial Management Program (STAMP, and (6) Managed Lanes. Four of the TMSO areas address connected vehicles and ITS technologies.

The **Connected Vehicle** initiative uses leading edge technologies to quickly identify roadway hazards and alert drivers. Among others, these technologies include:

- Wireless communications
- Vehicle sensors
- Global positioning system navigation

Management/Deployments promotes ITS deployments on Florida's roadways, develops standards, maintains the ITS Strategic Plan, and implements a systems engineering process to support procurement and deployment of ITS. Management/Deployments also deploys advanced traveler information systems and 511; develops and updates the ITS standards and specifications; provides technical support and assistance to FDOT District Offices and other partners; and promotes and coordinates the statewide use of robust, non-proprietary ITS standards.

ITS Communications guides deployment of a communications backbone to serve ITS deployments on major corridors; manages and updates the Florida ITS Operations Network to support ITS deployments; manages the maintenance program for the Florida ITS Operations Network to support ITS deployments and various ITS research and development initiatives; manages the Federal Communications Commission statewide radio license database; and manages the Wireless General Manager Agreement, a resource sharing public/private partnership which places commercial wireless carriers on FDOT rights-of-way, with American Tower Corporation.

ITS Software and Architecture manages the SunGuide ® Software System for freeway and incident management, transportation management center interoperability, and data archiving; manages the Statewide ITS Architecture to promote integrated ITS regions, corridors, and projects; coordinates ITS training to enhance the quality and quantity of the State's ITS workforce; and oversees Unified traffic information and management system for the State of Florida ITS traffic data.

[Source: FDOT Transportation Systems Management and Operations website (https://www.fdot.gov/traffic/its/tsmo.shtm) as of 2024-07-10]

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.

The Florida Department of Transportation (FDOT) supports research to configure and customize the Highway Safety Manual (HSM) methods to Florida's roadways.

Safety Engineering from the FDOT State Safety Office (SSO) maintains a website for Safety Analysis Methods and Resources. The website contains information on safety analyses based for location-specific analysis, systemic analysis, and predictive analysis.

FDOT uses a risk-based approach to systemically analyze safety performance of roadways. Using risk factors we identify locations to implement safety improvements to prevent crashes. Safety Performance Functions (SPFs) are developed from crash data from similar sites, all adjusted to presumed "base" conditions. Crash Modification Factors (CMFs) are then applied to convert from the base conditions to the conditions at the location being studied. Additionally, a local calibration factor is also applied based on local crash experience on similar roadway sites. Empirical methods may also be applied if both a SPF and actual crash data are available.

FDOT HSM resources and tools address HSM Part B (Roadway Safety Management Process), HSM Part C (Predictive Method), Crash Modification Factors (CMFs), in-house training, and access to external resources. Regarding HSM Part B, FDOT uses network screening and a dashboard highlighting safety needs. For HSM Part C, FDOT utilizes Intersection Control Evaluation (ICE), spreadsheet tools and crash cost calculations, and developmental work for Florida-based SPFs and CMFs for intersections in context classifications C3R, C3C and C4.

FDOT network screening includes:

- Safe Strides 2 Zero (SS2Z) – conducting an annual screening of signalized intersections on the SHS. Identifies high crash signalized intersections and is shown in the Safety Needs List Dashboard.
- 2020 Pedestrian & Bicycle Network Screening – a risk-based evaluation of pedestrian and bicycle safety on the SHS utilizing roadway characteristics and ped and bike demand characteristics. Results are available on eTraffic.

The Safety Assessment dashboard enables FDOT project scoping staff to incorporate safety needs into any work program project. The Dashboard consists of the Traffic Operations' Statewide Safety Initiatives and the over-lapping safety needs priorities identified by each district.

[Source: Safety Analysis Methods & Resources by FDOT Safety Engineering, (https://www.fdot.gov/safety/safetyengineering/safetyanalysismethods.shtm) as of 2024-07-10]
[Source: Florida HSIP Guidelines Manual, 2021]
[Source: FDOT Highway Safety Manual User Guide, 2015]

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

FDOT implements highway safety improvement projects in several ways (1) predictive analytics-based projects, (2) systemic projects, (3) hotspot projects, (4) policy-based projects, and (5) data and analysis projects. FDOT incorporates a combination of these types of projects within the HSIP. Each type addresses serious crash risks and safety problems in a different way, creating a diversified portfolio of investments in safety improvements. However, the HSIP does not have to include projects of each type every year. Districts are encouraged to use discretion to address their safety concerns with projects that provide the greatest opportunity to reduce fatalities and serious injuries.

Systemic projects focus on mitigating highly prevalent crash types or contributing factors in the SHSP that result in large numbers of fatalities and serious injuries across the network. FDOT tries to address these issues as cost-efficiently as possible. FDOT leverages the mobilization and other fixed costs of existing projects (e.g., resurfacing, restoration, rehabilitation) and promotes using cost-effective countermeasures to existing non-HSIP projects. Hotspot projects focus on the roadway segments, corridors, intersections, or ramps with the highest overall potential for safety improvement across the network. FDOT supports improvement projects that are feasible, cost-effective, and address serious or fatal injuries for emphasis areas in the Florida SHSP. Geometric and operational characteristics are also considered for these projects. Policy-based projects are improvements to bring roadway design or operational features up to a standard. Policy-based countermeasures (also called nominal or systematic) often aim to reduce liability as well as crash risk, such as updating old roadside hardware to current designs or meeting sign retro-reflectivity standards. Data and analysis projects enhance the delivery of the HSIP by advancing planning, implementation, and evaluation methods. FDOT recommends projects that are strategic with a clear goal to help reduce fatalities and serious injuries.

[Source: Florida HSIP Guidelines Manual, 2021]

Project Implementation

Funds Programmed

Reporting period for HSIP funding.

State Fiscal Year

Financial data is based on fund codes associated with the Highway Safety Improvement Program (HSIP).

[Source: FDOT Office of Work Program and Budget, MADDOG system, FY2023/2024, as of 2024-06-24]

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

FUNDING CATEGORY	PROGRAMMED	OBLIGATED	% OBLIGATED/PROGRAMMED
HSIP (23 U.S.C. 148)	$155,588,657	$154,165,321	99.09%
HRRR Special Rule (23 U.S.C. 148(g)(1))	$0	$0	0%
VRU Safety Special Rule (23 U.S.C. 148(g)(3))	$0	$0	0%
Penalty Funds (23 U.S.C. 154)	$0	$0	0%
Penalty Funds (23 U.S.C. 164)	$0	$0	0%
RHCP (for HSIP purposes) (23 U.S.C. 130(e)(2))	$7,626,874	$7,176,555	94.1%
Other Federal-aid Funds (i.e. STBG, NHPP)	$0	$0	0%
State and Local Funds	$0	$0	0%
Totals	$163,215,531	$161,341,876	98.85%

Financial data is based on fund codes associated with the Highway Safety Improvement Program (HSIP).

[Source: FDOT Office of Work Program and Budget, MADDOG system, FY2023/2024, as of 2024-06-24]

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

$24,864,581

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

$23,987,628

Financial data is based on fund codes associated with the Highway Safety Improvement Program (HSIP).

[Source: FDOT Office of Work Program and Budget, MADDOG system, FY2023/2024, as of 2024-06-24]

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

$1,318,742

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

$1,318,741

Financial data is based on fund codes associated with the Highway Safety Improvement Program (HSIP).

[Source: FDOT Office of Work Program and Budget, MADDOG system, FY2023/2024, as of 2024-06-24]

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

$17,080,924

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

$16,706,611

Financial data is based on fund codes associated with the Highway Safety Improvement Program (HSIP).

[Source: FDOT Office of Work Program and Budget, MADDOG system, FY2023/2024, as of 2024-06-24]

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

We do not report any impediments to obligating HSIP fund at this time.

[Source: FDOT State Safety Office, 2024]

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
190258-1	Advanced technology and ITS	Advanced technology and ITS - other			$500000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
207611-7	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$49469		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
207611-7	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$9859		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
207658-2	Roadway	Roadway - other			$9870		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
210719-3	Roadway	Roadway - other			$458		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
210719-3	Roadway	Roadway - other			$508937		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
210719-3	Roadway	Roadway - other			$11516		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
210719-3	Roadway	Roadway - other			$38701		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
211079-3	Miscellaneous	Miscellaneous - other			$2199		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
211079-3	Miscellaneous	Miscellaneous - other			$2000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
211079-3	Miscellaneous	Miscellaneous - other			$692883		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
211079-6	Miscellaneous	Miscellaneous - other			$46729		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
211079-7	Miscellaneous	Miscellaneous - other			$912584		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
212934-6	Interchange design	Interchange improvements			$106598		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
212934-6	Interchange design	Interchange improvements			$2440		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
212934-6	Interchange design	Interchange improvements			$5136		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
212934-6	Interchange design	Interchange improvements			$5912		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
212934-6	Interchange design	Interchange improvements			$1313		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
212934-6	Interchange design	Interchange improvements			$177		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
212934-6	Interchange design	Interchange improvements			$1183		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
219287-2	Intersection geometry	Intersection realignment			$2709651		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
219287-2	Intersection geometry	Intersection realignment			$337		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
219287-2	Intersection geometry	Intersection realignment			$239902		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220644-2	Lighting	Continuous roadway lighting			$274		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
220838-3	Roadway	Roadway - other			$15181		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-3	Roadway	Roadway - other			$16546		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
220838-3	Roadway	Roadway - other			$2440		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$941464		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$939882		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$743014		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$646274		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$12150		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$11773		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$6659		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
220838-5	Roadway	Roadway - other			$67427		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$15332		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$61958		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$17016		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$4064		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$818		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$1421		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$818		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
230094-8	Miscellaneous	Data analysis			$300000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
230094-9	Miscellaneous	Data analysis			$200000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$11717		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$78906		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$27673		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$159276		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$2873		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$35016		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$19350		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
237995-1	Roadway	Roadway - other			$65133		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
237995-1	Roadway	Roadway - other			$82310		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
245316-6	Advanced technology and ITS	Advanced technology and ITS - other			$800000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254553-2	Miscellaneous	Miscellaneous - other			$967203		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254553-2	Miscellaneous	Miscellaneous - other			$1696429		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254646-1	Roadway	Roadway - other			$2193524		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254647-1	Roadway	Roadway - other			$169336		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254647-1	Roadway	Roadway - other			$215520		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254647-1	Roadway	Roadway - other			$519		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254647-1	Roadway	Roadway - other			$1000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
254647-3	Roadway	Roadway - other			$30000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254647-3	Roadway	Roadway - other			$442539		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254677-2	Roadway	Roadway - other			$61364		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254677-2	Roadway	Roadway - other			$4909032		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254677-2	Roadway	Roadway - other			$310059		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254677-2	Roadway	Roadway - other			$5336		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
254677-2	Roadway	Roadway - other			$390006		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
403920-4	Pedestrians and bicyclists	Pedestrian hybrid beacon			$5165		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
403920-5	Lighting	Lighting - other			$345		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
403920-5	Lighting	Lighting - other			$5838		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
409224-1	Miscellaneous	Miscellaneous - other			$198894		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
410646-7	Roadway	Roadway - other			$26000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
410646-7	Roadway	Roadway - other			$99078		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
412596-3	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$278911		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
412596-3	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$62988		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
425646-5	Miscellaneous	Miscellaneous - other			$10237		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
425646-5	Miscellaneous	Miscellaneous - other			$213427		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
427518-2	Roadway	Roadway - other			$5354		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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429186-4	Intersection geometry	Intersection geometry - other			$23000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429186-5	Intersection geometry	Intersection geometry - other			$271		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429186-5	Intersection geometry	Intersection geometry - other			$4999		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429186-5	Intersection geometry	Intersection geometry - other			$59000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429341-4	Intersection geometry	Intersection geometry - other			$7435		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429341-5	Intersection geometry	Intersection geometry - other			$3029		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429650-3	Roadway	Roadway - other			$52975		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
429830-2	Intersection traffic control	Intersection traffic control - other			$3131		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
429830-2	Intersection traffic control	Intersection traffic control - other			$71329		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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429830-2	Intersection traffic control	Intersection traffic control - other			$107417		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
430852-2	Miscellaneous	Data analysis			$128028		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
430852-2	Miscellaneous	Data analysis			$332412		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
430914-1	Intersection geometry	Intersection geometry - other			$22		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
433390-1	Miscellaneous	Data analysis			$536606		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433592-3	Lighting	Intersection lighting			$145		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433592-3	Lighting	Intersection lighting			$2630		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434273-3	Roadway	Roadway - other			$155		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
434273-4	Roadway	Roadway - other			$73		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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434396-4	Lighting	Intersection lighting			$324008		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434396-4	Lighting	Intersection lighting			$2597		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434396-4	Lighting	Intersection lighting			$16670		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434396-4	Lighting	Intersection lighting			$4656		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434396-4	Lighting	Intersection lighting			$13944		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434396-4	Lighting	Intersection lighting			$381		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434396-4	Lighting	Intersection lighting			$1420		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434779-1	Miscellaneous	Data analysis			$108630		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
434844-1	Intersection geometry	Intersection geometry - other			$297447		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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434844-2	Intersection geometry	Intersection geometry - other			$117532		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436041-1	Intersection geometry	Intersection geometry - other			$58603		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436041-1	Intersection geometry	Intersection geometry - other			$468		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436041-1	Intersection geometry	Intersection geometry - other			$7002		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436041-1	Intersection geometry	Intersection geometry - other			$3161		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436041-1	Intersection geometry	Intersection geometry - other			$160470		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436113-1	Lighting	Lighting - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
436113-1	Lighting	Lighting - other			$73		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
436157-1	Roadway	Roadway - other			$219		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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436196-1	Pedestrians and bicyclists	Install sidewalk			$26780		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
436266-2	Intersection geometry	Add/modify auxiliary lanes			$4028		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436266-2	Intersection geometry	Add/modify auxiliary lanes			$4208		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
436612-4	Miscellaneous	Data analysis			$121364		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
436612-4	Miscellaneous	Data analysis			$131441		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
436612-4	Miscellaneous	Data analysis			$1000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
436612-6	Miscellaneous	Data analysis			$81738		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
436612-6	Miscellaneous	Data analysis			$18276		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
436612-7	Miscellaneous	Data analysis			$249325		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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436615-1	Roadway	Roadway - other			$504		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
436962-1	Interchange design	Interchange improvements			$16650		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437514-1	Roadway	Roadway - other			$52224		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$215		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$61633		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$10476		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$702		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$6214		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$15168		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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437629-1	Intersection geometry	Intersection geometry - other			$113774		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437629-1	Intersection geometry	Intersection geometry - other			$32592		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437634-1	Roadway	Roadway - other			$174286		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437634-1	Roadway	Roadway - other			$40076		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437634-1	Roadway	Roadway - other			$27189		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437634-1	Roadway	Roadway - other			$16879		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437644-1	Intersection geometry	Add/modify auxiliary lanes			$108638		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437644-1	Intersection geometry	Add/modify auxiliary lanes			$424		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
437644-1	Intersection geometry	Add/modify auxiliary lanes			$18233		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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437644-1	Intersection geometry	Add/modify auxiliary lanes			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
438059-1	Roadway	Roadway - other			$9095		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
438059-1	Roadway	Roadway - other			$11170		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
438377-1	Roadside	Barrier- metal			$76477		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439157-1	Roadway	Roadway - other			$1596		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439157-1	Roadway	Roadway - other			$44		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439307-1	Intersection geometry	Add/modify auxiliary lanes			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439307-1	Intersection geometry	Add/modify auxiliary lanes			$826		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439307-1	Intersection geometry	Add/modify auxiliary lanes			$950		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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439368-1	Intersection geometry	Add/modify auxiliary lanes			$812210		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439368-1	Intersection geometry	Add/modify auxiliary lanes			$7216		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439368-1	Intersection geometry	Add/modify auxiliary lanes			$45678		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439368-1	Intersection geometry	Add/modify auxiliary lanes			$29869		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439368-1	Intersection geometry	Add/modify auxiliary lanes			$46995		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439368-1	Intersection geometry	Add/modify auxiliary lanes			$132372		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439368-1	Intersection geometry	Add/modify auxiliary lanes			$10000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439401-1	Access management	Access management - other			$7033275		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439401-1	Access management	Access management - other			$12764		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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439401-1	Access management	Access management - other			$83766		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439401-1	Access management	Access management - other			$294970		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439448-1	Intersection traffic control	Modify control – Modern Roundabout			$41116		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439448-1	Intersection traffic control	Modify control – Modern Roundabout			$26476		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439448-1	Intersection traffic control	Modify control – Modern Roundabout			$50191		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439448-1	Intersection traffic control	Modify control – Modern Roundabout			$28885		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439470-1	Intersection geometry	Intersection geometry - other			$184		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439489-1	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439489-1	Lighting	Intersection lighting			$258		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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439490-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439490-1	Roadway	Roadway - other			$100532		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439490-1	Roadway	Roadway - other			$19179		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439490-1	Roadway	Roadway - other			$14376		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439490-1	Roadway	Roadway - other			$53304		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439496-1	Roadway	Roadway - other			$4580		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439497-1	Shoulder treatments	Shoulder treatments - other			$526		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439498-1	Intersection geometry	Intersection geometry - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439498-1	Intersection geometry	Intersection geometry - other			$3755		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
439498-1	Intersection geometry	Intersection geometry - other			$405		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439498-1	Intersection geometry	Intersection geometry - other			$2000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439499-1	Roadway	Roadway - other			$2294		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439500-1	Intersection geometry	Intersection geometry - other			$1831		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439500-1	Intersection geometry	Intersection geometry - other			$5792		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439500-1	Intersection geometry	Intersection geometry - other			$6358		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439500-1	Intersection geometry	Intersection geometry - other			$2000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439511-1	Shoulder treatments	Shoulder treatments - other			$1911		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439511-1	Shoulder treatments	Shoulder treatments - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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439524-1	Advanced technology and ITS	Congestion detection / traffic monitoring system			$132044		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439524-1	Advanced technology and ITS	Congestion detection / traffic monitoring system			$240691		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439532-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$14472		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439532-2	Pedestrians and bicyclists	Install sidewalk			$13380		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439532-2	Pedestrians and bicyclists	Install sidewalk			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439532-2	Pedestrians and bicyclists	Install sidewalk			$1213		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439579-3	Lighting	Continuous roadway lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439579-3	Lighting	Continuous roadway lighting			$38		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439579-3	Lighting	Continuous roadway lighting			$81964		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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439579-3	Lighting	Continuous roadway lighting			$2534		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439701-1	Roadway	Pavement surface - other			$387		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439702-1	Roadway	Pavement surface - other			$393		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439772-1	Intersection geometry	Intersection geometry - other			$764170		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439808-1	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439808-1	Lighting	Intersection lighting			$49		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439808-1	Lighting	Intersection lighting			$2449		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439809-1	Lighting	Intersection lighting			$82		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439829-1	Lighting	Intersection lighting			$411		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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439829-8	Lighting	Intersection lighting			$8383		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439829-8	Lighting	Intersection lighting			$199		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439829-9	Lighting	Intersection lighting			$1163		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439880-1	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439880-1	Lighting	Intersection lighting			$629		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439880-1	Lighting	Intersection lighting			$117		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439880-7	Lighting	Intersection lighting			$13856		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439885-1	Lighting	Intersection lighting			$12554		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
439909-1	Lighting	Lighting - other			$60		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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439911-1	Interchange design	Interchange improvements			$13871		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439920-1	Intersection geometry	Intersection geometry - other			$5218		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439920-1	Intersection geometry	Intersection geometry - other			$13327		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439929-1	Roadway	Rumble strips – center			$51757		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439929-1	Roadway	Rumble strips – center			$44185		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439930-1	Roadway	Rumble strips – center			$6000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439930-1	Roadway	Rumble strips – center			$1583		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439939-1	Roadway	Rumble strips – center			$36181		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439939-1	Roadway	Rumble strips – center			$6034		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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439939-1	Roadway	Rumble strips – center			$15216		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439939-1	Roadway	Rumble strips – center			$35811		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439940-1	Roadway delineation	Roadway delineation - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439940-1	Roadway delineation	Roadway delineation - other			$936		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
439981-2	Intersection geometry	Intersection geometry - other			$15563		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
439986-1	Intersection geometry	Intersection geometry - other			$10075		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
440073-1	Lighting	Lighting - other			$31		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440074-1	Lighting	Lighting - other			$57		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440086-1	Lighting	Lighting - other			$410		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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440088-1	Lighting	Lighting - other			$723		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440120-1	Lighting	Intersection lighting			$2721		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440120-1	Lighting	Intersection lighting			$262		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440129-1	Lighting	Intersection lighting			$8337		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440129-1	Lighting	Intersection lighting			$28627		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440134-1	Lighting	Lighting - other			$116280		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440134-1	Lighting	Lighting - other			$33511		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440136-1	Lighting	Lighting - other			$7730		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440176-2	Lighting	Intersection lighting			$15000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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440179-2	Lighting	Intersection lighting			$4683		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440183-1	Lighting	Intersection lighting			$327		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440552-1	Roadway	Roadway - other			$1865		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440552-4	Roadway	Roadway - other			$3457		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440552-4	Roadway	Roadway - other			$679		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
440647-1	Roadside	Barrier- metal			$340621		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440647-1	Roadside	Barrier- metal			$1813		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440647-1	Roadside	Barrier- metal			$5439		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440649-1	Roadside	Roadside - other			$288975		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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440649-1	Roadside	Roadside - other			$63		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440655-1	Roadway delineation	Roadway delineation - other			$1522		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440663-1	Roadway	Roadway - other			$5261		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
440671-1	Intersection geometry	Intersection geometry - other			$10446		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
440686-1	Intersection traffic control	Modify control – Modern Roundabout			$8076		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
440686-1	Intersection traffic control	Modify control – Modern Roundabout			$6852		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441050-1	Intersection geometry	Intersection geometry - other			$34520		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441050-1	Intersection geometry	Intersection geometry - other			$4330		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441050-1	Intersection geometry	Intersection geometry - other			$4675		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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441050-1	Intersection geometry	Intersection geometry - other			$40627		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441050-1	Intersection geometry	Intersection geometry - other			$761		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441050-1	Intersection geometry	Intersection geometry - other			$115358		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441099-1	Intersection geometry	Intersection geometry - other			$444		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441099-1	Intersection geometry	Intersection geometry - other			$25245		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441099-1	Intersection geometry	Intersection geometry - other			$20338		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441119-1	Roadway	Roadway - other			$113561		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441119-1	Roadway	Roadway - other			$186377		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441135-2	Roadway	Roadway - other			$14110		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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441135-2	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441135-2	Roadway	Roadway - other			$3672		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441155-1	Pedestrians and bicyclists	Install sidewalk			$1636		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441194-1	Pedestrians and bicyclists	Install new crosswalk			$22109		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441194-1	Pedestrians and bicyclists	Install new crosswalk			$38199		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441194-1	Pedestrians and bicyclists	Install new crosswalk			$9872		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441194-1	Pedestrians and bicyclists	Install new crosswalk			$18031		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441194-1	Pedestrians and bicyclists	Install new crosswalk			$64327		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441194-2	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$7058		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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
441208-1	Intersection geometry	Intersection geometry - other			$19323		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441208-1	Intersection geometry	Intersection geometry - other			$33797		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441208-1	Intersection geometry	Intersection geometry - other			$92664		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441213-1	Intersection geometry	Intersection geometry - other			$100000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441213-1	Intersection geometry	Intersection geometry - other			$2591		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441214-1	Roadway	Roadway - other			$468		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441214-1	Roadway	Roadway - other			$2330		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441214-1	Roadway	Roadway - other			$999		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441218-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$23		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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441218-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441218-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$2286		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441218-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$164		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441219-1	Intersection geometry	Add/modify auxiliary lanes			$1206		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441219-1	Intersection geometry	Add/modify auxiliary lanes			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441219-1	Intersection geometry	Add/modify auxiliary lanes			$931		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441220-1	Roadway delineation	Roadway delineation - other			$50		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441364-1	Roadway	Roadway - other			$118		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441364-2	Roadway	Roadway - other			$1168		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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441366-1	Roadway	Roadway - other			$1459		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441366-1	Roadway	Roadway - other			$2427		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441389-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$89		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441389-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1877959		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441396-1	Shoulder treatments	Shoulder treatments - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441396-1	Shoulder treatments	Shoulder treatments - other			$433		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441551-1	Roadway	Roadway - other			$201142		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441551-1	Roadway	Roadway - other			$7855		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441663-2	Lighting	Lighting - other			$711288		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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441723-1	Roadway	Roadway - other			$710305		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
441742-2	Pedestrians and bicyclists	Install sidewalk			$55695		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441742-2	Pedestrians and bicyclists	Install sidewalk			$314		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441770-1	Intersection traffic control	Intersection traffic control - other			$1167092		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441770-1	Intersection traffic control	Intersection traffic control - other			$96533		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441775-1	Intersection traffic control	Intersection traffic control - other			$16903		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441775-1	Intersection traffic control	Intersection traffic control - other			$1596		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441776-1	Roadway	Roadway - other			$8864		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441776-1	Roadway	Roadway - other			$36936		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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441799-1	Lighting	Lighting - other			$1223651		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441799-1	Lighting	Lighting - other			$100754		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441799-1	Lighting	Lighting - other			$4426		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441827-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441827-1	Roadway	Roadway - other			$12537		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
441836-1	Roadway	Roadway - other			$514175		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441836-1	Roadway	Roadway - other			$69265		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441836-1	Roadway	Roadway - other			$5148		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
441944-2	Roadway	Roadway - other			$5860		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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442115-1	Lighting	Intersection lighting			$47873		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442116-1	Lighting	Intersection lighting			$64269		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442117-1	Lighting	Intersection lighting			$2573		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442122-1	Intersection geometry	Intersection geometry - other			$7538		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
442122-1	Intersection geometry	Intersection geometry - other			$6672		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
442123-2	Intersection traffic control	Modify control – Modern Roundabout			$5627		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
442123-2	Intersection traffic control	Modify control – Modern Roundabout			$10409		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
442123-2	Intersection traffic control	Modify control – Modern Roundabout			$2133		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
442123-2	Intersection traffic control	Modify control – Modern Roundabout			$64		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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442123-2	Intersection traffic control	Modify control – Modern Roundabout			$13640		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
442848-1	Lighting	Intersection lighting			$1524		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$2441		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$3710051		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$52121		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$472567		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$2594		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
442848-1	Lighting	Intersection lighting			$66449		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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443247-1	Roadway delineation	Roadway delineation - other			$152946		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443248-1	Roadway delineation	Roadway delineation - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443248-1	Roadway delineation	Roadway delineation - other			$378		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443250-1	Shoulder treatments	Shoulder treatments - other			$218700		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443283-1	Roadway	Roadway - other			$95096		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443294-1	Roadway	Roadway - other			$24166		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443393-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$9818		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443393-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$72657		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443393-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1070		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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443426-3	Lighting	Intersection lighting			$556		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443487-1	Intersection geometry	Intersection geometry - other			$3		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443487-1	Intersection geometry	Intersection geometry - other			$32850		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443487-1	Intersection geometry	Intersection geometry - other			$100432		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443487-1	Intersection geometry	Intersection geometry - other			$40726		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443488-1	Lighting	Horizontal curve lighting			$29		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443488-1	Lighting	Horizontal curve lighting			$10422		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443508-1	Roadway	Roadway - other			$768		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443511-1	Roadway	Roadway - other			$1386		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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443512-1	Roadway	Roadway - other			$4427		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443512-1	Roadway	Roadway - other			$20444		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443514-1	Intersection traffic control	Modify traffic signal –other			$277		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443514-1	Intersection traffic control	Modify traffic signal –other			$4849		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443514-1	Intersection traffic control	Modify traffic signal –other			$1493		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443544-1	Roadway	Roadway - other			$5508		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443545-1	Roadway	Roadway - other			$5838		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443545-1	Roadway	Roadway - other			$6903		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443546-1	Roadway	Roadway - other			$1339		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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443548-1	Roadway	Roadway - other			$95		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443548-1	Roadway	Roadway - other			$4413563		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443548-1	Roadway	Roadway - other			$606		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443548-1	Roadway	Roadway - other			$463425		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443580-1	Intersection traffic control	Modify traffic signal –other			$224		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443580-1	Intersection traffic control	Modify traffic signal –other			$11162		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443651-1	Roadway	Roadway - other			$328960		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443711-2	Intersection traffic control	Intersection traffic control - other			$300000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443711-2	Intersection traffic control	Intersection traffic control - other			$208		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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443769-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1164		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443769-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443769-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$486		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443780-3	Lighting	Lighting - other			$4687		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443844-1	Lighting	Intersection lighting			$371073		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443844-1	Lighting	Intersection lighting			$77122		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443844-1	Lighting	Intersection lighting			$1437		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443844-1	Lighting	Intersection lighting			$19911		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443847-1	Roadway	Roadway - other			$7778795		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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443847-1	Roadway	Roadway - other			$755348		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443847-1	Roadway	Roadway - other			$79903		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443847-1	Roadway	Roadway - other			$204890		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443855-1	Intersection traffic control	Modify traffic signal –other			$628		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443855-1	Intersection traffic control	Modify traffic signal –other			$363297		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443855-1	Intersection traffic control	Modify traffic signal –other			$3885		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443855-1	Intersection traffic control	Modify traffic signal –other			$255589		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443855-1	Intersection traffic control	Modify traffic signal –other			$20359		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443855-1	Intersection traffic control	Modify traffic signal –other			$4635		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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443875-1	Roadway	Roadway - other			$454		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$6835		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$531549		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$16569		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$8092		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$38596		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$296		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443875-1	Roadway	Roadway - other			$827		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443876-1	Roadway	Roadway - other			$1896		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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443876-1	Roadway	Roadway - other			$13031		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443876-1	Roadway	Roadway - other			$241772		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443876-1	Roadway	Roadway - other			$1736		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443876-1	Roadway	Roadway - other			$2628		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443876-1	Roadway	Roadway - other			$16779		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443876-1	Roadway	Roadway - other			$33732		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443876-1	Roadway	Roadway - other			$1689		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443877-1	Roadway	Roadway - other			$3211		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$885741		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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443877-1	Roadway	Roadway - other			$794		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$4376		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$89373		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$95050		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$43557		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$12585		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443877-1	Roadway	Roadway - other			$2457		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443896-1	Roadway	Roadway - other			$926086		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443902-1	Roadway	Roadway - other			$602796		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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443902-1	Roadway	Roadway - other			$45608		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443918-2	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1081		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443918-2	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$15590		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443918-2	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$7191		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443921-1	Roadway	Roadway - other			$796889		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443921-1	Roadway	Roadway - other			$6121		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
443932-1	Roadway	Roadway - other			$200939		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443932-1	Roadway	Roadway - other			$55480		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
443932-1	Roadway	Roadway - other			$5935		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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443932-2	Intersection traffic control	Modify traffic signal –other			$6438		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443936-1	Roadway	Roadway - other			$248850		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443936-1	Roadway	Roadway - other			$122973		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443936-1	Roadway	Roadway - other			$222094		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443936-1	Roadway	Roadway - other			$59076		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443936-1	Roadway	Roadway - other			$115417		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443936-1	Roadway	Roadway - other			$83009		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443937-2	Pedestrians and bicyclists	Pedestrian hybrid beacon			$75273		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443937-2	Pedestrians and bicyclists	Pedestrian hybrid beacon			$64894		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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443939-1	Roadway	Roadway - other			$358417		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
443939-1	Roadway	Roadway - other			$24030		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444016-1	Roadway	Roadway - other			$344		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444019-1	Roadway	Roadway - other			$3737		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444019-1	Roadway	Roadway - other			$1313		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444020-1	Roadway	Roadway - other			$3961		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444020-1	Roadway	Roadway - other			$2568985		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444020-1	Roadway	Roadway - other			$1822		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444020-1	Roadway	Roadway - other			$307482		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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444020-1	Roadway	Roadway - other			$27058		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444020-1	Roadway	Roadway - other			$4366		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444020-1	Roadway	Roadway - other			$2521		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444026-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444026-1	Roadway	Roadway - other			$492		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444027-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444027-1	Roadway	Roadway - other			$867		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444029-1	Roadway delineation	Roadway delineation - other			$504		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444030-2	Roadway delineation	Roadway delineation - other			$96		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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444031-1	Intersection geometry	Add/modify auxiliary lanes			$289		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444034-1	Lighting	Intersection lighting			$48		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444034-2	Lighting	Intersection lighting			$12870		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444038-2	Lighting	Intersection lighting			$240500		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444039-1	Roadway	Roadway - other			$165		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444039-1	Roadway	Roadway - other			$96682		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444039-1	Roadway	Roadway - other			$42956		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444039-1	Roadway	Roadway - other			$12179		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444040-1	Roadway	Roadway - other			$3259		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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444040-1	Roadway	Roadway - other			$5979		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444040-1	Roadway	Roadway - other			$799679		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444040-1	Roadway	Roadway - other			$6776		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444040-1	Roadway	Roadway - other			$11610		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444040-1	Roadway	Roadway - other			$11197		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444043-1	Roadway	Roadway - other			$384		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444043-1	Roadway	Roadway - other			$27126		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444043-1	Roadway	Roadway - other			$2138741		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444043-1	Roadway	Roadway - other			$27295		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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444043-1	Roadway	Roadway - other			$332926		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444043-1	Roadway	Roadway - other			$1429		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444044-1	Roadway	Roadway - other			$63209		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444044-1	Roadway	Roadway - other			$13610		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444044-1	Roadway	Roadway - other			$27971		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444044-1	Roadway	Roadway - other			$25948		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444045-1	Roadway	Roadway - other			$460		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444045-1	Roadway	Roadway - other			$397085		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444045-1	Roadway	Roadway - other			$4295		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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444045-1	Roadway	Roadway - other			$74340		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444045-1	Roadway	Roadway - other			$2398		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444046-1	Roadway	Roadway - other			$34		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444046-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444046-1	Roadway	Roadway - other			$14187		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444047-1	Lighting	Intersection lighting			$98		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
444049-1	Roadway	Roadway - other			$4582		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444210-1	Intersection geometry	Intersection geometry - other			$743559		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444210-1	Intersection geometry	Intersection geometry - other			$207983		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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444210-1	Intersection geometry	Intersection geometry - other			$10262		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444211-1	Intersection geometry	Intersection geometry - other			$805174		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444211-1	Intersection geometry	Intersection geometry - other			$207983		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444211-1	Intersection geometry	Intersection geometry - other			$10855		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444211-1	Intersection geometry	Intersection geometry - other			$1432		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444212-1	Intersection traffic control	Intersection traffic control - other			$3483		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444212-1	Intersection traffic control	Intersection traffic control - other			$44176		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444213-1	Intersection geometry	Intersection geometry - other			$10557		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
444213-1	Intersection geometry	Intersection geometry - other			$33186		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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444221-1	Pedestrians and bicyclists	Install sidewalk			$102554		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444221-1	Pedestrians and bicyclists	Install sidewalk			$72662		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444222-1	Pedestrians and bicyclists	Install sidewalk			$92973		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444222-1	Pedestrians and bicyclists	Install sidewalk			$69246		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444393-2	Roadway	Roadway - other			$-6180		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444393-2	Roadway	Roadway - other			$963		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
444393-2	Roadway	Roadway - other			$154		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445426-2	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445426-2	Roadway	Roadway - other			$194459		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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445426-2	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445426-2	Roadway	Roadway - other			$20664		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445426-2	Roadway	Roadway - other			$107073		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445507-1	Advanced technology and ITS	Wrong-way Driving Detection System			$2567		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445507-2	Advanced technology and ITS	Wrong-way Driving Detection System			$37		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445540-1	Intersection geometry	Intersection geometry - other			$259679		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445540-1	Intersection geometry	Intersection geometry - other			$1668591		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445540-1	Intersection geometry	Intersection geometry - other			$18177		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445540-1	Intersection geometry	Intersection geometry - other			$275484		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445540-1	Intersection geometry	Intersection geometry - other			$10464		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445540-1	Intersection geometry	Intersection geometry - other			$8062		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445554-1	Lighting	Continuous roadway lighting			$528		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1052		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$181043		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$1084617		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$895		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$69197		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$11214		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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445561-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$14929		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$1271		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$1779978		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$341		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$8900		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$266924		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445562-1	Intersection geometry	Intersection geometry - other			$4005		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445562-1	Intersection geometry	Intersection geometry - other			$7968		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$2204		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$6270		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$745473		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$2706		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$3144		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$583		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$5932		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$40123		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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445563-1	Roadway delineation	Roadway delineation - other			$5000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445563-1	Roadway delineation	Roadway delineation - other			$11488		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445565-1	Lighting	Lighting - other			$283		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445569-1	Roadway	Roadway - other			$176449		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445569-1	Roadway	Roadway - other			$4497		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445569-1	Roadway	Roadway - other			$12919		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445569-1	Roadway	Roadway - other			$1715		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445589-1	Lighting	Intersection lighting			$4543		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445589-1	Lighting	Intersection lighting			$1000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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445594-1	Lighting	Continuous roadway lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445594-1	Lighting	Continuous roadway lighting			$87		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445595-2	Lighting	Intersection lighting			$24735		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445599-2	Lighting	Continuous roadway lighting			$400		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445602-1	Roadway	Roadway - other			$45		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445603-1	Roadway	Roadway - other			$597		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445603-1	Roadway	Roadway - other			$169666		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445603-1	Roadway	Roadway - other			$5267		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445603-1	Roadway	Roadway - other			$20671		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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445603-1	Roadway	Roadway - other			$26119		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445603-1	Roadway	Roadway - other			$511		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445614-1	Pedestrians and bicyclists	Install sidewalk			$606		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445623-1	Lighting	Intersection lighting			$122788		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445623-1	Lighting	Intersection lighting			$724887		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445623-1	Lighting	Intersection lighting			$79931		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445623-1	Lighting	Intersection lighting			$6155		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445623-1	Lighting	Intersection lighting			$2915		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445623-1	Lighting	Intersection lighting			$3761		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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445624-1	Roadway	Roadway - other			$5860		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445656-1	Roadway	Roadway - other			$10512		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445656-1	Roadway	Roadway - other			$6960		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445656-1	Roadway	Roadway - other			$2316440		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445656-1	Roadway	Roadway - other			$2447		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445656-1	Roadway	Roadway - other			$102545		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445656-1	Roadway	Roadway - other			$3420		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445657-1	Roadway	Roadway - other			$7329		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445657-1	Roadway	Roadway - other			$6159		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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445657-1	Roadway	Roadway - other			$1268602		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445657-1	Roadway	Roadway - other			$9498		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445657-1	Roadway	Roadway - other			$51007		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445657-1	Roadway	Roadway - other			$4317		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445671-1	Intersection traffic control	Intersection traffic control - other			$45654		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445671-1	Intersection traffic control	Intersection traffic control - other			$315		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445684-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$796269		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445684-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$137133		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445684-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$89857		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
445684-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$11424		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445684-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$9213		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445685-1	Roadway	Roadway - other			$50		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445687-1	Roadway	Roadway - other			$900		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445687-1	Roadway	Roadway - other			$8403		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445687-1	Roadway	Roadway - other			$19171		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$1134		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$526374		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$78958		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$70633		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$62366		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$19396		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445688-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$2938		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445690-1	Roadway	Roadway - other			$1985		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445690-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445690-1	Roadway	Roadway - other			$1598863		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445690-1	Roadway	Roadway - other			$191857		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445690-1	Roadway	Roadway - other			$19545		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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445692-1	Intersection traffic control	Intersection traffic control - other			$1237209		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445692-1	Intersection traffic control	Intersection traffic control - other			$119745		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445693-1	Intersection traffic control	Intersection traffic control - other			$1464005		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445693-1	Intersection traffic control	Intersection traffic control - other			$112000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445693-1	Intersection traffic control	Intersection traffic control - other			$42140		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445695-1	Intersection traffic control	Intersection traffic control - other			$131		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445695-1	Intersection traffic control	Intersection traffic control - other			$1187619		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445695-1	Intersection traffic control	Intersection traffic control - other			$112000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445695-1	Intersection traffic control	Intersection traffic control - other			$24708		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445696-1	Roadway	Roadway - other			$393685		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445696-2	Roadway	Roadway - other			$1038195		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$310		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$1128518		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$47127		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$30269		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$17941		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445697-1	Roadway delineation	Roadway delineation - other			$2004		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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445701-1	Intersection traffic control	Intersection traffic control - other			$386		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445701-1	Intersection traffic control	Intersection traffic control - other			$12610		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445701-1	Intersection traffic control	Intersection traffic control - other			$118718		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445701-1	Intersection traffic control	Intersection traffic control - other			$16152		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445701-1	Intersection traffic control	Intersection traffic control - other			$8260		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445707-1	Intersection traffic control	Intersection traffic control - other			$2042		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445707-1	Intersection traffic control	Intersection traffic control - other			$760498		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445707-1	Intersection traffic control	Intersection traffic control - other			$68797		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445707-1	Intersection traffic control	Intersection traffic control - other			$11309		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445707-1	Intersection traffic control	Intersection traffic control - other			$3530		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445709-1	Roadway	Roadway - other			$1873259		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445709-1	Roadway	Roadway - other			$111548		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445709-1	Roadway	Roadway - other			$25674		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445715-1	Intersection traffic control	Intersection traffic control - other			$192472		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445715-1	Intersection traffic control	Intersection traffic control - other			$724246		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445715-1	Intersection traffic control	Intersection traffic control - other			$75187		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445715-1	Intersection traffic control	Intersection traffic control - other			$6386		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445715-1	Intersection traffic control	Intersection traffic control - other			$24179		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445715-1	Intersection traffic control	Intersection traffic control - other			$5559		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445716-1	Roadway	Roadway - other			$5430		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445716-1	Roadway	Roadway - other			$5985		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445745-1	Intersection geometry	Intersection geometry - other			$362149		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445745-1	Intersection geometry	Intersection geometry - other			$314898		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445745-1	Intersection geometry	Intersection geometry - other			$107873		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445745-1	Intersection geometry	Intersection geometry - other			$3397		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445745-1	Intersection geometry	Intersection geometry - other			$8584		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445746-1	Intersection geometry	Intersection geometry - other			$196924		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445747-1	Intersection geometry	Add/modify auxiliary lanes			$558301		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445747-1	Intersection geometry	Add/modify auxiliary lanes			$13037		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445747-1	Intersection geometry	Add/modify auxiliary lanes			$2734		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445747-1	Intersection geometry	Add/modify auxiliary lanes			$89905		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445747-1	Intersection geometry	Add/modify auxiliary lanes			$12384		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445747-1	Intersection geometry	Add/modify auxiliary lanes			$184		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445767-1	Intersection traffic control	Intersection traffic control - other			$870779		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445767-1	Intersection traffic control	Intersection traffic control - other			$193029		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445767-1	Intersection traffic control	Intersection traffic control - other			$85996		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445767-1	Intersection traffic control	Intersection traffic control - other			$20082		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445771-1	Intersection traffic control	Intersection traffic control - other			$148		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445771-1	Intersection traffic control	Intersection traffic control - other			$709625		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445771-1	Intersection traffic control	Intersection traffic control - other			$68797		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445771-1	Intersection traffic control	Intersection traffic control - other			$17336		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445772-1	Intersection traffic control	Intersection traffic control - other			$802		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445800-1	Intersection traffic control	Intersection traffic control - other			$5469		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445801-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$11936		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445801-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$2242375		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445801-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$85995		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445801-1	Intersection traffic control	Modify traffic signal – add backplates with retroreflective borders			$30370		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445813-1	Intersection traffic control	Intersection traffic control - other			$18		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445813-1	Intersection traffic control	Intersection traffic control - other			$783508		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445813-1	Intersection traffic control	Intersection traffic control - other			$71930		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445813-1	Intersection traffic control	Intersection traffic control - other			$38121		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445813-1	Intersection traffic control	Intersection traffic control - other			$16386		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445813-1	Intersection traffic control	Intersection traffic control - other			$3972		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445835-1	Intersection traffic control	Intersection traffic control - other			$18		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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445835-1	Intersection traffic control	Intersection traffic control - other			$31972		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445835-1	Intersection traffic control	Intersection traffic control - other			$41228		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445835-1	Intersection traffic control	Intersection traffic control - other			$29857		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445835-1	Intersection traffic control	Intersection traffic control - other			$24680		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445835-1	Intersection traffic control	Intersection traffic control - other			$848		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445855-1	Intersection traffic control	Intersection traffic control - other			$1231		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445867-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445867-1	Roadway	Roadway - other			$2776		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445867-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
445867-1	Roadway	Roadway - other			$36183		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445867-1	Roadway	Roadway - other			$1912612		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445867-1	Roadway	Roadway - other			$121690		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445867-1	Roadway	Roadway - other			$29141		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
445920-3	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445920-3	Lighting	Intersection lighting			$67		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
445992-1	Roadway	Roadway - other			$174868		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
446031-1	Intersection traffic control	Intersection traffic control - other			$4699		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446031-2	Intersection traffic control	Intersection traffic control - other			$1974		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
446094-1	Roadway	Roadway - other			$14938		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446159-2	Intersection traffic control	Intersection traffic control - other			$43181		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446159-2	Intersection traffic control	Intersection traffic control - other			$18247		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446159-2	Intersection traffic control	Intersection traffic control - other			$32		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446194-1	Roadway	Roadway - other			$42024		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446240-1	Intersection traffic control	Intersection traffic control - other			$6815		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446240-1	Intersection traffic control	Intersection traffic control - other			$25643		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446266-1	Roadway	Roadway - other			$654024		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
446269-1	Pedestrians and bicyclists	Pedestrian hybrid beacon			$105687		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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446269-1	Pedestrians and bicyclists	Pedestrian hybrid beacon			$43910		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
446269-1	Pedestrians and bicyclists	Pedestrian hybrid beacon			$225348		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
446269-1	Pedestrians and bicyclists	Pedestrian hybrid beacon			$33214		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
446698-1	Miscellaneous	Data analysis			$2019		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
446698-1	Miscellaneous	Data analysis			$16625		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
446698-2	Miscellaneous	Data analysis			$20734		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
446947-1	Advanced technology and ITS	Wrong-way Driving Detection System			$116023		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446947-1	Advanced technology and ITS	Wrong-way Driving Detection System			$17931		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446996-1	Lighting	Intersection lighting			$5317		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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446996-1	Lighting	Intersection lighting			$475		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446996-1	Lighting	Intersection lighting			$62139		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446996-1	Lighting	Intersection lighting			$50000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446997-1	Lighting	Intersection lighting			$5401		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446997-1	Lighting	Intersection lighting			$95376		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446998-1	Lighting	Intersection lighting			$7669		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446998-1	Lighting	Intersection lighting			$32856		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446999-1	Lighting	Intersection lighting			$3125		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446999-1	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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446999-1	Lighting	Intersection lighting			$50275		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
446999-1	Lighting	Intersection lighting			$20000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447000-1	Lighting	Intersection lighting			$2410		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447000-1	Lighting	Intersection lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447000-1	Lighting	Intersection lighting			$21781		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447000-1	Lighting	Intersection lighting			$20000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447001-1	Lighting	Intersection lighting			$1752		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447002-1	Lighting	Intersection lighting			$1556		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447002-1	Lighting	Intersection lighting			$6142		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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447003-1	Lighting	Intersection lighting			$4748		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447003-1	Lighting	Intersection lighting			$4665		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447042-2	Lighting	Intersection lighting			$143		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447122-2	Access management	Access management - other			$7361		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447145-1	Lighting	Intersection lighting			$7720		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447145-1	Lighting	Intersection lighting			$17897		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447166-1	Intersection geometry	Add/modify auxiliary lanes			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447166-1	Intersection geometry	Add/modify auxiliary lanes			$39		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447210-1	Intersection traffic control	Intersection traffic control - other			$1644		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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447211-1	Access management	Access management - other			$14988		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447211-1	Access management	Access management - other			$2702		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447211-1	Access management	Access management - other			$10207		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447290-1	Intersection geometry	Intersection geometry - other			$28282		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447290-1	Intersection geometry	Intersection geometry - other			$718701		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447290-1	Intersection geometry	Intersection geometry - other			$13559		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447290-1	Intersection geometry	Intersection geometry - other			$100713		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447290-1	Intersection geometry	Intersection geometry - other			$1143		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447290-1	Intersection geometry	Intersection geometry - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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447290-1	Intersection geometry	Intersection geometry - other			$1540		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447359-1	Intersection geometry	Intersection geometry - other			$1998		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447437-1	Roadway	Roadway - other			$846692		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447437-1	Roadway	Roadway - other			$119656		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447473-1	Roadway delineation	Roadway delineation - other			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447473-1	Roadway delineation	Roadway delineation - other			$2045		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447473-1	Roadway delineation	Roadway delineation - other			$72774		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447473-1	Roadway delineation	Roadway delineation - other			$47982		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447473-1	Roadway delineation	Roadway delineation - other			$47010		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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447475-1	Intersection geometry	Intersection geometry - other			$2463		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447475-1	Intersection geometry	Intersection geometry - other			$223		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447543-1	Lighting	Intersection lighting			$1275		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447543-1	Lighting	Intersection lighting			$57505		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447544-1	Lighting	Continuous roadway lighting			$149		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447544-1	Lighting	Continuous roadway lighting			$143716		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447544-1	Lighting	Continuous roadway lighting			$5860		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447545-1	Lighting	Continuous roadway lighting			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447545-1	Lighting	Intersection lighting			$12		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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447546-1	Intersection traffic control	Intersection traffic control - other			$12		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447546-1	Intersection traffic control	Intersection traffic control - other			$37027		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447547-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447547-1	Roadway	Roadway - other			$569		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447548-1	Lighting	Intersection lighting			$23		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447548-1	Lighting	Intersection lighting			$86214		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447549-1	Lighting	Intersection lighting			$1403		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447549-1	Lighting	Intersection lighting			$5860		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447550-1	Intersection geometry	Intersection geometry - other			$2246		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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447550-1	Intersection geometry	Intersection geometry - other			$5860		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447551-1	Lighting	Continuous roadway lighting			$107		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447552-1	Intersection traffic control	Intersection traffic control - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447552-1	Intersection traffic control	Intersection traffic control - other			$1136		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447552-1	Intersection traffic control	Intersection traffic control - other			$123573		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447553-1	Lighting	Continuous roadway lighting			$738		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447553-1	Lighting	Continuous roadway lighting			$157555		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447555-1	Roadway	Roadway - other			$3530		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447555-1	Roadway	Roadway - other			$1362		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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447575-1	Intersection geometry	Intersection geometry - other			$10404		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447582-1	Intersection geometry	Intersection geometry - other			$6598		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447582-1	Intersection geometry	Intersection geometry - other			$12642		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447583-1	Intersection geometry	Intersection geometry - other			$4329		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447602-1	Intersection traffic control	Intersection traffic control - other			$493076		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447605-1	Intersection traffic control	Modify control – Modern Roundabout			$1		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447605-1	Intersection traffic control	Modify control – Modern Roundabout			$118		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447803-1	Roadway	Roadway - other			$111992		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447803-1	Roadway	Roadway - other			$111991		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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
447808-1	Roadway	Roadway - other			$247265		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447809-1	Roadway	Roadway - other			$30625		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447809-1	Roadway	Roadway - other			$34534		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447845-1	Lighting	Continuous roadway lighting			$23		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447845-2	Lighting	Continuous roadway lighting			$413		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
447870-1	Roadway	Roadway - other			$2090		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447871-1	Roadway	Roadway - other			$2936		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447871-1	Roadway	Roadway - other			$5753		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
447872-1	Roadway	Roadway - other			$2332		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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
447874-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447874-1	Roadway	Roadway - other			$11791		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447875-1	Access management	Access management - other			$1014		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447875-1	Access management	Access management - other			$63708		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447878-1	Access management	Access management - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447878-1	Access management	Access management - other			$2171		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447878-1	Access management	Access management - other			$46852		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447878-1	Access management	Access management - other			$87010		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447878-1	Access management	Access management - other			$557219		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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447878-1	Access management	Access management - other			$57585		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447880-1	Access management	Access management - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447880-1	Access management	Access management - other			$842		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447880-1	Access management	Access management - other			$278239		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447882-1	Access management	Access management - other			$1382		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447883-1	Access management	Access management - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447883-1	Access management	Access management - other			$20		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447886-1	Access management	Access management - other			$383		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447887-1	Access management	Access management - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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447887-1	Access management	Access management - other			$180		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447887-1	Access management	Access management - other			$31642		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447887-1	Access management	Access management - other			$379426		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
447887-1	Access management	Access management - other			$27422		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448390-1	Roadway	Roadway - other			$20429		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448390-1	Roadway	Roadway - other			$1719		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448390-1	Roadway	Roadway - other			$139		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448701-1	Roadway	Roadway - other			$2388387		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448778-1	Lighting	Continuous roadway lighting			$12189		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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448944-1	Roadway	Roadway - other			$255508		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448945-1	Miscellaneous	Training and workforce development			$317491		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
448958-1	Miscellaneous	Data analysis			$918752		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Data	Engineering
449129-5	Roadway	Roadway - other			$1926695		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449129-5	Roadway	Roadway - other			$12379		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449129-5	Roadway	Roadway - other			$193855		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449214-1	Intersection geometry	Innovative Intersection (e.g. MUT, RCUT, QR)			$85092		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449214-1	Intersection geometry	Innovative Intersection (e.g. MUT, RCUT, QR)			$194633		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449234-1	Intersection traffic control	Modify control – Modern Roundabout			$211452		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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449235-1	Intersection geometry	Intersection geometry - other			$242155		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449235-1	Intersection geometry	Intersection geometry - other			$23790		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449278-1	Lighting	Continuous roadway lighting			$74300		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449279-1	Lighting	Continuous roadway lighting			$107682		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449280-1	Roadway	Roadway - other			$7242		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449280-1	Roadway	Roadway - other			$315155		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449281-1	Roadway	Roadway - other			$125648		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449281-1	Roadway	Roadway - other			$21240		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449282-1	Intersection traffic control	Intersection traffic control - other			$3142		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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449282-1	Intersection traffic control	Intersection traffic control - other			$17215		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449283-1	Intersection traffic control	Intersection traffic control - other			$389037		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449283-1	Intersection traffic control	Intersection traffic control - other			$129657		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449299-2	Roadway delineation	Roadway delineation - other			$3250		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449347-1	Intersection traffic control	Intersection traffic control - other			$235932		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449347-1	Intersection traffic control	Intersection traffic control - other			$49981		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449360-1	Roadway	Roadway - other			$12974		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449360-1	Roadway	Roadway - other			$106718		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449360-1	Roadway	Roadway - other			$144362		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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449361-1	Pedestrians and bicyclists	Install new crosswalk			$113260		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
449361-1	Pedestrians and bicyclists	Install new crosswalk			$112501		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
449446-1	Lighting	Intersection lighting			$437138		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449446-1	Lighting	Intersection lighting			$36250		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449656-1	Roadway	Roadway - other			$2050		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
449656-1	Roadway	Roadway - other			$10742		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
449656-1	Roadway	Roadway - other			$245505		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
449656-1	Roadway	Roadway - other			$46490		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
449843-1	Intersection geometry	Intersection geometry - other			$6846		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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449844-1	Intersection traffic control	Intersection traffic control - other			$13715		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
449868-1	Roadway	Roadway - other			$4164		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
449870-1	Roadway	Roadway - other			$45		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
449872-1	Roadway	Roadway - other			$7281		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
451003-1	Intersection traffic control	Intersection traffic control - other			$197030		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
451003-1	Intersection traffic control	Intersection traffic control - other			$2821		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
451235-1	Miscellaneous	Data collection			$299000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
451358-1	Intersection geometry	Intersection geometry - other			$253100		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
452212-2	Roadway	Rumble strips – center			$15494		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering

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452212-3	Roadway	Rumble strips – center			$77734		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
452226-1	Roadway	Rumble strips – center			$2568		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
452227-1	Roadway	Rumble strips – center			$3170		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
452229-1	Roadway	Rumble strips – center			$111791		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Lane Departure	Engineering
452229-4	Roadway	Rumble strips – center			$74361		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
452229-5	Roadway	Rumble strips – center			$54630		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
453105-1	Miscellaneous	Data analysis			$154262		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Data	Engineering
453105-1	Miscellaneous	Data analysis			$245727		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Data	Engineering
422814-1	Roadway	Roadway - other			$281708		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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422814-2	Roadway	Roadway - other			$428758		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-1	Roadway	Roadway - other			$1133797		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-1	Roadway	Roadway - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-1	Roadway	Roadway - other			$1842536		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-2	Roadway	Roadway - other			$134432		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-5	Roadway	Roadway - other			$1000000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-6	Roadway	Roadway - other			$278957		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-6	Roadway	Roadway - other			$6000000		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
433144-6	Roadway	Roadway - other			$252038		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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438135-4	Pedestrians and bicyclists	Install sidewalk			$557		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439691-1	Pedestrians and bicyclists	Install sidewalk			$49		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439691-1	Pedestrians and bicyclists	Install sidewalk			$28		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439692-1	Pedestrians and bicyclists	Install sidewalk			$51		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439698-1	Pedestrians and bicyclists	Install sidewalk			$1520		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439698-1	Pedestrians and bicyclists	Install sidewalk			$36		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439698-1	Pedestrians and bicyclists	Install sidewalk			$3832		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439894-1	Pedestrians and bicyclists	Install sidewalk			$108		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
439895-1	Pedestrians and bicyclists	Install sidewalk			$66		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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
439896-1	Pedestrians and bicyclists	Install sidewalk			$1636		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
440385-1	Pedestrians and bicyclists	Install sidewalk			$175265		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
440385-1	Pedestrians and bicyclists	Install sidewalk			$85		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
440385-1	Pedestrians and bicyclists	Install sidewalk			$43421		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441103-1	Pedestrians and bicyclists	Install sidewalk			$163		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441104-1	Pedestrians and bicyclists	Install sidewalk			$1968		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441107-1	Pedestrians and bicyclists	Install sidewalk			$136		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441153-1	Pedestrians and bicyclists	Install sidewalk			$1329		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441154-1	Pedestrians and bicyclists	Install sidewalk			$384		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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441154-1	Pedestrians and bicyclists	Install sidewalk			$1734		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441154-1	Pedestrians and bicyclists	Install sidewalk			$206523		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441154-1	Pedestrians and bicyclists	Install sidewalk			$441		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441154-1	Pedestrians and bicyclists	Install sidewalk			$3500		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441154-1	Pedestrians and bicyclists	Install sidewalk			$220		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441155-1	Pedestrians and bicyclists	Install sidewalk			$397		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441160-1	Pedestrians and bicyclists	Install sidewalk			$2712		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441160-1	Pedestrians and bicyclists	Install sidewalk			$262		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441160-1	Pedestrians and bicyclists	Install sidewalk			$6467		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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441196-1	Pedestrians and bicyclists	Install sidewalk			$1582		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441196-1	Pedestrians and bicyclists	Install sidewalk			$2680		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441196-1	Pedestrians and bicyclists	Install sidewalk			$36448		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441480-1	Pedestrians and bicyclists	Install sidewalk			$607595		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441481-1	Pedestrians and bicyclists	Install sidewalk			$417646		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441481-1	Pedestrians and bicyclists	Install sidewalk			$367		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441481-2	Pedestrians and bicyclists	Install sidewalk			$71072		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
441761-1	Pedestrians and bicyclists	Install sidewalk			$137		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443292-2	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$212450		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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443394-1	Pedestrians and bicyclists	Install sidewalk			$179		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443395-2	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$105420		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443581-1	Pedestrians and bicyclists	Install sidewalk			$648		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443581-1	Pedestrians and bicyclists	Install sidewalk			$362184		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443582-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$91799		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
443582-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$6885		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444219-1	Pedestrians and bicyclists	Install sidewalk			$659		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444219-1	Pedestrians and bicyclists	Install sidewalk			$47486		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444219-2	Pedestrians and bicyclists	Install sidewalk			$23859		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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444220-1	Pedestrians and bicyclists	Install sidewalk			$1817		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-1	Pedestrians and bicyclists	Install sidewalk			$1903		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-2	Pedestrians and bicyclists	Install sidewalk			$4919		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-2	Pedestrians and bicyclists	Install sidewalk			$1583		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-2	Pedestrians and bicyclists	Install sidewalk			$556580		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-2	Pedestrians and bicyclists	Install sidewalk			$181		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-2	Pedestrians and bicyclists	Install sidewalk			$87396		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444220-2	Pedestrians and bicyclists	Install sidewalk			$1254		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444221-1	Pedestrians and bicyclists	Install sidewalk			$367		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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444221-1	Pedestrians and bicyclists	Install sidewalk			$55767		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444222-1	Pedestrians and bicyclists	Install sidewalk			$724		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444222-1	Pedestrians and bicyclists	Install sidewalk			$24268		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444237-1	Pedestrians and bicyclists	Install sidewalk			$382419		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444237-1	Pedestrians and bicyclists	Install sidewalk			$2869		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444237-1	Pedestrians and bicyclists	Install sidewalk			$11472		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444240-1	Pedestrians and bicyclists	Install sidewalk			$313		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444240-1	Pedestrians and bicyclists	Install sidewalk			$886164		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444240-1	Pedestrians and bicyclists	Install sidewalk			$260		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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444240-1	Pedestrians and bicyclists	Install sidewalk			$26584		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444273-2	Pedestrians and bicyclists	Install sidewalk			$36701		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444274-1	Pedestrians and bicyclists	Install sidewalk			$19380		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444295-1	Pedestrians and bicyclists	Install sidewalk			$1070		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444295-1	Pedestrians and bicyclists	Install sidewalk			$153793		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444295-1	Pedestrians and bicyclists	Install sidewalk			$269		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444295-1	Pedestrians and bicyclists	Install sidewalk			$24114		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444307-1	Pedestrians and bicyclists	Install sidewalk			$2508		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
444307-1	Pedestrians and bicyclists	Install sidewalk			$48949		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering

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445571-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$12		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445571-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$319475		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445571-1	Pedestrians and bicyclists	Pedestrians and bicyclists – other			$2644		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445613-1	Pedestrians and bicyclists	Install sidewalk			$85230		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
445614-1	Pedestrians and bicyclists	Install sidewalk			$97501		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
448029-1	Pedestrians and bicyclists	Install sidewalk			$119252		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Pedestrians and bicyclists	Engineering
453069-1	Roadway	Roadway - other			$263368		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$4176		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
220838-5	Roadway	Roadway - other			$78304		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering

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254647-1	Roadway	Roadway - other			$163971		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Multiple	Engineering
432584-3	Intersection traffic control	Intersection traffic control - other			$1754		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445692-1	Intersection traffic control	Intersection traffic control - other			$1646		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445701-1	Intersection traffic control	Intersection traffic control - other			$567		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445715-1	Intersection traffic control	Intersection traffic control - other			$1353		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445771-1	Intersection traffic control	Intersection traffic control - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
445772-1	Intersection traffic control	Intersection traffic control - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446031-1	Intersection traffic control	Intersection traffic control - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
446031-2	Intersection traffic control	Intersection traffic control - other			$1		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering

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446159-2	Intersection traffic control	Intersection traffic control - other			$1699		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Intersections	Engineering
435426-1	Railroad grade crossings	Railroad grade crossings - other			$489203		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
438645-1	Railroad grade crossings	Railroad grade crossings - other			$233130		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
438881-1	Railroad grade crossings	Railroad grade crossings - other			$306842		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
438886-1	Railroad grade crossings	Railroad grade crossings - other			$216627		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
440472-1	Railroad grade crossings	Railroad grade crossings - other			$251173		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
440483-1	Railroad grade crossings	Railroad grade crossings - other			$6502		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
440592-1	Railroad grade crossings	Railroad grade crossings - other			$9955		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
440830-1	Railroad grade crossings	Railroad grade crossings - other			$196276		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering

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440831-1	Railroad grade crossings	Railroad grade crossings - other			$279076		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
440832-1	Railroad grade crossings	Railroad grade crossings - other			$388468		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
442216-1	Railroad grade crossings	Railroad grade crossings - other			$27000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
442320-1	Railroad grade crossings	Railroad grade crossings - other			$86891		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
442321-1	Railroad grade crossings	Railroad grade crossings - other			$52428		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
443984-1	Railroad grade crossings	Railroad grade crossings - other			$17081		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
444385-1	Railroad grade crossings	Railroad grade crossings - other			$36841		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
446708-1	Railroad grade crossings	Railroad grade crossings - other			$141295		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
446711-1	Railroad grade crossings	Railroad grade crossings - other			$822751		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering

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
446774-1	Railroad grade crossings	Railroad grade crossings - other			$700		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
446778-1	Railroad grade crossings	Railroad grade crossings - other			$20331		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
447742-1	Railroad grade crossings	Railroad grade crossings - other			$17011		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
447915-2	Railroad grade crossings	Railroad grade crossings - other			$22811		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
447915-4	Railroad grade crossings	Railroad grade crossings - other			$54341		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
447915-5	Railroad grade crossings	Railroad grade crossings - other			$183238		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
447937-1	Railroad grade crossings	Railroad grade crossings - other			$87588		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
448056-1	Railroad grade crossings	Railroad grade crossings - other			$394187		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
448689-1	Railroad grade crossings	Railroad grade crossings - other			$309125		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering

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
448713-1	Railroad grade crossings	Railroad grade crossings - other			$38033		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
448855-1	Railroad grade crossings	Railroad grade crossings - other			$4000		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
448901-1	Railroad grade crossings	Railroad grade crossings - other			$2800		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
449004-1	Railroad grade crossings	Railroad grade crossings - other			$52692		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
449418-1	Railroad grade crossings	Railroad grade crossings - other			$339390		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
449637-1	Railroad grade crossings	Railroad grade crossings - other			$304480		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
450043-1	Railroad grade crossings	Railroad grade crossings - other			$57399		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
450046-1	Railroad grade crossings	Railroad grade crossings - other			$495978		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
451298-1	Railroad grade crossings	Railroad grade crossings - other			$206097		HSIP (23 U.S.C. 148)			0		Other Local Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering

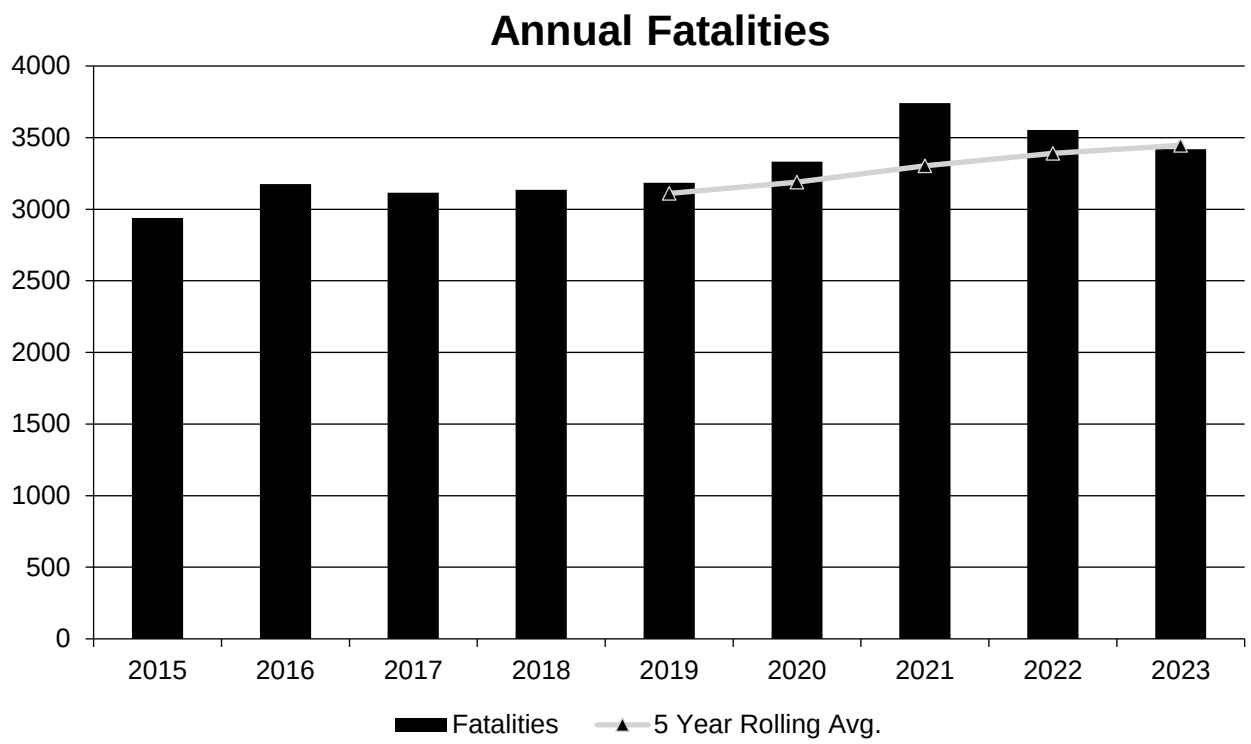
PROJECT NAME	IMPROVEMENT CATEGORY	SUBCATEGORY	OUTPUTS	OUTPUT TYPE	HSIP PROJECT COST($)	TOTAL PROJECT COST($)	FUNDING CATEGORY	LAND USE/AREA TYPE	FUNCTIONAL CLASSIFICATION	AADT	SPEED OR SPEED RANGE	OWNERSHIP	METHOD FOR SITE SELECTION	SHSP EMPHASIS AREA	SHSP STRATEGY
451299-1	Railroad grade crossings	Railroad grade crossings - other			$324795		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
451300-1	Railroad grade crossings	Railroad grade crossings - other			$404239		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
451301-1	Railroad grade crossings	Railroad grade crossings - other			$333866		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering
451338-1	Railroad grade crossings	Railroad grade crossings - other			$268757		HSIP (23 U.S.C. 148)			0		State Highway Agency	Benefit-cost ratio, net present value, or similar	Rail	Engineering

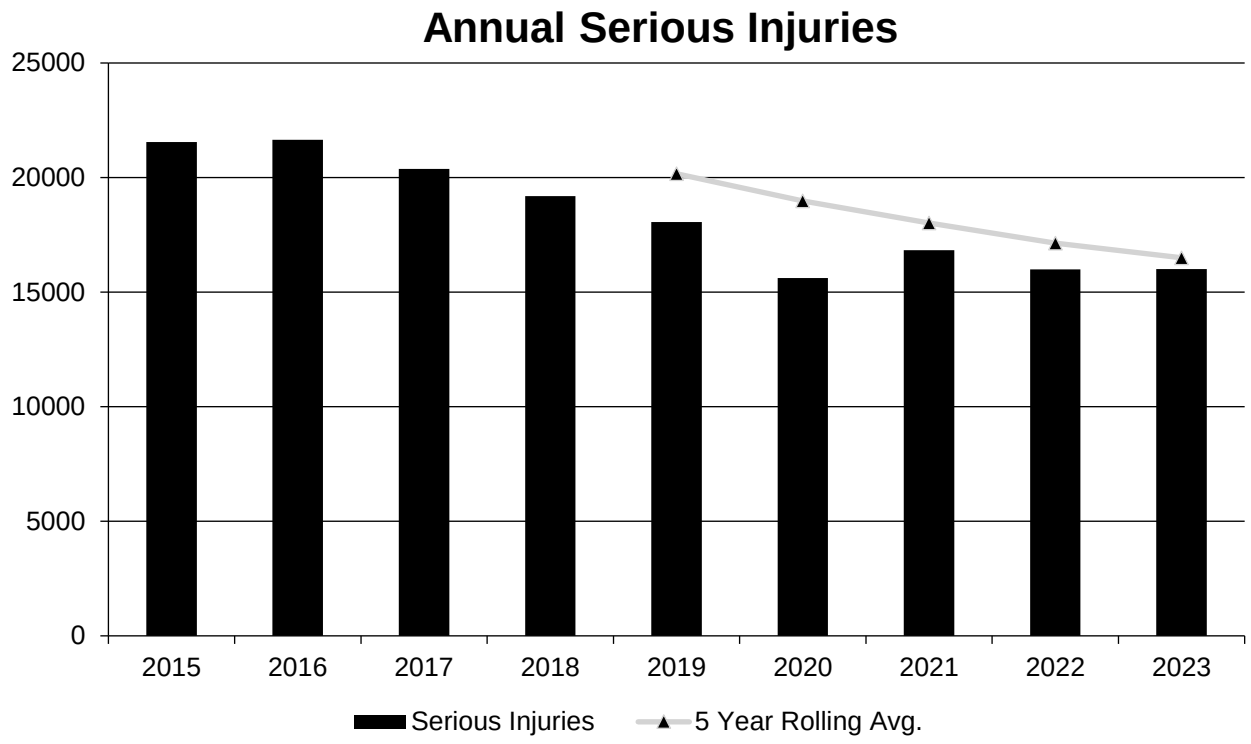
Safety Performance

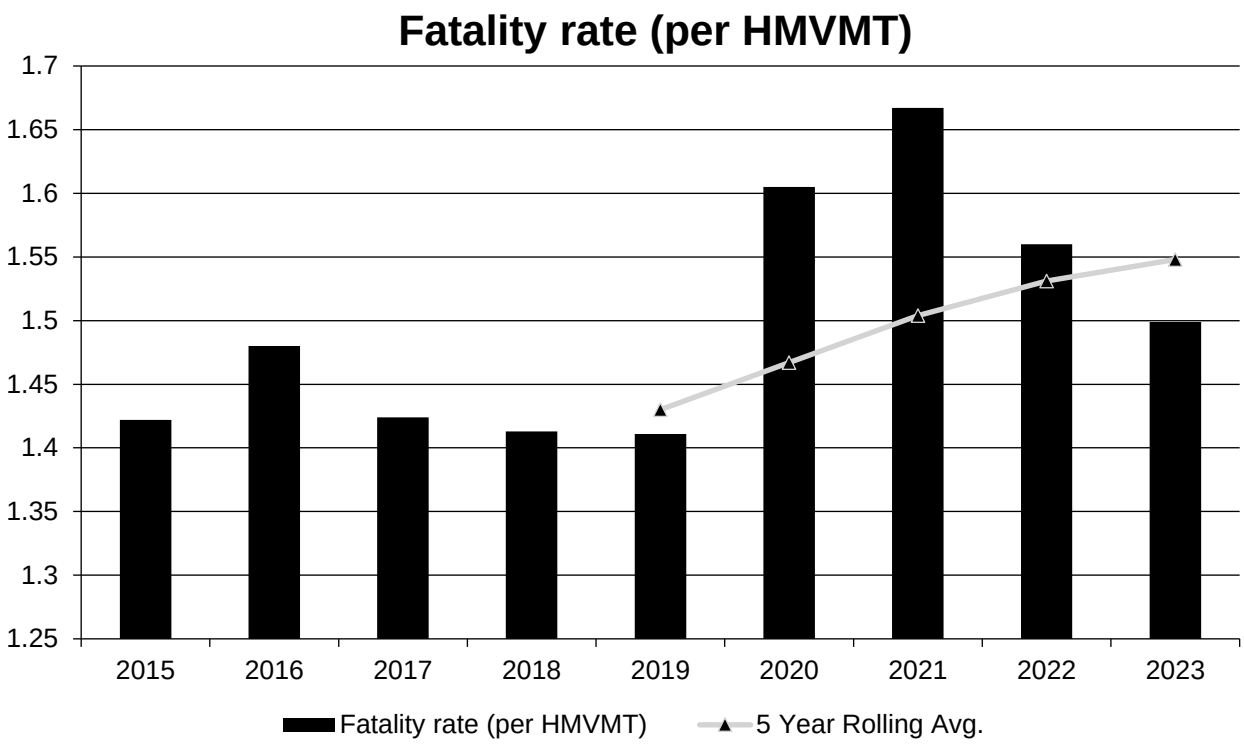
General Highway Safety Trends

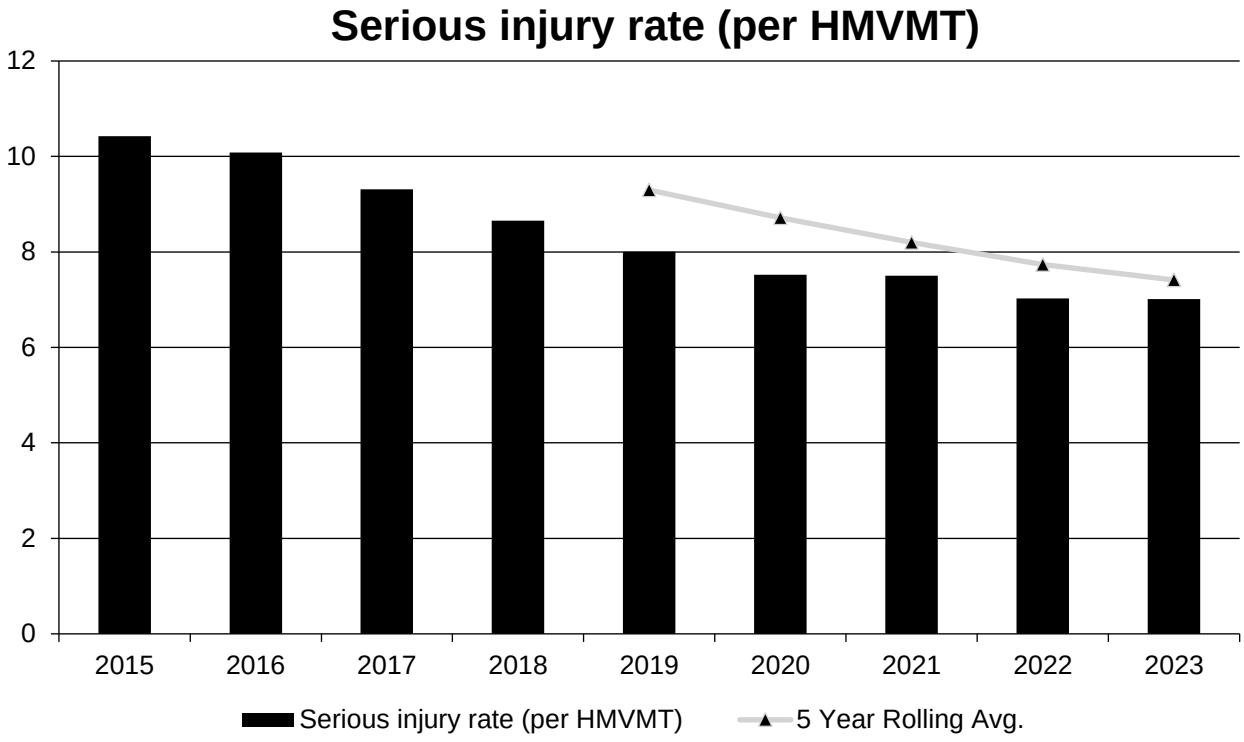
Present data showing the general highway safety trends in the State for the past five years.

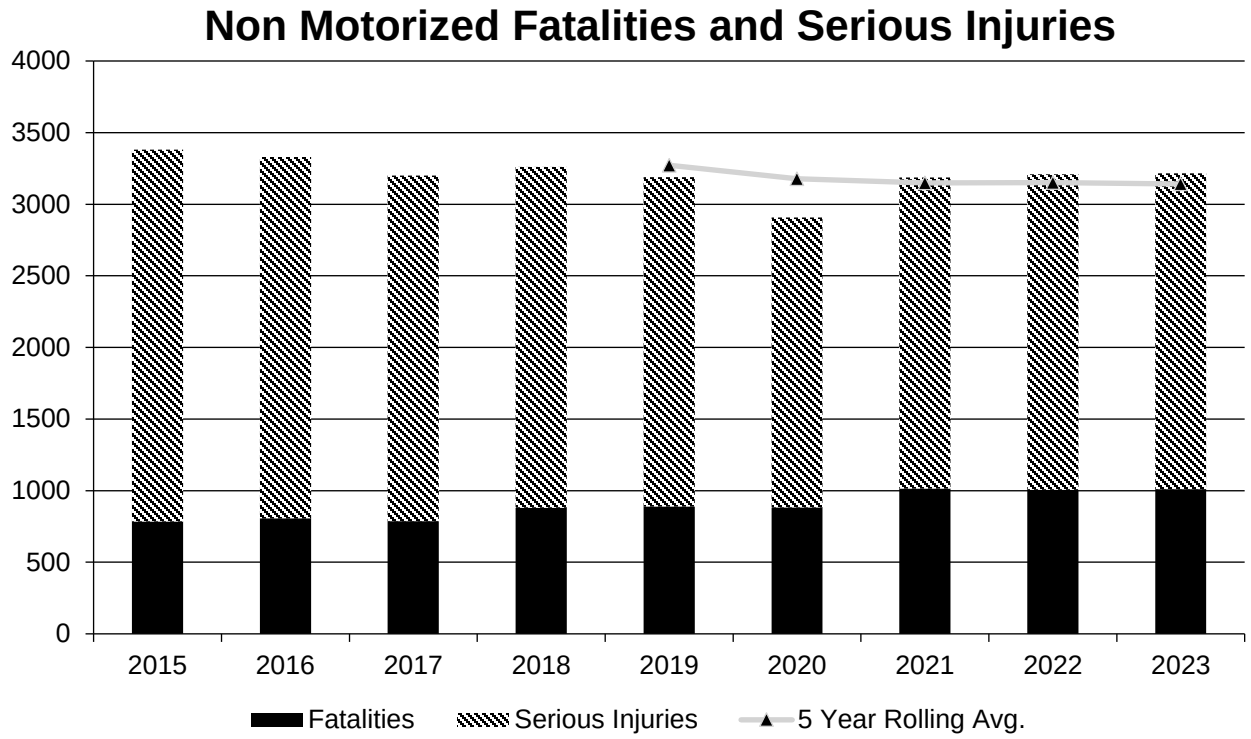
PERFORMANCE MEASURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fatalities	2,939	3,176	3,116	3,135	3,185	3,332	3,741	3,553	3,419
Serious Injuries	21,551	21,645	20,380	19,196	18,063	15,614	16,826	15,996	16,000
Fatality rate (per HMVMT)	1.422	1.480	1.424	1.413	1.411	1.605	1.667	1.560	1.499
Serious injury rate (per HMVMT)	10.426	10.084	9.313	8.654	8.002	7.521	7.499	7.023	7.016
Number non-motorized fatalities	785	807	787	880	890	884	1,015	1,006	1,011
Number of non-motorized serious injuries	2,596	2,523	2,414	2,381	2,298	2,024	2,171	2,203	2,204


Annual Fatalities
4000
3500
3000
2500
2000
1500
1000
500
0
2015
2016
2017
2018
2019
2020
2021
2022
2023
Fatalities
5 Year Rolling Avg.


Annual Serious Injuries
25000
20000
15000
10000
5000
0
2015
2016
2017
2018
2019
2020
2021
2022
2023
Serious Injuries
5 Year Rolling Avg.


Fatality rate (per HMVMT)
1.7
1.65
1.6
1.55
1.5
1.45
1.4
1.35
1.3
1.25
2015
2016
2017
2018
2019
2020
2021
2022
2023
Fatality rate (per HMVMT)
5 Year Rolling Avg.


Serious injury rate (per HMVMT)
12
10
8
6
4
2
0
2015
2016
2017
2018
2019
2020
2021
2022
2023
Serious injury rate (per HMVMT)
5 Year Rolling Avg.



The latest reported year for performance measures is based on the latest available (1) official crash records from FLHSMV and (2) vehicular miles travelled from FDOT Transportation Data and Analytics.

[Source: Florida Highway Safety Improvement Program Annual Report, 2023]
[Source: Traffic Crash Facts, 2022]
[Source: Florida Crash Dashboard (https://www.flhsmv.gov/traffic-crash-reports/crash-dashboard/) by FLHSMV as of 2024-06-24]
[Source: FDOT Public Mileage Report, 2009-2022]

Describe fatality data source.

State Motor Vehicle Crash Database

Florida Highway Safety and Motor Vehicles (FLHSMV) is the official repository of crash records for the State of Florida. FLHSMV supports the state motor vehicle crash database. Access to the data is available through the Traffic Crash Facts annual report or through the Florida Crash Dashboard. FLHSMV reports fatality data to the Fatality Analysis Reporting System (FARS).

[Source: Traffic Crash Facts Annual Report, 2022]
[Source: Florida Crash Dashboard (https://www.flhsmv.gov/traffic-crash-reports/crash-dashboard/) as of 2024-06-24]

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	75.6	305.2	0.67	2.7
Rural Principal Arterial (RPA) - Other Freeways and Expressways	229	713.6	10.17	31.59
Rural Principal Arterial (RPA) - Other	13.4	56.4	0.15	0.62
Rural Minor Arterial	105.8	339.6	2.54	8.01
Rural Minor Collector	44	40.8	484.57	2.48
Rural Major Collector	97.2	117	2.32	2.7
Rural Local Road or Street	160.2	39.6	2.82	0.7
Urban Principal Arterial (UPA) - Interstate	201	964.2	0.64	3.08
Urban Principal Arterial (UPA) - Other Freeways and Expressways	87	340.2	0.54	2.11
Urban Principal Arterial (UPA) - Other	930.6	4,590.4	2	9.81
Urban Minor Arterial	543.4	1,506.2	1.8	4.99
Urban Minor Collector	40.8	77.8	1.03	2.02
Urban Major Collector	248.6	452.6	1.2	2.24
Urban Local Road or Street	138.4	66.4	0.35	0.17

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	2,616.4	9,504	2.03	7.22
County Highway Agency				
Town or Township Highway Agency				
City or Municipal Highway Agency				
State Park, Forest, or Reservation Agency				
Local Park, Forest or Reservation Agency				
Other State Agency				
Other Local Agency	769.4	7,619.2	1.68	16.74
Private (Other than Railroad)				
Railroad				
State Toll Authority				
Local Toll Authority				
Other Public Instrumentality (e.g. Airport, School, University)				
Indian Tribe Nation				

General highway safety measures are based on crash records from FLHSMV in conjunction with geolocation, linearly referenced data, and vehicle miles travelled from FDOT.

[Source: Florida Highway Safety Improvement Program Annual Report, 2023]
[Source: Traffic Crash Facts, 2022]
[Source: Florida Crash Dashboard (https://www.flhsmv.gov/traffic-crash-reports/crash-dashboard/) by FLHSMV as of 2024-07-15]
[Source: Signal 4 Analytics system, as of 2024-07-15]
[Source: FDOT Public Mileage Report, 2009-2023]

Provide additional discussion related to general highway safety trends.

While 95 percent of Floridians live in urban counties, nearly half of Florida’s 67 counties are rural. Florida is committed to reducing crashes on all roadways, from those in congested urban areas to those in rural communities. Safety countermeasures for high risk rural roads are prioritized through collaboration with local governments and, where applicable, MPOs, and support targeted efforts for local road system improvements.

[Source: Florida Strategic Highway Safety Plan, 2021]

Safety Performance Targets

Safety Performance Targets

Calendar Year 2025 Targets *

Number of Fatalities:0.0

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

Target: Florida's target for fatalities is zero in FY 2024–2026.

Annual Performance Forecast: Based on statistical forecasting, the five-year rolling average for total fatalities on Florida's roads is forecasted, as shown in the table below. This forecast was made with historical and current state data from 2007 to 2022 to predict probable outcomes for 2023 through 2026.

Table: Fatalities

Year	*Target*	*Upper*	*Lower*
2023	0	4,052	2,808
2024	0	4,208	2,683
2025	0	4,350	2,520
2026	0	4,482	2,369

Strategy: The data forecast indicates Florida's five-year rolling average for fatalities could slowly trend downward in 2023 through 2026. The FDOT State Safety Office intends to execute the subgrants identified in the FY2024 annual application in areas with high frequency of fatalities to increase preventative measures such as enforcement of traffic laws, education of traffic laws and safety practices, provide and educate regarding alternate transportation methods, public traffic safety outreach and education, coordination of external safety partners to implement additional unified education methods, and other strategies consistent with traffic safety improvement planning. While the data forecast indicates Florida's five-year rolling average for fatalities could slowly trend downward in 2023 through 2026, the FDOT State Safety Office expects the projects chosen for funding and included in the FY2024 annual application will enhance the downward trend to ultimately reduce the number of fatalities.

Justification: Forecasts were made using a three-step analytical approach consisting of exploratory analysis, development of pre-forecast to choose a preferred model for each measure, and development of the final forecast. The exploratory analysis tested multiple independent variables (in addition to the stratification of the dependent safety measure variable into two categories) to assess statistical association. The results showed that fatalities are statistically correlated with VMT, gas consumption, vehicle registration and Florida GDP - with weak to moderate explanatory power. While the exploratory analysis identified correlations with multiple independent variables - the pre-forecasting process indication that most of the independent variables were not useful in estimating future fatalities or serious injuries. An ARIMA model was ultimately chosen which uses

past values of the dependent variable as independent variables (e.g., fatalities) and year-to-year difference in the values to forecast future values.

Number of Serious Injuries:0.0

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

Target: Florida's target for serious injuries is zero in FY 2024–2026.

Annual Performance Forecast: Based on statistical forecasting, the five-year rolling average for total serious injuries on Florida's roads is forecasted, as shown in the table below. This forecast was made with historical and current state data from 2007 to 2022 to predict probable outcomes for 2023 through 2026.

Table: Serious Injuries

Year	*Target*	*Upper*	*Lower*
2023	0	17,274	11,866
2024	0	17,177	10,404
2025	0	16,988	9,039
2026	0	16,785	7,722

Strategy: The data forecast indicates Florida's five-year rolling average for serious injuries will continue to trend downward in 2023 through 2026. The FDOT State Safety Office intends to execute the subgrants identified in the FY2024 annual application in areas with high frequency of serious injuries to increase preventative measures, such as enforcement of traffic laws, education of traffic laws and safety practices, provide and educate regarding alternate transportation methods, public traffic safety outreach and education, coordination of external safety partners to implement additional unified education methods, and other strategies consistent with traffic safety improvement planning. While the data forecast indicates Florida's five-year rolling average for fatalities will trend downward in 2023 through 2026, the FDOT State Safety Office expects the projects chosen for funding and included in the FY2024 annual application will enhance the downward trend to ultimately reduce the number of serious injuries.

Justification: Forecasts were made using a three-step analytical approach consisting of exploratory analysis, development of pre-forecast to choose a preferred model for each measure, and development of the final forecast. The exploratory analysis tested multiple independent variables (in addition to the stratification of the dependent safety measure variable into two categories) to assess statistical association. The results showed that fatalities are statistically correlated with VMT, gas consumption, vehicle registration, and Florida GDP with weak to moderate explanatory power. While the exploratory analysis identified correlations with multiple independent variables, the pre-forecasting process
indication that most of the independent variables were not useful in estimating future fatalities or serious injuries. An ARIMA model was ultimately chosen, which uses past values of the dependent variable as independent variables (e.g., fatalities) and year-to-year difference in the values to forecast future values.

Fatality Rate:0.000

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

Target: Florida's target for fatality rate is zero in FY 2024–2026.

Annual Performance Forecast: Based on statistical forecasting, the five-year rolling average for total fatality rate per 100M VMT on Florida's roads is forecasted, as shown in the table below. This forecast was made with historical and current state data from 2007 to 2022 to predict probable outcomes for 2023 through 2026.

Table: Fatality Rate

Year	*Target*	*Upper*	*Lower*
2023	0	1.75	1.15
2024	0	1.85	1.03
2025	0	1.93	0.93
2026	0	2.00	0.84

Strategy: The data forecast indicates Florida's five-year rolling average for fatality rate could trend slowly downward in 2023 through 2026. The FDOT State Safety Office intends to execute the subgrants identified in the FY2024 annual application in areas with high frequency of fatalities to increase preventative measures, such as enforcement of traffic laws, education of traffic laws and safety practices, provide and educate regarding alternate transportation methods, public traffic safety outreach and education, coordination of external safety partners to implement additional unified education methods, and other strategies consistent with traffic safety improvement planning. While the data
forecast indicates Florida's five-year rolling average for fatalities will trend downward in 2023 through 2026, the FDOT State Safety Office expects the projects chosen for funding and included in the FY2024 annual application will enhance the downward trend to ultimately reduce the fatality rate per 100M VMT.

Justification: Forecasts were made using a three-step analytical approach consisting of exploratory analysis, development of pre-forecast to choose a preferred model for each measure, and development of the final forecast. The exploratory analysis tested multiple independent variables (in addition to the stratification of the dependent safety measure variable into two categories) to assess statistical association. The results showed that fatalities are statistically correlated with VMT, gas consumption, vehicle registration, and Florida GDP with weak to moderate explanatory power. While the exploratory analysis identified correlations with multiple independent variables, the pre-forecasting process indicated that most of the independent variables were not useful in estimating future fatalities or serious injuries. An ARIMA model was ultimately chosen, which uses past values of the dependent variable as independent variables (e.g., fatalities) and year-to-year difference in the values to forecast future values.

Serious Injury Rate:0.000

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

Target: Florida's target for serious injury rate is zero in FY 2024–2026.

Annual Performance Forecast: Based on statistical forecasting, the five-year rolling average for total serious injury rate per 100M VMT on Florida's roads is forecasted, as shown in the table below. This forecast was made with historical and current state data from 2007 to 2022 to predict probable outcomes for 2023 through 2026.

Table: Serious Injury Rate

Year	*Target*	*Upper*	*Lower*
2023	0	7.409	7.409
2024	0	7.309	6.864
2025	0	7.240	6.324
2026	0	7.232	5.722

Strategy: The data forecast indicates Florida's five-year rolling average for serious injury rate could trend slowly downward in 2023 through 2026. The FDOT State Safety Office intends to execute the subgrants identified in the FY2024 annual application in areas with high frequency of fatalities to increase preventative measures, such as enforcement of traffic laws, education of traffic laws and safety practices, provide and educate regarding alternate transportation methods, public traffic safety outreach and education, coordination

of external safety partners to implement additional unified education methods, and other strategies consistent with traffic safety improvement planning. While the data
forecast indicates Florida's five-year rolling average for fatalities will trend downward in 2023 through 2026, the FDOT State Safety Office expects the projects chosen for funding and included in the FY2024 annual application will enhance the downward trend to ultimately reduce the serious injury rate per 100M VMT.

Justification: Forecasts were made using a three-step analytical approach consisting of exploratory analysis, development of pre-forecast to choose a preferred model for each measure, and development of the final forecast. The exploratory analysis tested multiple independent variables (in addition to the stratification of the dependent safety measure variable into two categories) to assess statistical association. The results showed that serious injuries are statistically correlated with VMT, gas consumption, vehicle registration, and Florida GDP with weak to moderate explanatory power. While the exploratory analysis identified correlations with multiple independent variables, the pre-forecasting process indication that most of the independent variables were not useful in estimating future fatalities or serious injuries. An ARIMA model was ultimately chosen, which uses past values of the dependent variable as independent variables (e.g., fatalities) and year-to-year difference in the values to forecast future values.

Total Number of Non-Motorized Fatalities and Serious Injuries:0.0

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

Target: Florida's target for non-motorized fatalities and serious injuries is zero in FY 2024–2026.

Annual Performance Forecast: Based on statistical forecasting, the five-year rolling average for total non-motorized fatalities and serious injuries on Florida's roads is forecasted, as shown in the table below. This forecast was made with historical and current state data from 2007 to 2022 to predict probable outcomes for 2023 through 2026.

Table: Non-Motorized Fatalities and Serious Injuries

Year	*Target*	*Upper*	*Lower*
2023	0	3.145	3,145
2024	0	3,252	3,061
2025	0	3,289	3,049
2026	0	3,321	3,042

Strategy: The data forecast indicates Florida's five-year rolling average for non-motorized fatalities and serious injuries could slowly trend downward in 2023 through 2026. The FDOT State Safety Office intends to execute the subgrants identified in the FY2024 annual application in areas with high frequency of fatalities to increase preventative measures such as enforcement of traffic laws, education of traffic laws and safety practices, provide and educate regarding alternate transportation methods, public traffic safety outreach and education, coordination of external safety partners to implement additional unified education methods, and other strategies consistent with traffic safety improvement planning. While the data forecast indicates Florida's five-year rolling average for fatalities could slowly trend downward in 2023 through 2026, the FDOT State Safety Office expects the projects chosen for funding and included in the FY2024 annual application will enhance the downward trend to ultimately reduce the number of fatalities.

Justification: Forecasts were made using a three-step analytical approach consisting of exploratory analysis, development of pre-forecast to choose a preferred model for each measure, and development of the final forecast. The exploratory analysis tested multiple independent variables (in addition to the stratification of the dependent safety measure variable into two categories) to assess statistical association. The results showed that fatalities are statistically correlated with VMT, gas consumption, vehicle registration and Florida GDP - with weak to moderate explanatory power. While the exploratory analysis identified correlations with multiple

independent variables - the pre-forecasting process indicated that most of the independent variables were not useful in estimating future fatalities or serious injuries. An ARIMA model was ultimately chosen which uses past values of the dependent variable as independent variables (e.g., fatalities) and year-to-year difference in the values to forecast future values.

Targets
Florida shares the national traffic safety vision of zero deaths. Safety is Florida's top priority and a key component of the responsibilities and vision of FDOT, as well as a goal of the FTP, the state's long-range transportation plan. FDOT, the State Safety Office, and our partners are committed to eliminating fatalities and reducing serious injuries with the understanding that the death of any person is unacceptable and, based on that, zero deaths is our safety performance target. This target is consistent throughout our SHSP, HSIP, and HSP. Realizing that zero fatalities likely will not be reached within Florida's 3HSP, Florida uses data models to forecast the fatalities that are statistically probable as we diligently strive to drive down fatalities and serious injuries with an ultimate vision of zero.

Data Forecasts
Florida's data forecasts have been established using an autoregressive integrated moving average (ARIMA) Hybrid Regression Model (0, 1,1)(2,0,0)(12) with VMT. Nine independent variables were tested to assess correlations between fatalities against possible influencing factors, including VMT, gas consumption, vehicle registration, temperature, precipitation, gross domestic product (GDP), and tourists. Only VMT and gas consumption have relatively high correlations with fatalities and serious injuries; and, of these two variables, only VMT was useful in predicting future fatalities and serious injuries. The first three performance measures (number of fatalities, number of serious injuries, and fatality rate per 100M VMT) have been forecasted based on five-year rolling averages; and the remaining performance measures will be forecasted annually. The forecasts for 2023 to 2026 are based on monthly data from 2007 through 2022 using statistical forecasting methodologies. Each year, the data forecasts are recalculated with the most recent data to create the updated forecasts. Forecasts for 2023 to 2026 were calculated by using the established trend percentage for VMT to normalize the 2020 data due to any COVID-19 anomalies.

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

Florida's transportation system is large, multimodal, and owned by several entities including the state government, local governments (cities and counties), the federal government, and the private sector. The 2021 Florida SHSP is aimed at all public roads and was updated through collaboration with Florida's safety partners. It is aligned with and builds on the recently adopted Florida Transportation Plan (FTP), the State's long-range transportation plan. Stakeholders include Florida Department of Transportation (FDOT), Florida Department of Highway Safety and Motor Vehicles, Florida Highway Patrol, Florida Sheriffs Association, Florida Police Chiefs Association, Metropolitan Planning Organizations Advisory Council, Florida Rail Enterprise, Florida Association of County Engineers and Road Superintendents, Federal Highway Administration, National Highway Traffic Safety Administration, and Federal Motor Carrier Safety Administration.

Florida shares the national traffic safety vision, "Toward Zero Deaths," and formally adopted our own version of the national vision, "Driving Down Fatalities," in 2012. The 2021 SHSP update kicked off with a Vision Zero workshop in May 2019. FDOT and its traffic safety partners are committed to eliminating fatalities and reducing serious injuries with the understanding that the death of any person is unacceptable and based on that, zero deaths is our safety performance target. This target is consistent throughout our SHSP, HSIP, and HSP (Highway Safety Plan).

[Source: Florida Strategic Highway Safety Plan, 2021]
[Source: Florida Highway Safety Plan, 2024]

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	0.0	3446.0
Number of Serious Injuries	0.0	16499.8
Fatality Rate	0.000	1.548
Serious Injury Rate	0.000	7.412
Non-Motorized Fatalities and Serious Injuries	0.0	3141.2

The HSIP Implementation Plan was developed to demonstrate Florida's progress toward meeting its annual safety performance targets as required by the Federal Highway Administration (FHWA) under 23 U.S.C. 148(i). The HSIP Implementation Plan will help the state continue to focus limited resources on reducing the number of fatalities and serious injuries on the transportation system with the understanding that no death is acceptable on Florida's transportation system. The Florida Department of Transportation (FDOT) set zero as the target for all safety performance measures required by the Federal Highway Administration (FHWA), including fatalities, fatality rate, serious injuries, serious injury rate, and non-motorized fatalities and serious injuries.

Florida's Implementation Plan also provides an opportunity for FDOT and its partners – metropolitan planning organizations, local governments, and educational, law enforcement, emergency management, and other safety professionals – to recommit to the vision and target of zero, as well as additional actions each organization can take to help make this target a reality. Consistent with FHWA requirements, this plan focuses specifically on implementation of the Highway Safety Improvement Program (HSIP) as a core federal-aid highway program focused on the mission of reducing fatalities and serious injuries.

Key FFY 2025 commitments identified in the HSIP Implementation Plan include the following:

· Improve Partner Coordination and Align Safety Activities

· Maximize HSIP Infrastructure Investments

· Enhance Safety Data Systems and Analysis

· Implement Key Safety Countermeasures

· Focus Safety Marketing and Education on Target Audiences

· Capitalize on New and Existing Funding Opportunities

[Source: Florida Highway Safety Improvement Program Implementation Plan, 2024]

Applicability of Special Rules

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

No

According to Section 148(g)(1) of title 23, United States Code (USC) establishing a High Risk Rural Road (HRRR) Special Rule, the rule is triggered if the fatality rate on rural roads increases over the most recent 2-year period. The 5-year moving average of the fatality rate per 100 million vehicle miles travelled (VMT) on rural minor collectors, rural major collectors, and rural local roads is approximately 3.02 and 2.66 for 2022 and 2023, respectively.

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

Yes

Yes, the Vulnerable Road User (VRU) Safety Special Rule applies to Florida for this reporting period because about 30% of traffic crash fatalities in 2022 are non-motorist fatalities. Florida invested more than 30% of HSIP funding to address non-motorist traffic safety.

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

PERFORMANCE MEASURES	2017	2018	2019	2020	2021	2022	
Number of Older Driver and Pedestrian Fatalities	550	481	496	481	527	576	598
Number of Older Driver and Pedestrian Serious Injuries	2,851	2,012	1,997	1,590	1,745	1,775	1,754

Evaluation

Program Effectiveness

How does the State measure effectiveness of the HSIP?

- Change in fatalities and serious injuries

FDOT and its partners are committed to eliminating fatalities and reducing serious injuries with the understanding that the death of any person is unacceptable. Therefore, the effectiveness of the HSIP is measured by its effect on fatalities and serious injuries in the State of Florida. FDOT uses statistical hypothesis testing and simple before-after comparisons to assess any changes in fatalities and serious injuries.

[Source: FDOT Mission, Vision, and Values, 2023]
[Source: Florida Strategic Highway Safety Plan, 2021]

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

FDOT developed the Highway Safety Improvement Program (HSIP) dashboard to monitor the safety performance of construction projects on public roads that used HSIP funds. Evaluations are based on simple before and after comparative studies of fatal or serious injuries (i.e., frequencies and rates) for which FDOT has reliable data for 3 years before construction and 3 years after. The current dashboard shows 2013-2019 with the following highlights.

1) 352 construction projects
2) about $323.9 million in HSIP funding
3) approximately $2.4 billion in benefits (i.e., fatal or serious injuries prevented)
4) around a **10.2 % reduction** in fatal or serious injury rates
5) a reduction of 374 fatal or serious injuries
5) a **benefit-cost ratio of about 7.4**

[Source: Highway Safety Improvement Program Dashboard, https://fldot.sharepoint.com/sites/Safety-HSIP, 2024]

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

- Other-Reduction in fatalities and serious injuries

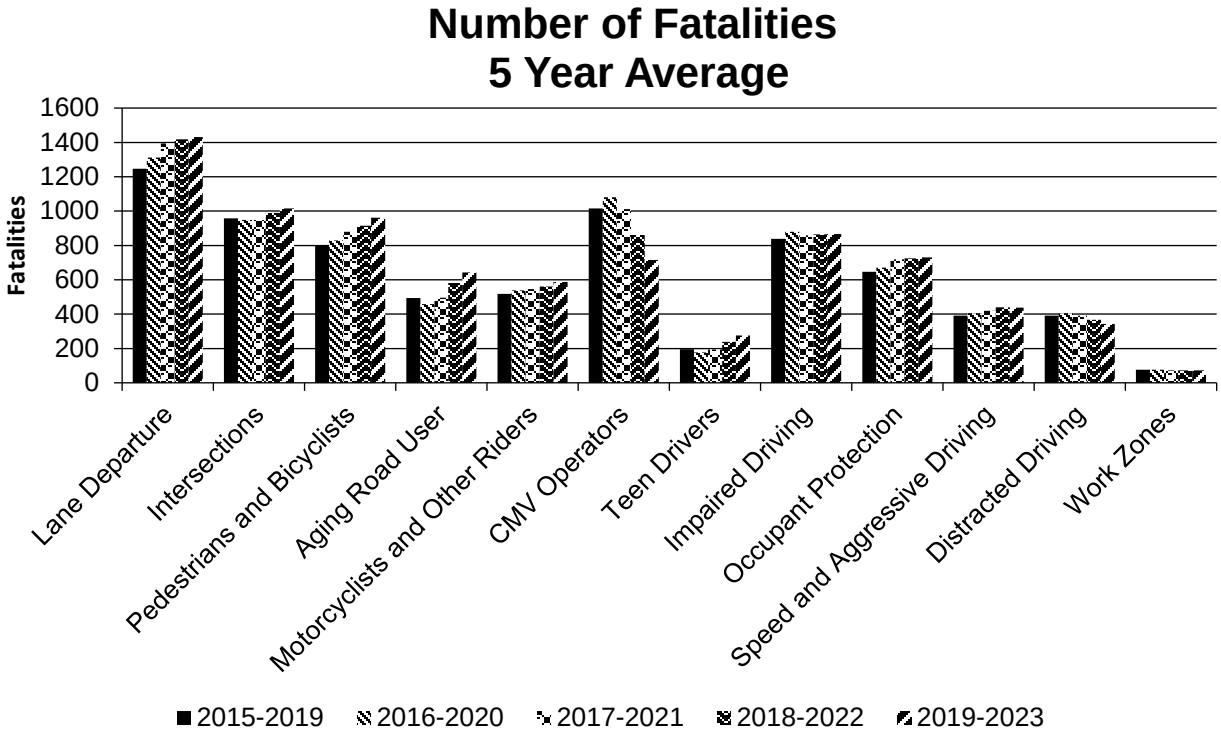
[Source: Florida Strategic Highway Safety Plan, 2021]

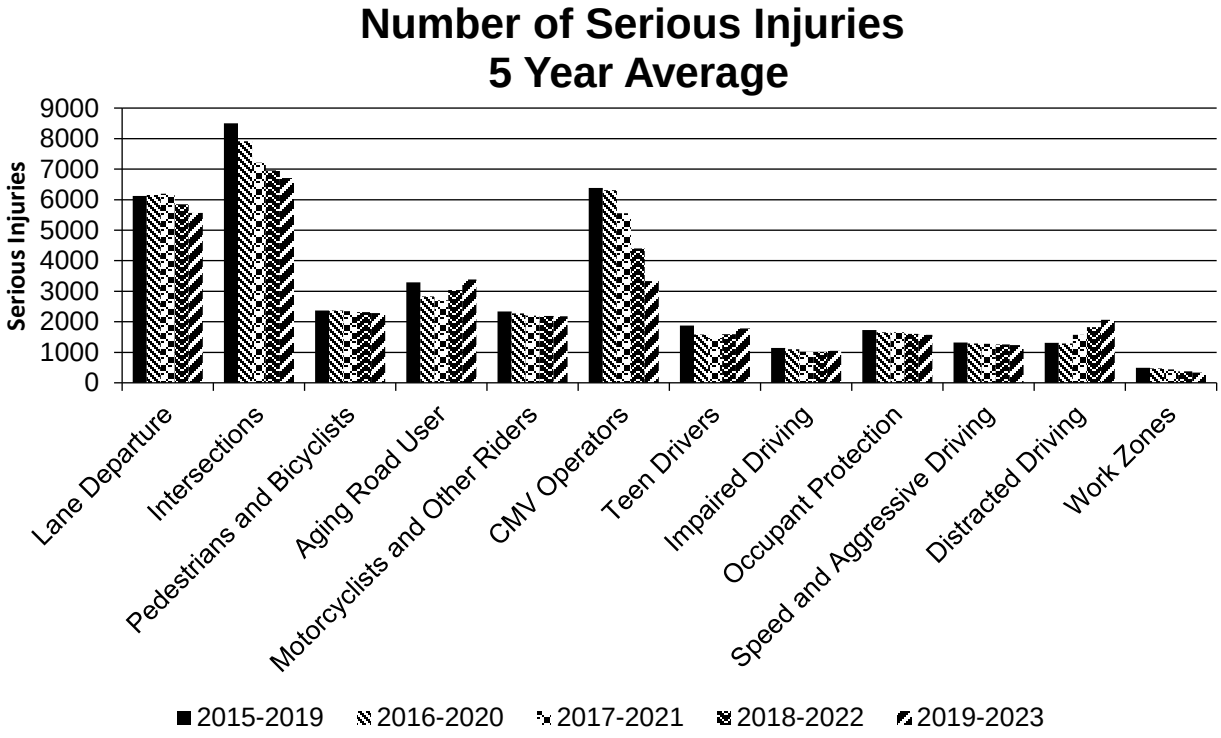
Effectiveness of Groupings or Similar Types of Improvements

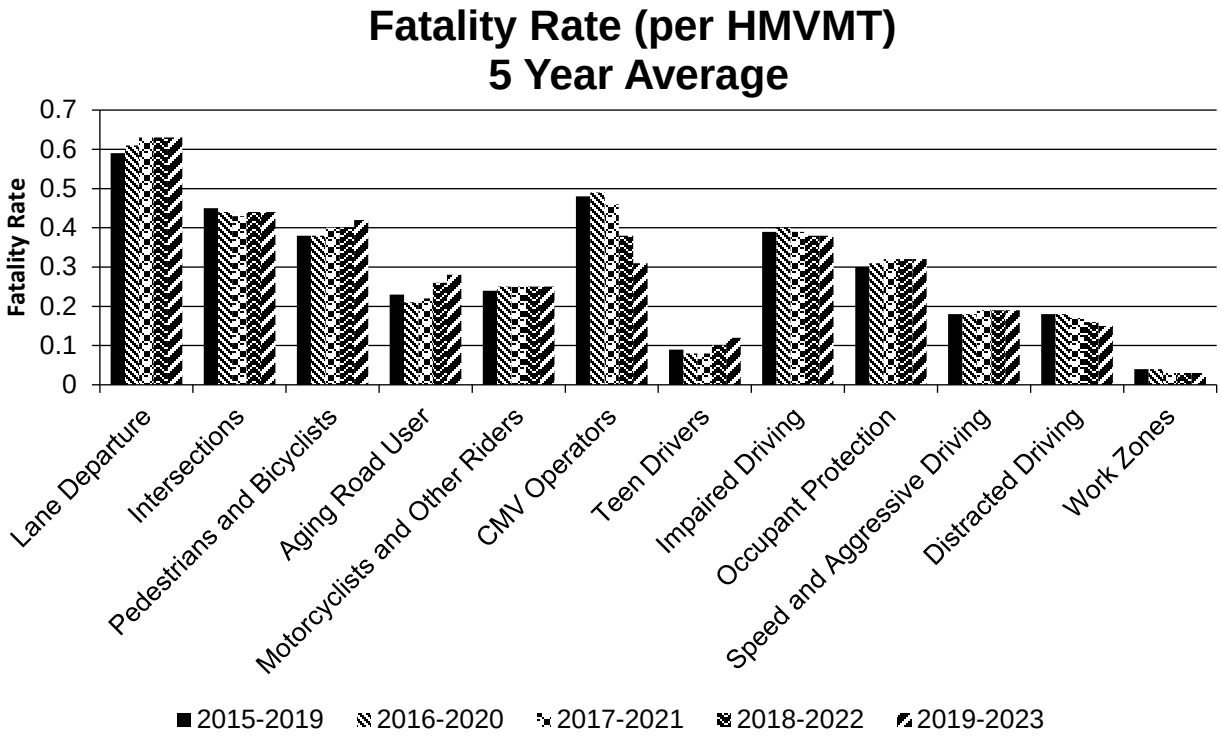
Present and describe trends in SHSP emphasis area performance measures.

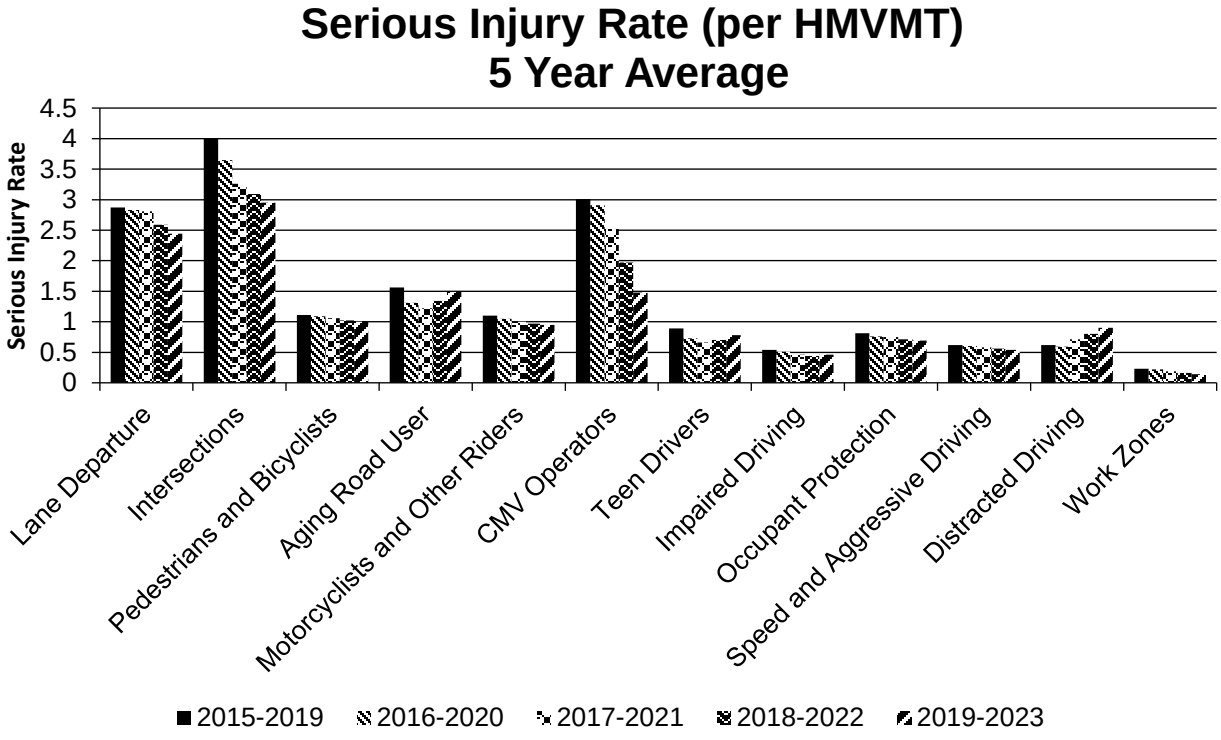
Year 2023

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		1,430.8	5,560.8	0.63	2.44
Intersections		1,016.2	6,711.4	0.44	2.95
Pedestrians and Bicyclists		960.6	2,288.4	0.42	1
Aging Road User		643.6	3,390	0.28	1.49
Motorcyclists and Other Riders		586.4	2,178.8	0.25	0.95
CMV Operators		716.2	3,335.6	0.31	1.48
Teen Drivers		276	1,777.8	0.12	0.78
Impaired Driving		865.6	1,052.2	0.38	0.46
Occupant Protection		731.2	1,576.8	0.32	0.69
Speed and Aggressive Driving		438.6	1,238.2	0.19	0.54
Distracted Driving		342.4	2,061.6	0.15	0.9
Work Zones		73.2	329.8	0.03	0.14


Number of Fatalities
5 Year Average
Fatalities
1600
1400
1200
1000
800
600
400
200
0
Lane Departure
Intersections
Pedestrians and Bicyclists
Aging Road User
Motorcyclists and Other Riders
CMV Operators
Teen Drivers
Impaired Driving
Occupant Protection
Speed and Aggressive Driving
Distracted Driving
Work Zones
2015-2019
2016-2020
2017-2021
2018-2022
2019-2023


Number of Serious Injuries
5 Year Average
Serious Injuries
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Lane Departure
Intersections
Pedestrians and Bicyclists
Aging Road User
Motorcyclists and Other Riders
CMV Operators
Teen Drivers
Impaired Driving
Occupant Protection
Speed and Aggressive Driving
Distracted Driving
Work Zones
2015-2019
2016-2020
2017-2021
2018-2022
2019-2023





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

Yes

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

CounterMeasures:	All
Description:	Through the HSIP Dashboard, FDOT evaluated 352 projects that used HSIP funds from 2013 through 2019 using 3 years of data before and after construction. Over 20 work mixes of these projects correspond to traffic safety countermeasures or treatments, and their correlated effects on fatal and serious injury crash rates are also given in the HSIP Dashboard. [Source: Highway Safety Improvement Program Dashboard, https://fldot.sharepoint.com/sites/Safety-HSIP, 2024]
Target Crash Type:	
Number of Installations:	
Number of Installations:	
Miles Treated:	
Years Before:	3
Years After:	3
Methodology:	Simple before/after
Results:	Through the HSIP Dashboard, FDOT evaluated 352 projects that used HSIP funds from 2013 through 2019 using 3 years of data before and after construction. Over 20 work mixes of these projects correspond to traffic safety countermeasures or treatments, and their correlated effects on fatal and serious injury crash rates are also given in the HSIP Dashboard. [Source: Highway Safety Improvement Program Dashboard, https://fldot.sharepoint.com/sites/Safety-HSIP, 2024]

File Name: Hyperlink

Project Effectiveness

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

Through the Highway Safety Improvement Program (HSIP) Dashboard, FDOT evaluated 352 projects that used HSIP funds from 2013 through 2019. The evaluations were simple before-after comparisons based on 3 years of data before and after construction. The HSIP Dashboard also lists all projects and their corresponding statistics.

[Source: FDOT Highway Safety Improvement Program Dashboard, as of 2024-07-15]

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

FDOT uses before-after comparisons based on fatal or serious injuries when examining HSIP effectiveness. SSO developed a dashboard to increase and enhance awareness of the safety performance of HSIP investments. The methodology uses three years of crash data both before and after construction of mappable projects. Users may explore HSIP funding, present values of fatal and serious injury reductions over 10 years, and benefit-cost ratios as well as changes in fatal and serious injury crashes and crash rates. Additionally, users may examine the distribution of HSIP funding by work mix, county, and FDOT District.

[Source: Highway Safety Improvement Program Dashboard, https://fldot.sharepoint.com/sites/Safety-HSIP, 2024]

Compliance Assessment

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

03/01/2021

What are the years being covered by the current SHSP?

From: 2021 To: 2026

When does the State anticipate completing its next SHSP update?

2026

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

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

ROAD TYPE	*MIRE NAME (MIRE NO.)	NON LOCAL PAVED ROADS - SEGMENT		NON LOCAL PAVED ROADS - INTERSECTION		NON LOCAL PAVED ROADS - RAMPS		LOCAL PAVED ROADS		UNPAVED ROADS	
		STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE	STATE	NON-STATE
ROADWAY SEGMENT	Segment Identifier (12) [12]	100	100					100	100	100	100
	Route Number (8) [8]	100	100								
	Route/Street Name (9) [9]	100	100								
	Federal Aid/Route Type (21) [21]	100	100								
	Rural/Urban Designation (20) [20]	100	100					100	100		
	Surface Type (23) [24]	100	100								
	Begin Point Segment Descriptor (10) [10]	100	100						100		
	End Point Segment Descriptor (11) [11]	100	100						100		
	Segment Length (13) [13]	100	100								
	Direction of Inventory (18) [18]	100	100								
	Functional Class (19) [19]	100	100						100		100
	Median Type (54) [55]	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
	Access Control (22) [23]	100	100								
	One/Two Way Operations (91) [93]	100	100								
	Number of Through Lanes (31) [32]	100	100					100	100		
	Average Annual Daily Traffic (79) [81]	100	100					100	100		
	AADT Year (80) [82]	100	100								
	Type of Governmental Ownership (4) [4]	100	100								
INTERSECTION	Unique Junction Identifier (120) [110]			100	100						
	Location Identifier for Road 1 Crossing Point (122) [112]			100	100						
	Location Identifier for Road 2 Crossing Point (123) [113]			100	100						
	Intersection/Junction Geometry (126) [116]			100	100						
	Intersection/Junction Traffic Control (131) [131]				100						
	AADT for Each Intersecting Road (79) [81]			100	100						
	AADT Year (80) [82]			100	100						
	Unique Approach Identifier (139) [129]			100	100						
INTERCHANGE/RAMP	Unique Interchange Identifier (178) [168]					100	100				
	Location Identifier for Roadway at Beginning of Ramp Terminal (197) [187]					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
	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**	**100.00**	**87.50**	**100.00**	**100.00**	**100.00**	**44.44**	**77.78**	**20.00**	**40.00**

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

Roadway data for public Florida roads may be found at the FDOT Transportation Data Portal (fdot.gov).

[Source: Roadway Characteristics Inventory (RCI), as of 2024-08-06]
[Source: All Roads Base Map (ARBM), 2022]
[Source: Florida All Roads Intersections and Streets (FLARIS), version 3.0.1, 2024]

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 Florida TRCC (Traffic Records Coordinating Committee) provides a statewide forum to facilitate the planning, coordination, and implementation of projects to improve the State of Florida's traffic records system. Roadway inventory is a crucial part of the traffic records system. In November 2020, a NHTSA Technical Assessment Team concluded the following.

FDOT has made significant progress in improving its State Roadway Inventory System since the 2016 Assessment. This progress has been successful through active projects to provide a compatible location referencing system for all Florida public roads. The projects use the FHWA system called the All Road Network of Linear Referenced Data (ARNOLD), the FDOT ARBM (All Roads BaseMap), and the HERE GIS which provides commercially-available local roadway data. When complete, the projects will provide a comprehensive enterprise roadway system for all Florida public roads using the ARBM as the system's foundation. The projects are recognized as a best practice; however, ongoing project status is not clear. FDOT is encouraged to develop performance management for each of the projects and provide regular status reporting to the TRCC and safety stakeholders.

FDOT continues to support active projects to improve the location referencing system for all public roads in Florida and acquire roadway elements, including MIRE FDE.

[Source: NHTSA State of Florida Traffic Records Assessment, 2020]
[Source: Florida Traffic Safety Information System Strategic Plan 2017-2021, 2020]
[Source: FDOT FLARIS, version 3.0.1, 2024]

Optional Attachments

Program Structure:

florida hsip manual v2021 F (2021-08-12).pdf
Project Implementation:

Safety Performance:

Evaluation:

hsip 2024 - HSIP Projects BeforeAfter FSI.xlsx
hsip 2024 - dashboard (2024-08-06).pdf
hsip 2024 - dashboard workmix (2024-08-06).pdf
hsip 2024 - HSIP Projects BeforeAfter FSI.xlsx
hsip 2024 - HSIP Projects BeforeAfter FSI.xlsx
hsip 2024 - dashboard project list (2024-08-06).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.