



Highway Safety Improvement Program
Data Driven Decisions

Florida
Highway Safety Improvement Program
2014 Annual Report

Prepared by: FL

Disclaimer

Protection of Data from Discovery & Admission into Evidence

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

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

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Executive Summary

FDOT Highway Safety Improvement Program

The purpose of the report is to demonstrate that Florida met its effectiveness and achievement marks by producing a 5% reduction in the overall number of fatalities and serious injuries.

Progress in Implementing HSIP Projects

Florida demonstrated progress by implementing a total of 220 Highway Safety Improvement Program (HSIP) projects for 2013. The implementation required \$100,058,271 in programmed HSIP funds.

Progress in Implementing HRRR Projects

Florida demonstrated progress by implementing a total of 13 High Risk Rural Road (HRRR) projects for 2013. The implementation required \$9,815,159 in programmed HRRR funds.

Program Effectiveness

Florida's HSIP for 2013 was effectively carried out, and the projects implemented achieved positive results. There was an average reduction of 118 fatalities, and 1,232 serious injuries annually (based on a five year rolling average starting in 2006 and ending in 2013). Also based on the same methodology, there was an average reduction of 0.38 fatalities, and 2.76 serious injuries per hundred-million vehicle miles traveled annually. Additionally, in 2013 the following SHSP Emphasis Areas had reductions based on the five year rolling average:

Emphasis	Fatalities Serious Injuries	
Statewide	25%	29%
Intersection Crashes	17%	16%
Vulnerable Road Users - Pedestrian	4%	7%

Vulnerable Road Users - Motorcycle	10%	10%
At Risk Drivers - Teens (15 - 19)	36%	31%
At Risk Drivers - Aging (65 and Up)	7%	4%
Impaired Driving	26%	15%

The Department will continue its efforts to exceed its effectiveness and achievements by continuing to work toward reducing the number of fatalities and serious injuries on Florida's roads.

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 MAP-21 Reporting Guidance dated February 13, 2013 and consists of four sections: program structure, progress in implementing HSIP projects, progress in achieving safety performance targets, and assessment of the effectiveness of the improvements.

Program Structure

Program Administration

How are Highway Safety Improvement Program funds allocated in a State?

Central

District

Other

Describe how local roads are addressed as part of Highway Safety Improvement Program.

Due to changes in the Florida Traffic Crash Report, Long Form, the State Safety Office (SSO) was unable to develop a high crash location list for local roads during the reporting period. However, the SSO supported the districts with identifying high crash locations on local roads through Geographic Information Systems (GIS) analysis. The SSO developed several analyses of pedestrian and bicyclist involved crashes and intersection crashes. The department is working towards developing a replacement system that will once again provide high crash listings on local roads.

Additionally, other local projects are identified a coordinated effort with the District Safety Engineer and the Community Traffic Safety Teams.

Identify which internal partners are involved with Highway Safety Improvement Program planning.

- Design
- Planning
- Maintenance
- Operations
- Governors Highway Safety Office
- Other:

Briefly describe coordination with internal partners.

District staff coordinate with planning, design, and operations for planning HSIP projects. Central Office staff then coordinates with District staff on programming projects. District staff look at opportunities to program HSIP project components concurrently with other projects in the Department's work program.

Other HSIP planning activities include efforts with Strategic Highway Safety Plan (SHSP). Special emphasis areas teams have been formed based on the SHSP structure. Each team is made up of key personnel within the department and from other agencies or groups which have an interest in the emphasis area. The teams meet to develop goals, objectives and action items using the SHSP as the guiding principle. Quarterly meetings are held to discuss progress on action items, plan new work and share best practices.

Identify which external partners are involved with Highway Safety Improvement Program planning.

- Metropolitan Planning Organizations
- Governors Highway Safety Office

Local Government Association

Other: Other-Community Traffic Safety Team (CTST)

Identify any program administration practices used to implement the HSIP that have changed since the last reporting period.

Multi-disciplinary HSIP steering committee

Other: Other-None

Describe any other aspects of Highway Safety Improvement Program Administration on which you would like to elaborate.

None at this time.

Program Methodology

Select the programs that are administered under the HSIP.

Median Barrier

Intersection

Safe Corridor

Horizontal Curve

Bicycle Safety

Rural State Highways

Skid Hazard

Crash Data

Red Light Running Prevention

Roadway Departure

Low-Cost Spot Improvements

Sign Replacement And Improvement

Local Safety

Pedestrian Safety

Right Angle Crash

Left Turn Crash

Shoulder Improvement

Segments

Other:

Program: Intersection

Date of Program Methodology: 9/1/2007

What data types were used in the program methodology?

Crashes

All crashes

Fatal crashes only

Fatal and serious injury
crashes only

Other

Exposure

Traffic

Volume

Population

Lane miles

Other

Roadway

Median width

Horizontal curvature

Functional classification

Roadside features

Other-Mile Point

What project identification methodology was used for this program?

Crash frequency

Expected crash frequency with EB adjustment

Equivalent property damage only (EPDO Crash frequency)

EPDO crash frequency with EB adjustment

Relative severity index

Crash rate

- Critical rate
- Level of service of safety (LOSS)
- Excess expected crash frequency using SPFs
- Excess expected crash frequency with the EB adjustment
- Excess expected crash frequency using method of moments
- Probability of specific crash types
- Excess proportions of specific crash types
- Other

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

- Yes
- No

If yes, are local road projects identified using the same methodology as state roads?

- Yes
- No

How are highway safety improvement projects advanced for implementation?

- Competitive application process
- Selection committee
- 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).

- Relative Weight in Scoring

Rank of Priority Consideration

Ranking based on B/C

Available funding

Incremental B/C

Ranking based on net benefit

Other

A score is provided for each project that includes the following: Benefit Cost Ratio greater than 1, and is on the High Crash Intersection List.

Program: Bicycle Safety

Date of Program Methodology: 9/12/2012

What data types were used in the program methodology?

Crashes

All crashes

Fatal crashes only

Fatal and serious injury crashes only

Other

Exposure

Traffic

Volume

Population

Lane miles

Other

Roadway

Median width

Horizontal curvature

Functional classification

Roadside features

Other

What project identification methodology was used for this program?

- Crash frequency
- Expected crash frequency with EB adjustment
- Equivalent property damage only (EPDO Crash frequency)
- EPDO crash frequency with EB adjustment
- Relative severity index
- Crash rate
- Critical rate
- Level of service of safety (LOSS)
- Excess expected crash frequency using SPFs
- Excess expected crash frequency with the EB adjustment
- Excess expected crash frequency using method of moments
- Probability of specific crash types
- Excess proportions of specific crash types
- 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
- No

If yes, are local road projects identified using the same methodology as state roads?

- Yes
- No

How are highway safety improvement projects advanced for implementation?

- Competitive application process

Selection committee

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).

Relative Weight in Scoring

Rank of Priority Consideration

Ranking based on B/C

Available funding

Incremental B/C

Ranking based on net benefit

Cost Effectiveness 1

Program: **Skid Hazard**

Date of Program Methodology: **9/1/2007**

What data types were used in the program methodology?

Crashes

All crashes

Fatal crashes only

Exposure

Traffic

Volume

Roadway

Median width

Horizontal curvature

- | | | |
|---|-------------------------------------|---|
| <input checked="" type="checkbox"/> Fatal and serious injury crashes only | <input type="checkbox"/> Population | <input type="checkbox"/> Functional classification |
| <input type="checkbox"/> Other | <input type="checkbox"/> Lane miles | <input type="checkbox"/> Roadside features |
| | <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Other-Friction Number |

What project identification methodology was used for this program?

- Crash frequency
- Expected crash frequency with EB adjustment
- Equivalent property damage only (EPDO Crash frequency)
- EPDO crash frequency with EB adjustment
- Relative severity index
- Crash rate
- Critical rate
- Level of service of safety (LOSS)
- Excess expected crash frequency using SPFs
- Excess expected crash frequency with the EB adjustment
- Excess expected crash frequency using method of moments
- Probability of specific crash types
- Excess proportions of specific crash types
- Other

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

- Yes
- No

How are highway safety improvement projects advanced for implementation?

Competitive application process

Selection committee

Other

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

Relative Weight in Scoring

Rank of Priority Consideration

Ranking based on B/C

Available funding

Incremental B/C

Ranking based on net benefit

Other

A score is provided for each project that includes the following: Benefit Cost Ratio greater than 1, and is on the High Crash Segment List.

Program: Crash Data

Date of Program Methodology: 9/1/2006

What data types were used in the program methodology?

<i>Crashes</i>	<i>Exposure</i>	<i>Roadway</i>
<input type="checkbox"/> All crashes	<input checked="" type="checkbox"/> Traffic	<input checked="" type="checkbox"/> Median width
<input type="checkbox"/> Fatal crashes only	<input type="checkbox"/> Volume	<input type="checkbox"/> Horizontal curvature
<input type="checkbox"/> Fatal and serious injury crashes only	<input type="checkbox"/> Population	<input checked="" type="checkbox"/> Functional classification
<input checked="" type="checkbox"/> Other-Fatal, Serious Injury, Injury and PDO Crashes reported on Florida Traffic Crash Report, Long Form.	<input type="checkbox"/> Lane miles	<input checked="" type="checkbox"/> Roadside features
	<input type="checkbox"/> Other	<input type="checkbox"/> Other

What project identification methodology was used for this program?

- Crash frequency
- Expected crash frequency with EB adjustment
- Equivalent property damage only (EPDO Crash frequency)
- EPDO crash frequency with EB adjustment
- Relative severity index
- Crash rate
- Critical rate
- Level of service of safety (LOSS)
- Excess expected crash frequency using SPFs
- Excess expected crash frequency with the EB adjustment
- Excess expected crash frequency using method of moments
- Probability of specific crash types
- Excess proportions of specific crash types
- Other

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

Yes

No

How are highway safety improvement projects advanced for implementation?

Competitive application process

Selection committee

Other

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

Relative Weight in Scoring

Rank of Priority Consideration

Ranking based on B/C

Available funding

Incremental B/C

Ranking based on net benefit

Other

Program: Pedestrian Safety

Date of Program Methodology: 9/1/2012

What data types were used in the program methodology?*Crashes* All crashes Fatal crashes only Fatal and serious injury
crashes only Other*Exposure* Traffic Volume Population Lane miles Other*Roadway* Median width Horizontal curvature Functional classification Roadside features Other**What project identification methodology was used for this program?** Crash frequency Expected crash frequency with EB adjustment Equivalent property damage only (EPDO Crash frequency) EPDO crash frequency with EB adjustment Relative severity index Crash rate Critical rate Level of service of safety (LOSS) Excess expected crash frequency using SPFs Excess expected crash frequency with the EB adjustment Excess expected crash frequency using method of moments Probability of specific crash types Excess proportions of specific crash types 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 No

If yes, are local road projects identified using the same methodology as state roads?

 Yes No**How are highway safety improvement projects advanced for implementation?** Competitive application process Selection committee Other

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

 Relative Weight in Scoring Rank of Priority Consideration Ranking based on B/C Available funding Incremental B/C Ranking based on net benefit Cost Effectiveness 1

Program: Segments

Date of Program Methodology: 9/1/2007

What data types were used in the program methodology?

Crashes

- All crashes
- Fatal crashes only
- Fatal and serious injury crashes only
- Other

Exposure

- Traffic
- Volume
- Population
- Lane miles
- Other

Roadway

- Median width
- Horizontal curvature
- Functional classification
- Roadside features
- Other-Mile Point

What project identification methodology was used for this program?

- Crash frequency
- Expected crash frequency with EB adjustment
- Equivalent property damage only (EPDO Crash frequency)
- EPDO crash frequency with EB adjustment
- Relative severity index
- Crash rate
- Critical rate
- Level of service of safety (LOSS)
- Excess expected crash frequency using SPFs
- Excess expected crash frequency with the EB adjustment
- Excess expected crash frequency using method of moments

- Probability of specific crash types
- Excess proportions of specific crash types
- Other

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

- Yes
- No

If yes, are local road projects identified using the same methodology as state roads?

- Yes
- No

How are highway safety improvement projects advanced for implementation?

- Competitive application process
- Selection committee
- 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).

- Relative Weight in Scoring
- Rank of Priority Consideration

- Ranking based on B/C
- Available funding
- Incremental B/C

- Ranking based on net benefit
- Other
- A score is provided for each project that includes the following: Benefit Cost Ratio greater than 1, and is on the High Crash Segment List.

What proportion of highway safety improvement program funds address systemic improvements?

13

Highway safety improvement program funds are used to address which of the following systemic improvements?

- | | |
|--|---|
| <input type="checkbox"/> Cable Median Barriers | <input type="checkbox"/> Rumble Strips |
| <input checked="" type="checkbox"/> Traffic Control Device Rehabilitation | <input type="checkbox"/> Pavement/Shoulder Widening |
| <input checked="" type="checkbox"/> Install/Improve Signing | <input checked="" type="checkbox"/> Install/Improve Pavement Marking and/or Delineation |
| <input type="checkbox"/> Upgrade Guard Rails | <input type="checkbox"/> Clear Zone Improvements |
| <input type="checkbox"/> Safety Edge | <input type="checkbox"/> Install/Improve Lighting |
| <input checked="" type="checkbox"/> Add/Upgrade/Modify/Remove Traffic Signal | <input checked="" type="checkbox"/> Other Other-Pedestrian Refuge Islands |

What process is used to identify potential countermeasures?

- Engineering Study
- Road Safety Assessment
- Other:

Identify any program methodology practices used to implement the HSIP that have changed since the last reporting period.

- Highway Safety Manual
- Road Safety audits
- Systemic Approach
- Other: Other-None

Describe any other aspects of the Highway Safety Improvement Program methodology on which you would like to elaborate.

Progress in Implementing Projects

Funds Programmed

Reporting period for Highway Safety Improvement Program funding.

Calendar Year

State Fiscal Year

Federal Fiscal Year

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

Funding Category	Programmed*		Obligated	
HSIP (Section 148)	90243112	90 %	90243112	
HRRRP (SAFETEA-LU)	9815159	10 %	9815159	10 %
HRRR Special Rule				
Penalty Transfer - Section 154				
Penalty Transfer - Section 164				
Incentive Grants - Section 163				
Incentive Grants (Section 406)				
Other Federal-aid Funds (i.e. STP, NHPP)				
State and Local Funds				

Totals	100058271	100%	100058271	100%
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How much funding is programmed to local (non-state owned and maintained) safety projects?

\$37,997,634.00

How much funding is obligated to local safety projects?

\$37,997,634.00

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

\$5,766,909.00

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

\$5,766,909.00

How much funding was transferred in to the HSIP from other core program areas during the reporting period?

\$0.00

How much funding was transferred out of the HSIP to other core program areas during the reporting period?

\$0.00

Discuss impediments to obligating Highway Safety Improvement Program funds and plans to overcome this in the future.

None at this time.

Describe any other aspects of the general Highway Safety Improvement Program implementation progress on which you would like to elaborate.

None at this time.

General Listing of Projects

List each highway safety improvement project obligated during the reporting period.

Project	Improvement Category	Output	HSIP Cost	Total Cost	Funding Category	Functional Classification	AADT	Speed	Roadway Ownership	Relationship to SHSP	
										Emphasis Area	Strategy
190258-1	Advanced technology and ITS Advanced technology and ITS - other	0 Miles	815131	9460798	HSIP (Section 148)	Other	0	0	Other Local Agency	Data	
209615-9	Roadside Barrier-metal	0 Miles	2123474	6897653	HSIP (Section 148)	Urban Principal Arterial - Other	18100	40	State Highway Agency	Lane Departure	
209692-5	Intersection traffic control Systemic improvements - signal-controlled	0.584 Miles	3723	7401	HSIP (Section 148)	Urban Minor Arterial	34000	45	State Highway Agency	Intersections	
211079-2	Miscellaneous	0 Miles	468419	668419	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	
211079-3	Miscellaneous	0 Miles	400000	400000	HSIP (Section 148)	Other	0	0	Other Local	Intersections	

					n 148)				Agency		
2110 79-4	Miscellaneous	0 Miles	3000 00	30000 0	HSIP (Sectio n 148)	Other	0	0	Other Local Agency	Intersect ions	
2110 79-5	Miscellaneous	0 Miles	3000 00	30000 0	HSIP (Sectio n 148)	Other	0	0	Other Local Agency	Intersect ions	
2110 79-6	Miscellaneous	0 Miles	2242 9	22429	HSIP (Sectio n 148)	Other	0	0	Other Local Agency	Intersect ions	
2129 49-8	Interchange design Interchange design - other	0.494 Miles	3210	37321	HSIP (Sectio n 148)	Urban Principal Arterial - Interstat e	72500	70	State Highwa y Agency	Intersect ions	
2379 95-1	Miscellaneous	0 Miles	4500 00	46725 5	HSIP (Sectio n 148)	Other	0	0	Other Local Agency		
2502 36-3	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.11 Miles	4765 305	53177 03	HSIP (Sectio n 148)	Urban Principal Arterial - Other	22434.54545 45455	30	State Highwa y Agency	Intersect ions	
2545 26-1	Non-infrastructure Non-infrastructure -	0 Miles	5249 94	74999 4	HSIP (Sectio	Other	0	0	Other Local	Intersect ions	

	other				n 148)				Agency		
2545 53-1	Miscellaneous	0 Miles	1954 885	19548 85	HSIP (Section 148)	Other	0	0	Other Local Agency	Pedestrians	
2546 46-1	Miscellaneous	0 Miles	7535 92	75393 5	HSIP (Section 148)	Other	0	0	Other Local Agency		
2546 47-1	Miscellaneous	0 Miles	1805 437	18254 37	HSIP (Section 148)	Other	0	0	Other Local Agency	Pedestrians	
2546 77-2	Intersection traffic control Systemic improvements - signal-controlled	0 Miles	3119 453	32290 45	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	
4092 24-1	Miscellaneous	0 Miles	3511 56	35115 6	HSIP (Section 148)	Other	0	0	Other Local Agency	Lane Departure	
4132 02-2	Roadway signs and traffic control Sign sheeting - upgrade or replacement	19.345 Miles	5904 6	59046	HSIP (Section 148)	Rural Major Collector	889.7622124 57999	55	State Highway Agency	Intersections	
4145 61-1	Interchange design Installation of new lane on ramp	1.52 Miles	3317 96	42548 7	HSIP (Section 148)	Urban Principal Arterial -	151370.3947 36842	70	State Highway	Intersections	

						Interstate			Agency		
4145 61-2	Roadway Roadway widening - add lane(s) along segment	1.651 Miles	106931	106931	HSIP (Section 148)	Urban Principal Arterial - Interstate	150230.16353725	70	State Highway Agency		
4154 95-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0 Miles	4988	4988	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	
4159 73-1	Intersection geometry Auxiliary lanes - add left-turn lane	0.175 Miles	202554	215821	HSIP (Section 148)	Urban Minor Arterial	13300	45	State Highway Agency	Intersections	
4160 87-1	Intersection traffic control Systemic improvements - signal-controlled	0.0129999999999999 Miles	30164	58048	HSIP (Section 148)	Urban Minor Arterial	30500	45	State Highway Agency	Intersections	
4184 39-1	Miscellaneous	0 Miles	299978	462988	HSIP (Section 148)	Other	0	0	Other Local Agency		
4193 15-1	Roadway Pavement	7.869 Miles	6334	16866	HSIP (Section 148)	Rural Principal	14800	55	State Highway Agency	Lane Departur	

	surface - miscellaneous			7	n 148)	Arterial - Other Freeways and Expressways			y Agency	e	
419615-2	Roadway signs and traffic control Sign sheeting - upgrade or replacement	2.254 Miles	28915	28915	HSIP (Section 148)	Rural Local Road or Street	0	0	Other Local Agency	Lane Departure	
419679-1	Shoulder treatments Pave existing shoulders	0.35 Miles	2103718	2103813	HSIP (Section 148)	Urban Major Collector	13900	45	State Highway Agency	Lane Departure	
419825-1	Roadway Pavement surface - miscellaneous	0.457 Miles	32	4395	HSIP (Section 148)	Urban Principal Arterial - Other	16612.6914660832	35	State Highway Agency	Intersections	
422620-1	Roadway Pavement surface - miscellaneous	0.032 Miles	305642	2735200	HSIP (Section 148)	Urban Minor Arterial	43500	40	State Highway Agency	Intersections	
423022-1	Shoulder treatments Pave existing shoulders	5.62 Miles	3474290	4400140	HRRRP (SAFET EA-LU)	Urban Minor Arterial	20200	45	State Highway Agency	Lane Departure	

									Agency		
4230 31-1	Miscellaneous	3.824 Miles	1385	16588 9	HSIP (Section 148)	Urban Principal Arterial - Other	17546.36506 27615	60	State Highway Agency	Lane Departure	
4230 51-1	Roadway Pavement surface - miscellaneous	3.824 Miles	8563	46480 6	HSIP (Section 148)	Urban Principal Arterial - Other	17546.36506 27615	60	State Highway Agency		
4230 64-1	Roadway Roadway widening - add lane(s) along segment	0.244 Miles	5843 04	12666 436	HSIP (Section 148)	Rural Major Collector	921.5163934 42625	55	State Highway Agency	Lane Departure	
4230 71-1	Interchange design Interchange design - other	0.36 Miles	5721 14	57946 6	HSIP (Section 148)	Urban Principal Arterial - Other	27470.83333 33333	45	State Highway Agency	Intersections	
4231 17-2	Miscellaneous	0 Miles	2022 65	21569 6	HSIP (Section 148)	Urban Principal Arterial - Other	32500	45	State Highway Agency	Intersections	
4234 24-1	Shoulder treatments Pave existing shoulders	0.921 Miles	5551 27	79754 7	HSIP (Section 148)	Rural Principal Arterial -	7000	55	State Highway	Lane Departure	

						Other			Agency		
4239 22-1	Intersection traffic control Systemic improvements - signal-controlled	0.917 Miles	5960 22	73877 2	HSIP (Section 148)	Urban Minor Arterial	52504.90730 6434	45	State Highway Agency	Intersections	
4243 44-1	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	4.046 Miles	1015 568	10169 77	HSIP (Section 148)	Urban Principal Arterial - Other	23211.49283 24271	55	State Highway Agency	Pedestrians	
4244 70-1	Shoulder treatments Pave existing shoulders	2.482 Miles	1839 1	32774	HSIP (Section 148)	Rural Principal Arterial - Other	6440.934730 05641	60	State Highway Agency	Lane Departure	
4245 52-1	Roadway Pavement surface - miscellaneous	0.017000000000 0012 Miles	4405 50	25547 67	HSIP (Section 148)	Urban Principal Arterial - Other	47500	55	State Highway Agency		
4245 61-1	Roadway Pavement surface - miscellaneous	5.012 Miles	134	43990 1	HSIP (Section 148)	Urban Principal Arterial - Other	53500	60	State Highway Agency		
4246 74-1	Roadway Pavement surface - miscellaneous	0.491 Miles	9216 81	44027 77	HSIP (Section 148)	Urban Minor	45220.97759 67413	40	State Highway Agency	Intersections	

					n 148)	Arterial			Agency		
4247 27-1	Intersection geometry Auxiliary lanes - add left-turn lane	0.001000000000 00033 Miles	199	32065	HSIP (Sectio n 148)	Urban Principal Arterial - Other	7100	60	State Highwa y Agency	Intersect ions	
4251 37-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.283999999999 999 Miles	1825	29363	HSIP (Sectio n 148)	Urban Major Collector	9190.140845 07042	55	State Highwa y Agency	Intersect ions	
4251 45-2	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.099999999999 9996 Miles	3044	3089	HSIP (Sectio n 148)	Urban Principal Arterial - Other	79000	45	State Highwa y Agency	Intersect ions	
4252 34-1	Roadway Pavement surface - miscellaneous	5.86 Miles	9800 00	32655 56	HSIP (Sectio n 148)	Rural Principal Arterial - Other Freeways and Expressw ays	11400	60	State Highwa y Agency	Lane Departur e	
4252 42-1	Roadway Pavement surface - miscellaneous	7.008 Miles	2384 030	66813 28	HSIP (Sectio n 148)	Urban Principal Arterial - Other	16089.75456 621	65	State Highwa y Agency	Lane Departur e	

4252 70-1	Miscellaneous	0.322 Miles	1744 8	26076	HSIP (Section 148)	Urban Principal Arterial - Other	38500	40	State Highway Agency	Intersect ions	
4252 71-1	Miscellaneous	3.048 Miles	1100 389	11373 07	HSIP (Section 148)	Urban Minor Arterial	38488.18897 6378	40	State Highway Agency	Intersect ions	
4252 71-2	Miscellaneous	1.539 Miles	7238 24	75598 7	HSIP (Section 148)	Urban Minor Arterial	35000.97465 88694	40	State Highway Agency	Intersect ions	
4252 73-1	Miscellaneous	0.0499999999999999 9998 Miles	9377 2	10601 3	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	45500	45	State Highway Agency	Intersect ions	
4252 73-2	Miscellaneous	0.0999999999999999 9999 Miles	3151 95	35002 0	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressw	47000	60	State Highway Agency	Intersect ions	

						ays					
4252 73-3	Miscellaneous	0.03 Miles	2277 72	23940 4	HSIP (Section 148)	Urban Principal Arterial - Other	37500	40	State Highway Agency	Intersect ions	
4255 04-2	Intersection geometry Auxiliary lanes - miscellaneous/other/ unspecified	0.849 Miles	2561	18447	HSIP (Section 148)	Urban Principal Arterial - Other	25000	30	State Highway Agency	Intersect ions	
4255 13-2	Miscellaneous	0.000999999999 997669 Miles	1224 1	16394	HSIP (Section 148)	Other	72000	45	Other Local Agency	Intersect ions	
4255 79-1	Intersection geometry Auxiliary lanes - miscellaneous/other/ unspecified	0.04 Miles	463	463	HSIP (Section 148)	Urban Principal Arterial - Other	62500	45	State Highway Agency	Intersect ions	
4255 82-1	Intersection geometry Auxiliary lanes - miscellaneous/other/ unspecified	0.114 Miles	5303 11	64681 3	HSIP (Section 148)	Urban Principal Arterial - Other	98000	45	State Highway Agency	Intersect ions	
4255 97-2	Intersection geometry Auxiliary lanes - miscellaneous/other/ unspecified	0.133 Miles	4639 7	11149 7	HSIP (Section 148)	Urban Minor Arterial	12500	30	State Highway Agency	Intersect ions	

4256 37-1	Roadway Pavement surface - miscellaneous	0.043 Miles	2748 84	34874 5	HSIP (Section 148)	Other	17500	0	Other Local Agency	Lane Departur e	
4256 97-1	Roadway Roadway widening - add lane(s) along segment	4.568 Miles	1069 267	20481 70	HSIP (Section 148)	Rural Local Road or Street	2400	35	Other Local Agency	Lane Departur e	
4256 97-2	Roadway Roadway widening - add lane(s) along segment	4.568 Miles	2000 70	20007 0	HRRRP (SAFET EA-LU)	Rural Local Road or Street	2400	35	Other Local Agency	Lane Departur e	
4268 51-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.168 Miles	1330 5	23899	HSIP (Section 148)	Urban Principal Arterial - Other	55000	45	State Highwa y Agency	Intersect ions	
4268 54-1	Miscellaneous	0.441 Miles	5510 72	63767 8	HSIP (Section 148)	Urban Principal Arterial - Other	52340.13605 44218	45	State Highwa y Agency	Intersect ions	
4268 55-1	Miscellaneous	0 Miles	267	24943	HSIP (Section 148)	Urban Minor Arterial	39365	45	State Highwa y Agency	Intersect ions	

4268 89-1	Intersection traffic control Systemic improvements - signal-controlled	2.183 Miles	7222 15	12697 31	HSIP (Section 148)	Urban Principal Arterial - Other	23969.53733 39441	45	State Highway Agency	Intersections	
4270 10-1	Roadway Pavement surface - miscellaneous	1.301 Miles	3684 0	17276 34	HSIP (Section 148)	Urban Principal Arterial - Other	53387.00999 23136	50	State Highway Agency	Intersections	
4270 12-2	Miscellaneous	0.159000000000 001 Miles	3757 5	39180	HSIP (Section 148)	Urban Principal Arterial - Other	32500	50	State Highway Agency	Intersections	
4270 14-1	Roadway Pavement surface - miscellaneous	1.153 Miles	2454 72	27717 03	HSIP (Section 148)	Urban Principal Arterial - Other	36392.88811 79532	45	State Highway Agency	Intersections	
4271 58-1	Roadway Pavement surface - miscellaneous	0.036000000000 0005 Miles	1322 581	91063 06	HSIP (Section 148)	Urban Principal Arterial - Other	37500	45	State Highway Agency	Bicyclists	
4271 91-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.133 Miles	1799	85941	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and	12700	65	State Highway Agency	Intersections	

						Expressways					
4272 80-1	Roadway Pavement surface - miscellaneous	0.111000000000 001 Miles	4299 82	85136 9	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	8700	55	State Highway Agency	Lane Departure	
4272 85-1	Roadway Pavement surface - miscellaneous	5.788 Miles	1459 769	31520 89	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	3800	60	State Highway Agency	Lane Departure	
4272 97-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.247 Miles	5300 28	84885 2	HSIP (Section 148)	Urban Principal Arterial - Other	43768.95141 7004	50	State Highway Agency	Intersections	
4272 98-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.060000000000 0005 Miles	9754 8	13817 3	HSIP (Section 148)	Urban Principal Arterial - Other	43833.33333 33333	45	State Highway Agency	Intersections	

	nspecified										
4273 03-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	29.521 Miles	14006	14006	HRRRP (SAFET EA-LU)	Other	0	0	Other Local Agency	Lane Departure	
4273 10-1	Intersection geometry Auxiliary lanes - add left-turn lane	0.313 Miles	62436	123172	HSIP (Section 148)	Urban Minor Arterial	7000	50	State Highway Agency	Intersections	
4273 16-1	Pedestrians and bicyclists Install sidewalk	0.124000000000001 Miles	2991	22657	HSIP (Section 148)	Urban Major Collector	24500	40	State Highway Agency	Pedestrians	
4273 19-1	Pedestrians and bicyclists Install sidewalk	1.481 Miles	507850	607742	HSIP (Section 148)	Rural Minor Arterial	5066.64415935179	50	State Highway Agency	Pedestrians	
4273 28-1	Pedestrians and bicyclists Install sidewalk	1.478 Miles	225560	289099	HSIP (Section 148)	Urban Minor Arterial	28024.6955345061	45	State Highway Agency	Pedestrians	
4273 29-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u	0.22 Miles	359436	581490	HSIP (Section 148)	Urban Minor Arterial	17543.1818181818	45	State Highway Agency	Intersections	

	nspecified								Agency		
4273 31-1	Pedestrians and bicyclists Install sidewalk	0.772 Miles	229501	270156	HSIP (Section 148)	Urban Minor Arterial	40000	45	State Highway Agency	Pedestrians	
4274 17-1	Lighting Lighting - other	0.958 Miles	370707	982444	HSIP (Section 148)	Urban Principal Arterial - Other	37345	45	State Highway Agency	Pedestrians	
4274 80-1	Shoulder treatments Pave existing shoulders	2.077 Miles	2137302	2137739	HSIP (Section 148)	Urban Major Collector	5100	45	State Highway Agency	Lane Departure	
4275 13-1	Roadway Pavement surface - miscellaneous	0.008000000000000000000001 Miles	239017	4095335	HSIP (Section 148)	Urban Minor Arterial	39000	30	State Highway Agency	Intersections	
4275 17-1	Roadway Pavement surface - miscellaneous	0.051999999999999999999999 Miles	104407	3439962	HSIP (Section 148)	Urban Principal Arterial - Other	11500	40	State Highway Agency	Intersections	
4276 40-1	Pedestrians and bicyclists Install sidewalk	1 Miles	368649	368649	HSIP (Section 148)	Other	0	0	Other Local Agency	Pedestrians	

4276 43-1	Shoulder treatments Pave existing shoulders	2.15 Miles	5967 47	59767 3	HSIP (Section 148)	Rural Minor Collector	1950	0	State Highway Agency	Lane Departure	
4279 26-1	Miscellaneous	0 Miles	7551	20880	HSIP (Section 148)	Urban Minor Arterial	45500	45	State Highway Agency	Intersections	
4279 27-1	Intersection traffic control Modify traffic signal - miscellaneous/other/ unspecified	0.083000000000 0002 Miles	3619 05	37051 1	HSIP (Section 148)	Urban Principal Arterial - Other	48000	40	State Highway Agency	Intersections	
4280 53-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	1.613 Miles	7356 87	73819 1	HRRRP (SAFET EA-LU)	Rural Local Road or Street	0	0	Other Local Agency	Lane Departure	
4280 55-1	Intersection traffic control Systemic improvements - signal- controlled	0.999 Miles	1546 41	17091 1	HSIP (Section 148)	Urban Principal Arterial - Other	59226.72672 67267	40	State Highway Agency	Intersections	
4282 14-1	Pedestrians and bicyclists Miscellaneous pedestrians and	2.99 Miles	5001 63	50016 3	HSIP (Section 148)	Urban Minor Arterial	37906.52173 91304	45	State Highway Agency	Pedestrians	

	bicyclists										
4282 74-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.15 Miles	2935 83	32761 8	HSIP (Section 148)	Urban Principal Arterial - Other	39500	45	State Highway Agency	Intersections	
4282 75-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.106 Miles	2441 20	24972 6	HSIP (Section 148)	Urban Principal Arterial - Other	47000	35	State Highway Agency	Intersections	
4282 77-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.092000000000 0001 Miles	9974 5	11904 9	HSIP (Section 148)	Urban Minor Arterial	22266.30434 78261	35	State Highway Agency	Intersections	
4282 78-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.056999999999 9995 Miles	2571 60	27727 0	HSIP (Section 148)	Urban Minor Arterial	13900	40	State Highway Agency	Intersections	
4282 79-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.045 Miles	3570 89	10990 41	HSIP (Section 148)	Urban Principal Arterial - Other	25000	40	State Highway Agency	Intersections	
4283 98-2	Shoulder treatments	8.656 Miles	5524	55249	HSIP (Section 148)	Rural Major	3000	0	State Highway Agency	Lane Departures	

	Pave existing shoulders		9		n 148)	Collector			y Agency	e	
428480-2	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.14 Miles	564733	612136	HSIP (Section 148)	Urban Minor Arterial	21181.4285714286	35	State Highway Agency	Intersections	
428484-1	Roadway Pavement surface - miscellaneous	0.028 Miles	55099	2676260	HSIP (Section 148)	Urban Minor Arterial	41000	35	State Highway Agency	Intersections	
428603-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	23.673 Miles	1415643	1575078	HSIP (Section 148)	Urban Principal Arterial - Other	10959.9525197482	65	State Highway Agency	Lane Departure	
428687-1	Roadway Pavement surface - miscellaneous	5.815 Miles	40000	2375098	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	13300	55	State Highway Agency	Lane Departure	
428761-1	Shoulder treatments Pave existing shoulders	2.868 Miles	19965	79683	HSIP (Section 148)	Rural Major Collector	5600	0	State Highway Agency	Lane Departure	

									Agency		
4287 70-1	Shoulder treatments Pave existing shoulders	1.04 Miles	1043 382	11732 10	HSIP (Section 148)	Rural Minor Collector	450	0	State Highway Agency	Lane Departur e	
4288 63-1	Roadside Barrier- metal	9.956 Miles	1692	42275	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressw ays	25051.94445 56047	70	State Highwa y Agency	Data	
4288 72-1	Shoulder treatments Pave existing shoulders	2.879 Miles	138	138	HRRRP (SAFET EA-LU)	Rural Major Collector	3601.840916 98506	55	State Highwa y Agency	Lane Departur e	
4288 72-2	Shoulder treatments Pave existing shoulders	1.517 Miles	1097 190	10971 90	HSIP (Section 148)	Rural Major Collector	3700	55	State Highwa y Agency	Intersect ions	
4288 73-1	Shoulder treatments Pave existing shoulders	1.495 Miles	1910 1	19101	HRRRP (SAFET EA-LU)	Rural Major Collector	600	0	State Highwa y Agency	Lane Departur e	

4288 73-2	Shoulder treatments Pave existing shoulders	5.051 Miles	8874	8874	HSIP (Section 148)	Rural Minor Collector	549.8119184 31994	35	State Highway Agency	Lane Departur e	
4288 73-3	Shoulder treatments Pave existing shoulders	7.142 Miles	8909	8909	HSIP (Section 148)	Rural Minor Collector	600	55	State Highway Agency	Lane Departur e	
4288 73-4	Shoulder treatments Pave existing shoulders	1.495 Miles	1986 625	19866 25	HRRRP (SAFET EA-LU)	Rural Major Collector	3000	0	State Highway Agency	Lane Departur e	
4288 73-5	Shoulder treatments Pave existing shoulders	5.051 Miles	2100 511	21005 11	HSIP (Section 148)	Rural Minor Collector	549.8119184 31994	35	State Highway Agency	Lane Departur e	
4288 73-6	Shoulder treatments Pave existing shoulders	7.142 Miles	2519 000	25190 00	HSIP (Section 148)	Rural Minor Collector	500	55	State Highway Agency	Lane Departur e	
4288 74-1	Shoulder treatments Pave existing shoulders	8.439 Miles	2388 8	23888	HRRRP (SAFET EA-LU)	Rural Minor Collector	600	0	State Highway Agency	Lane Departur e	

4288 74-2	Shoulder treatments Pave existing shoulders	8.439 Miles	5593	5593	HRRRP (SAFET EA-LU)	Rural Minor Collector	600	0	State Highwa y Agency	Lane Departur e	
4289 64-1	Roadside Drainage improvements	12.743 Miles	2836 4	63142	HSIP (Sectio n 148)	Rural Minor Collector	3094.396923 8013	55	State Highwa y Agency	Lane Departur e	
4290 14-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.295 Miles	1613 8	39731	HSIP (Sectio n 148)	Urban Principal Arterial - Other	45955.93220 33898	45	State Highwa y Agency	Intersect ions	
4290 21-1	Miscellaneous	0.207 Miles	3523 7	45942	HSIP (Sectio n 148)	Urban Principal Arterial - Other	99086.95652 17391	45	State Highwa y Agency	Intersect ions	
4290 39-1	Railroad grade crossings Railroad grade crossings - other	0 Miles	5105 0	51050	HSIP (Sectio n 148)	Other	0	0	Other Local Agency		
4290 40-1	Miscellaneous	0.001 Miles	7835 68	80911 9	HSIP (Sectio n 148)	Other	34000	45	Other Local Agency	Intersect ions	
4291 85-1	Roadway Pavement surface - miscellaneous	0.0839999999999 9996 Miles	1035 17	15666 7	HSIP (Sectio n 148)	Urban Principal Arterial -	38500	40	State Highwa y	Intersect ions	

					n 148)	Other			Agency		
4291 93-1	Roadway Pavement surface - miscellaneous	0.925 Miles	53578	61750	HSIP (Section 148)	Urban Minor Arterial	48500	30	State Highway Agency	Intersections	
4292 46-2	Shoulder treatments Pave existing shoulders	14.771 Miles	15519	30151	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	8500	65	State Highway Agency	Lane Departure	
4293 45-2	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.00099999999999999946 Miles	87494	87494	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	
4293 46-2	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.114 Miles	92162	101048	HSIP (Section 148)	Urban Minor Arterial	19728	30	State Highway Agency	Intersections	
4293 66-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.15 Miles	314294	316982	HSIP (Section 148)	Urban Major Collector	56000	45	State Highway Agency	Intersections	

4293 67-1	Intersection traffic control Modify control - traffic signal to roundabout	0.1 Miles	4594 17	46451 9	HSIP (Section 148)	Urban Major Collector	0	0	State Highway Agency	Intersect ions	
4294 85-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	0.612 Miles	1311 87	14685 6	HSIP (Section 148)	Other	32000	0	Other Local Agency	Lane Departur e	
4294 88-1	Lighting Lighting - other	0.503000000000 002 Miles	3326 52	35446 2	HSIP (Section 148)	Urban Principal Arterial - Other	0	50	State Highway Agency	Lane Departur e	
4294 96-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.056999999999 9999 Miles	2487 2	53261	HSIP (Section 148)	Urban Principal Arterial - Other	38500	45	State Highway Agency	Intersect ions	
4294 98-1	Lighting Lighting - other	1.439 Miles	1355 97	14159 6	HSIP (Section 148)	Urban Principal Arterial - Other	35987.83877 69284	55	State Highway Agency	Lane Departur e	
4295 03-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.016999999999 9999 Miles	2968 7	66844	HSIP (Section 148)	Urban Principal Arterial - Other	40500	45	State Highway Agency	Intersect ions	

	nspecified										
4295 04-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.026000000000 0002 Miles	4995 5	67245	HSIP (Section 148)	Urban Principal Arterial - Other	40500	45	State Highway Agency	Intersections	
4295 06-1	Lighting Lighting - other	1.247 Miles	1090 7	11172 0	HSIP (Section 148)	Urban Principal Arterial - Other	40500	45	State Highway Agency	Lane Departure	
4295 09-1	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	0.739000000000 001 Miles	5575 8	63143	HSIP (Section 148)	Urban Principal Arterial - Other	44604.19485 79161	40	State Highway Agency	Pedestrians	
4295 26-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.334 Miles	2147 697	22137 24	HSIP (Section 148)	Urban Principal Arterial - Other	35750	45	State Highway Agency	Intersections	
4296 06-1	Intersection traffic control Modify control - traffic signal to roundabout	0.001999999999 99889 Miles	2715 00	27150 0	HSIP (Section 148)	Rural Major Collector	7600	55	State Highway Agency	Intersections	
4296 47-1	Pedestrians and bicyclists Install	0.89 Miles	8000	80000	HSIP (Section 148)	Urban Local	0	0	Other Local	Pedestrians	

	sidewalk		00	0	n 148)	Road or Street			Agency	ans	
4296 50-1	Miscellaneous	0 Miles	300000	300000	HSIP (Section 148)	Other	0	0	Other Local Agency		
4296 52-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0 Miles	300000	300000	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	
4296 60-1	Pedestrians and bicyclists Install sidewalk	0.54 Miles	109	109	HSIP (Section 148)	Rural Local Road or Street	0	0	Other Local Agency	Pedestrians	
4296 60-2	Pedestrians and bicyclists Install sidewalk	0.804 Miles	66000	66000	HSIP (Section 148)	Rural Local Road or Street	0	0	Other Local Agency	Pedestrians	
4296 61-1	Pedestrians and bicyclists Install sidewalk	0.913 Miles	56	56	HSIP (Section 148)	Rural Minor Arterial	5100	45	State Highway Agency	Pedestrians	
4296 64-1	Pedestrians and bicyclists Install	0.77 Miles	56	56	HSIP (Section	Other	0	0	Other Local	Pedestrians	

	sidewalk				n 148)				Agency		
4296 70-1	Shoulder treatments Pave existing shoulders	6.819 Miles	3057 09	30570 9	HSIP (Section 148)	Rural Minor Collector	700	25	State Highway Agency	Lane Departur e	
4296 70-3	Shoulder treatments Pave existing shoulders	2.436 Miles	1484 98	14849 8	HSIP (Section 148)	Rural Minor Collector	550	0	State Highway Agency	Lane Departur e	
4296 71-1	Shoulder treatments Pave existing shoulders	8.016 Miles	1785 3	17853	HSIP (Section 148)	Other	2300	0	Other Local Agency	Lane Departur e	
4296 71-2	Shoulder treatments Pave existing shoulders	8.016 Miles	3700 000	37000 00	HSIP (Section 148)	Rural Minor Collector	1812.063373 25349	0	State Highway Agency	Lane Departur e	
4296 72-1	Shoulder treatments Pave existing shoulders	6.508 Miles	420	420	HSIP (Section 148)	Rural Minor Collector	1600	45	State Highway Agency	Lane Departur e	
4296 72-2	Shoulder treatments Pave existing shoulders	6.508 Miles	2700 000	27000 00	HRRRP (SAFET EA-LU)	Rural Minor Collector	1600	45	State Highway Agency	Lane Departur e	

4296 73-2	Roadway signs and traffic control Sign sheeting - upgrade or replacement	6.36 Miles	1877 18	18771 8	HSIP (Section 148)	Rural Local Road or Street	650	45	Other Local Agency	Lane Departure	
4296 74-1	Shoulder treatments Pave existing shoulders	8.949 Miles	7252	7252	HSIP (Section 148)	Rural Minor Collector	200	0	State Highway Agency	Lane Departure	
4296 75-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	3.022 Miles	2258 01	22580 1	HRRRP (SAFET EA-LU)	Rural Minor Arterial	6700	45	State Highway Agency	Lane Departure	
4296 77-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	2.102 Miles	2666	2666	HSIP (Section 148)	Rural Major Collector	6000	30	State Highway Agency	Lane Departure	
4296 77-2	Roadway signs and traffic control Sign sheeting - upgrade or replacement	4.394 Miles	1662 62	16626 2	HSIP (Section 148)	Rural Major Collector	6000	30	State Highway Agency	Lane Departure	
4296 78-1	Shoulder treatments Pave existing shoulders	6.257 Miles	298	298	HSIP (Section 148)	Rural Minor Collector	2400	40	State Highway Agency	Lane Departure	

4296 78-2	Shoulder treatments Pave existing shoulders	0.273999999999 999 Miles	3346 745	33467 45	HRRRP (SAFET EA-LU)	Urban Major Collector	2400	40	State Highwa y Agency	Lane Departur e	
4296 84-1	Roadway Roadway widening - add lane(s) along segment	3.99 Miles	3011 7	53996	HRRRP (SAFET EA-LU)	Rural Minor Collector	450	40	State Highwa y Agency	Lane Departur e	
4297 40-1	Intersection traffic control Modify traffic signal - miscellaneous/other/u nspecified	0.228000000000 001 Miles	1107 7	18469	HSIP (Sectio n 148)	Urban Minor Arterial	39000	45	State Highwa y Agency	Intersect ions	
4297 42-1	Lighting Lighting - other	0.629 Miles	1916	7343	HSIP (Sectio n 148)	Urban Principal Arterial - Other	51500	45	State Highwa y Agency	Intersect ions	
4297 45-1	Lighting Lighting - other	0.833 Miles	3294 4	36385	HSIP (Sectio n 148)	Urban Principal Arterial - Other	11500	55	State Highwa y Agency	Intersect ions	
4297 49-1	Pedestrians and bicyclists Install sidewalk	0 Miles	5318	63535	HSIP (Sectio n 148)	Other	0	0	Other Local Agency	Pedestri ans	

4297 50-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	6.497 Miles	7701 2	90177	HSIP (Section 148)	Rural Minor Collector	1100	50	State Highway Agency	Lane Departure	
4297 50-2	Shoulder treatments Pave existing shoulders	3.354 Miles	2553 23	26579 4	HSIP (Section 148)	Urban Major Collector	450	35	State Highway Agency	Lane Departure	
4297 52-1	Pedestrians and bicyclists Install sidewalk	0 Miles	5000 00	51537 0	HSIP (Section 148)	Other	0	0	Other Local Agency	Pedestrians	
4297 76-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.199999999999999 999 Miles	2780 2	59859	HSIP (Section 148)	Urban Principal Arterial - Other	53000	45	State Highway Agency	Intersections	
4298 70-1	Pedestrians and bicyclists Install sidewalk	0.7 Miles	1000	10779 6	HSIP (Section 148)	Other	0	0	Other Local Agency	Pedestrians	
4298 74-1	Pedestrians and bicyclists Install sidewalk	0.95 Miles	3095	3095	HSIP (Section 148)	Other	55000	0	Other Local Agency	Pedestrians	
4301 96-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.178 Miles	3767 0	47417	HSIP (Section 148)	Urban Principal Arterial -	55000	45	State Highway	Intersections	

	nspecified					Other			Agency		
4306 42-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	7.128 Miles	2876 60	30720 4	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	8017.059483 72615	60	State Highway Agency	Lane Departure	
4306 65-1	Shoulder treatments Pave existing shoulders	3.014 Miles	1104 10	12025 4	HSIP (Section 148)	Urban Principal Arterial - Other	30398.34437 08609	55	State Highway Agency	Lane Departure	
4306 65-2	Shoulder treatments Pave existing shoulders	3.87 Miles	9214 4	97594	HSIP (Section 148)	Urban Principal Arterial - Other	25321.96382 42894	55	State Highway Agency	Lane Departure	
4306 72-1	Pedestrians and bicyclists Install sidewalk	0.434 Miles	1607 606	17928 43	HSIP (Section 148)	Urban Principal Arterial - Other	27264.97695 85253	40	State Highway Agency	Pedestrians	
4307 68-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.001000000000 00122 Miles	3624 25	36342 5	HSIP (Section 148)	Urban Principal Arterial - Other	53500	45	State Highway Agency	Intersections	

4307 77-1	Roadway Pavement surface - miscellaneous	0.135 Miles	2062 27	95369 3	HSIP (Section 148)	Urban Principal Arterial - Other	26274.07407 40741	45	State Highway Agency	Pedestrians	
4307 98-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.152 Miles	8947	14755	HSIP (Section 148)	Urban Principal Arterial - Other	63217.10526 31579	45	State Highway Agency	Intersections	
4307 99-1	Lighting Lighting - other	0.246 Miles	4268 1	53194	HSIP (Section 148)	Urban Principal Arterial - Other	29000	45	State Highway Agency	Pedestrians	
4308 01-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.32 Miles	1003 81	11940 5	HSIP (Section 148)	Urban Principal Arterial - Other	47843.75	45	State Highway Agency	Intersections	
4308 08-1	Roadway Pavement surface - miscellaneous	2.852 Miles	1504 99	85042 3	HSIP (Section 148)	Urban Principal Arterial - Other	67784.71248 24685	45	State Highway Agency	Intersections	
4308 50-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	0 Miles	3881 1	38811	HSIP (Section 148)	Other	0	0	Other Local Agency	Lane Departure	

4308 52-1	Non-infrastructure Non-infrastructure - other	0 Miles	145378	145378	HSIP (Section 148)	Other	0	0	Other Local Agency		
4308 53-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.0380000000000003 Miles	478183	481649	HSIP (Section 148)	Urban Principal Arterial - Other	34500	60	State Highway Agency	Intersections	
4308 54-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.0659999999999999 Miles	496260	531460	HSIP (Section 148)	Urban Minor Arterial	40159.0909090909	45	State Highway Agency	Intersections	
4308 55-1	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	3.623 Miles	53560	59166	HSIP (Section 148)	Urban Minor Arterial	34329.0091084736	45	State Highway Agency	Pedestrians	
4308 56-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.0309999999999999 Miles	38982	54326	HSIP (Section 148)	Urban Principal Arterial - Other	53693.5483870968	45	State Highway Agency	Intersections	
4308 57-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.186 Miles	641582	657398	HSIP (Section 148)	Urban Minor Arterial	28618.2795698925	45	State Highway Agency	Intersections	

	nspecified								Agency		
4308 58-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.12 Miles	4905 0	61989	HSIP (Sectio n 148)	Urban Minor Arterial	28600	40	State Highwa y Agency	Intersect ions	
4308 59-1	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	1.279 Miles	8435 9	90628	HSIP (Sectio n 148)	Urban Minor Arterial	33596.16888 1939	40	State Highwa y Agency	Pedestri ans	
4308 60-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.0749999999999 9997 Miles	9971 2	10682 8	HSIP (Sectio n 148)	Urban Principal Arterial - Other	29713.33333 33333	35	State Highwa y Agency	Intersect ions	
4308 61-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.0860000000000 0003 Miles	4727 5	49987	HSIP (Sectio n 148)	Urban Principal Arterial - Other	43500	50	State Highwa y Agency	Intersect ions	
4308 62-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.215 Miles	3517 3	19707 8	HSIP (Sectio n 148)	Urban Principal Arterial - Other	20200	40	State Highwa y Agency	Intersect ions	
4308 63-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u	0.199 Miles	7940 2	11120 6	HSIP (Sectio	Urban Minor	33902.01005 02513	45	State Highwa y	Intersect ions	

	nspecified				n 148)	Arterial			Agency		
4308 64-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	0.066000000000 0001 Miles	5233 1	56549	HSIP (Sectio n 148)	Urban Principal Arterial - Other	45323.81818 18182	45	State Highwa y Agency	Intersect ions	
4308 65-1	Intersection traffic control Modify traffic signal - miscellaneous/other/u nspecified	0.033000000000 0013 Miles	3812 8	40240	HSIP (Sectio n 148)	Urban Principal Arterial - Other	43287.87878 78786	40	State Highwa y Agency	Intersect ions	
4308 66-1	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	2.385 Miles	2998 1	38268	HSIP (Sectio n 148)	Urban Principal Arterial - Other	42563.10272 53669	45	State Highwa y Agency	Pedestri ans	
4308 96-1	Pedestrians and bicyclists Install sidewalk	3.471 Miles	1320 088	14377 64	HSIP (Sectio n 148)	Urban Principal Arterial - Other	27839.32584 26966	55	State Highwa y Agency	Pedestri ans	
4309 10-1	Intersection geometry Auxiliary lanes - miscellaneous/other/u nspecified	1.59 Miles	5398 86	55432 5	HSIP (Sectio n 148)	Urban Minor Arterial	37946.85534 5912	45	State Highwa y Agency	Intersect ions	
4309 11-1	Intersection geometry Auxiliary lanes -	0.219 Miles	7691	79056	HSIP (Sectio	Urban Principal	47760.27397	45	State Highwa	Intersect	

	miscellaneous/other/unspecified		49	9	n 148)	Arterial - Other	26027		y Agency	ions	
4309 14-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.812 Miles	559421	567995	HSIP (Section 148)	Urban Principal Arterial - Other	28500	40	State Highway Agency	Intersections	
4309 28-1	Roadway Pavement surface - high friction surface	0.444 Miles	380305	411139	HSIP (Section 148)	Urban Principal Arterial - Other	26500	45	State Highway Agency	Lane Departure	
4309 29-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.126 Miles	40480	80574	HSIP (Section 148)	Rural Minor Arterial	4295.2380952381	60	State Highway Agency	Intersections	
4309 30-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.331 Miles	72314	74441	HSIP (Section 148)	Rural Minor Arterial	3314.19939577039	60	State Highway Agency	Intersections	
4309 42-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	5.803 Miles	50168	54735	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressw	11938.0473892814	60	State Highway Agency	Lane Departure	

						ays					
4309 42-2	Roadway signs and traffic control Sign sheeting - upgrade or replacement	4.85 Miles	3268 6	33706	HSIP (Section 148)	Urban Principal Arterial - Other	16318.63917 52577	65	State Highway Agency	Lane Departure	
4311 21-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.10599999999999998 Miles	1738 39	18689 4	HSIP (Section 148)	Urban Principal Arterial - Other	15700	60	State Highway Agency	Intersections	
4311 22-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.6290000000000000 Miles	7898 9	85750	HSIP (Section 148)	Urban Minor Arterial	7500	60	State Highway Agency	Intersections	
4311 42-1	Shoulder treatments Pave existing shoulders	2.239 Miles	6182 0	61820	HRRRP (SAFET EA-LU)	Rural Major Collector	1950	0	State Highway Agency	Data	
4311 96-1	Intersection geometry Auxiliary lanes - add left-turn lane	0.135 Miles	1499 9	14999	HSIP (Section 148)	Urban Major Collector	11600	40	State Highway Agency	Intersections	
4314 29-1	Miscellaneous	0.008000000000000000 Miles	1144 394	11603 69	HRRRP (SAFET EA-LU)	Rural Local Road or	0	0	Other Local Agency	Lane Departure	

						Street					
4314 30-1	Roadway signs and traffic control Sign sheeting - upgrade or replacement	5.37 Miles	35277	35277	HRRRP (SAFET EA-LU)	Rural Local Road or Street	0	0	Other Local Agency	Lane Departure	
4316 35-1	Miscellaneous	0 Miles	281211	281211	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	
4317 26-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.405999999999999 Miles	601832	621122	HSIP (Section 148)	Rural Minor Arterial	12700	60	State Highway Agency	Intersections	
4317 27-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.389000000000000 Miles	578328	595110	HSIP (Section 148)	Rural Minor Arterial	12700	60	State Highway Agency	Intersections	
4317 48-1	Pedestrians and bicyclists Install sidewalk	2.29 Miles	372566	512500	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	4420.61135371179	55	State Highway Agency	Pedestrians	

4325 49-1	Roadway Pavement surface - high friction surface	0.435000000000 002 Miles	3431 1	60450	HSIP (Section 148)	Urban Principal Arterial - Interstate	18500	65	State Highway Agency	Lane Departure	
4326 60-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.5 Miles	1717 97	17679 7	HSIP (Section 148)	Urban Principal Arterial - Other	47000	50	State Highway Agency	Pedestrians	
4326 61-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.284 Miles	1209 615	12246 15	HSIP (Section 148)	Urban Principal Arterial - Other	9300	60	State Highway Agency	Intersections	
4326 63-1	Intersection traffic control Modify traffic signal - miscellaneous/other/unspecified	0.5 Miles	8278 73	85787 3	HSIP (Section 148)	Rural Local Road or Street	22000	65	Other Local Agency	Intersections	
4327 55-1	Lighting Lighting - other	4.884 Miles	6000 0	60600	HSIP (Section 148)	Urban Principal Arterial - Other	41144.34889 43489	55	State Highway Agency	Intersections	
4330	Intersection geometry Auxiliary lanes -	0.339 Miles	1257	12573	HSIP (Section 148)	Urban Minor	23500	0	State Highway	Intersections	

18-1	miscellaneous/other/unspecified		334	34	n 148)	Arterial			y Agency	ions	
4331 07-1	Intersection traffic control Systemic improvements - signal-controlled	1 Miles	1287 495	12874 95	HSIP (Section 148)	Other	0	0	Other Local Agency	Lane Departure	
4331 44-1	Miscellaneous	0 Miles	8000 00	80000 0	HSIP (Section 148)	Other	0	0	Other Local Agency	Ped / Bike	
4333 60-1	Intersection geometry Auxiliary lanes - miscellaneous/other/unspecified	0.199999999999999 999 Miles	1788 9	20111	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expressways	15400	65	State Highway Agency	Intersections	
4333 89-1	Shoulder treatments Pave existing shoulders	7.631 Miles	2088 31	20883 1	HSIP (Section 148)	Rural Major Collector	1999.226837 89805	55	State Highway Agency	Lane Departure	
4333 90-1	Miscellaneous	0 Miles	2999 51	30137 2	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersections	

4333 91-1	Miscellaneous	0 Miles	2497 19	24981 8	HSIP (Section 148)	Other	0	0	Other Local Agency	Intersect ions	

Progress in Achieving Safety Performance Targets

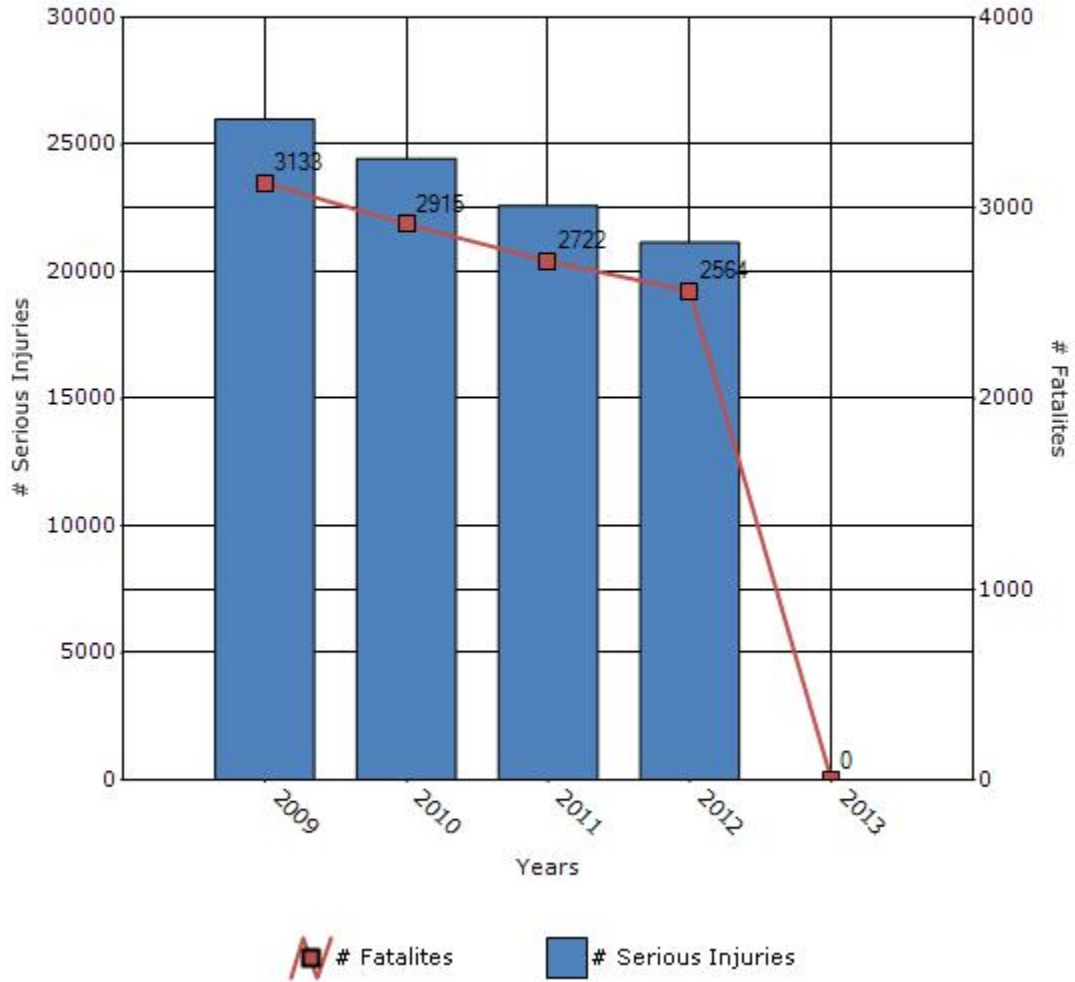
Overview of General Safety Trends

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

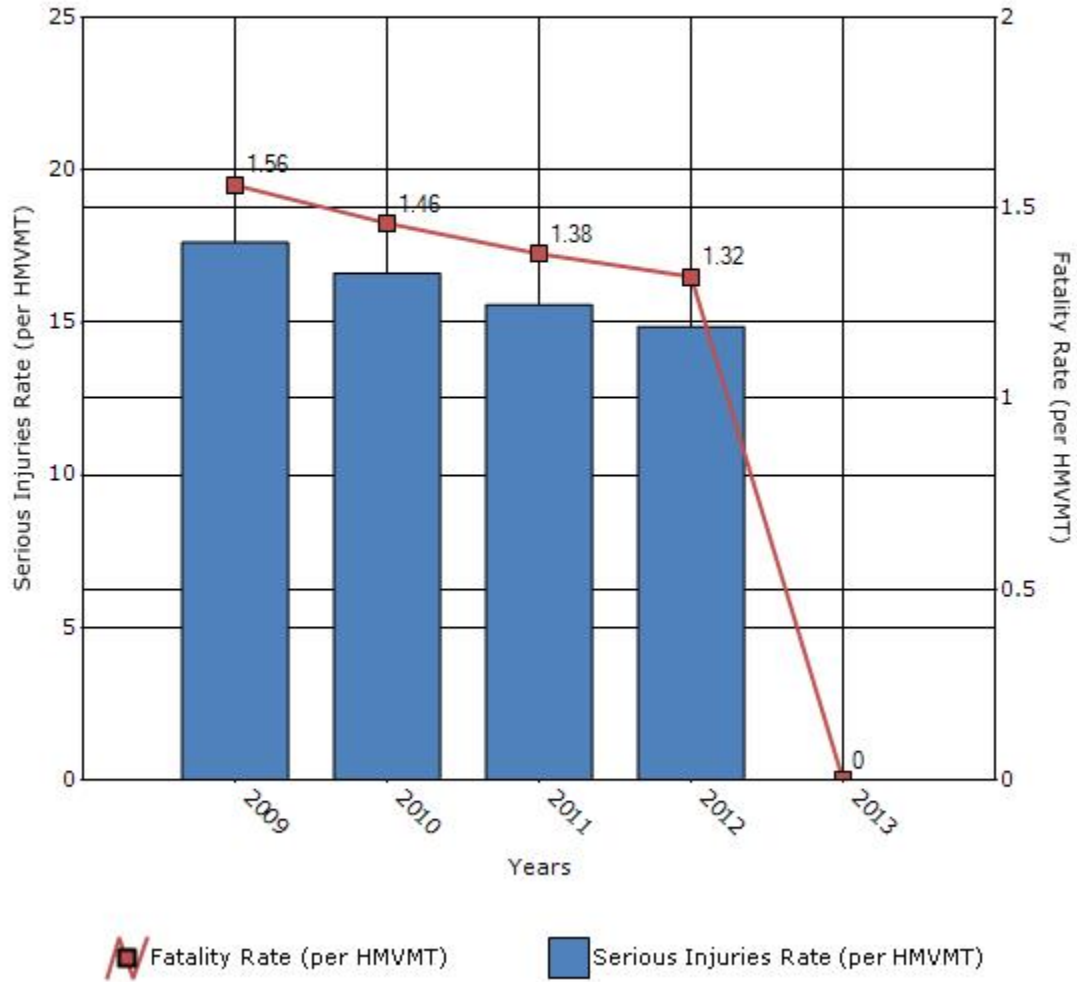
Performance Measures*	2009	2010	2011	2012	2013
Number of fatalities	3133	2915	2722	2564	0
Number of serious injuries	25992	24442	22585	21145	0
Fatality rate (per HMVMT)	1.56	1.46	1.38	1.32	0
Serious injury rate (per HMVMT)	17.62	16.61	15.57	14.86	0

*Performance measure data is presented using a five-year rolling average.

Number of Fatalities and Serious injuries for the Last Five Years



Rate of Fatalities and Serious injuries for the Last Five Years



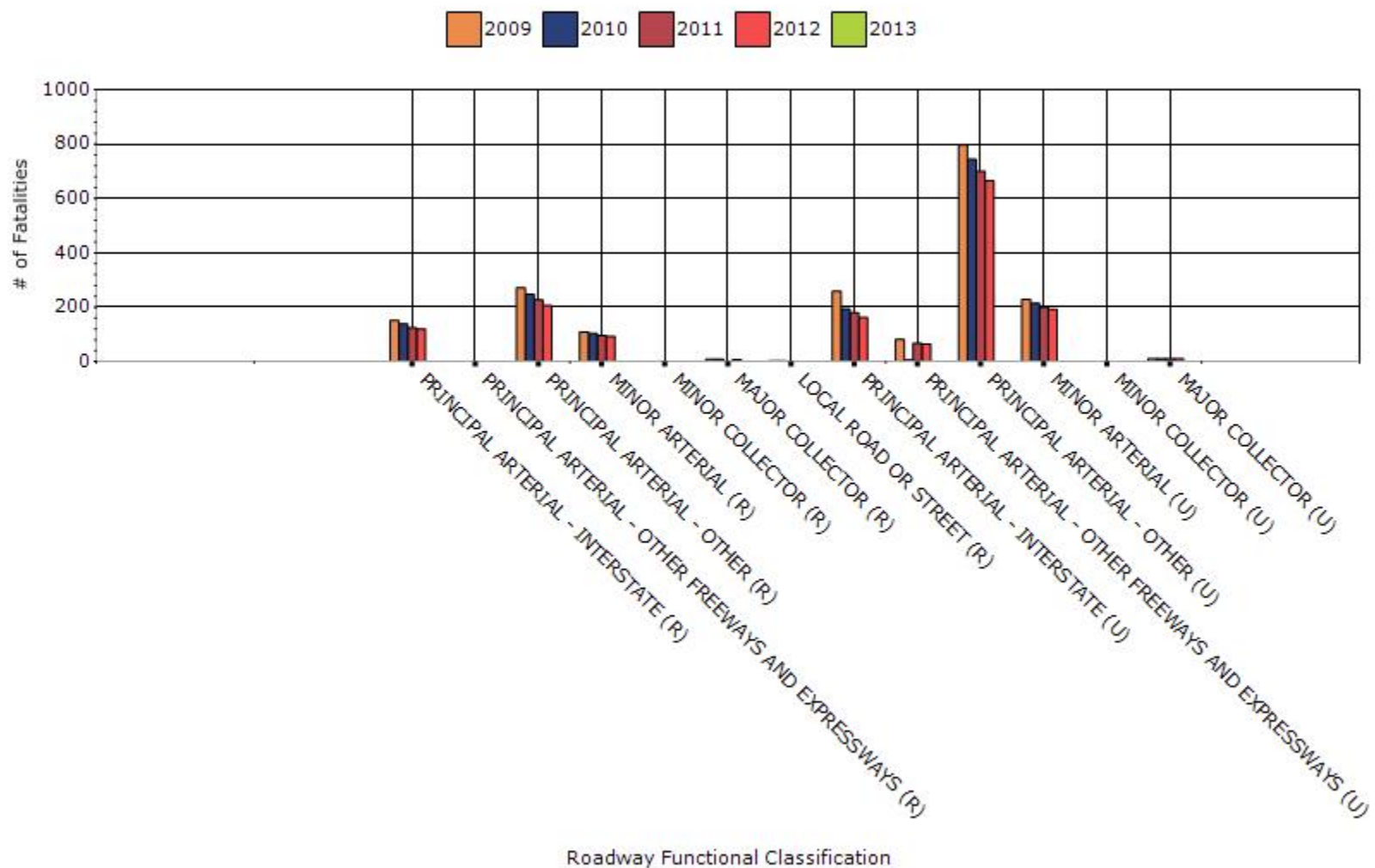
To the maximum extent possible, present performance measure* data by functional classification and ownership.

Year - 2012

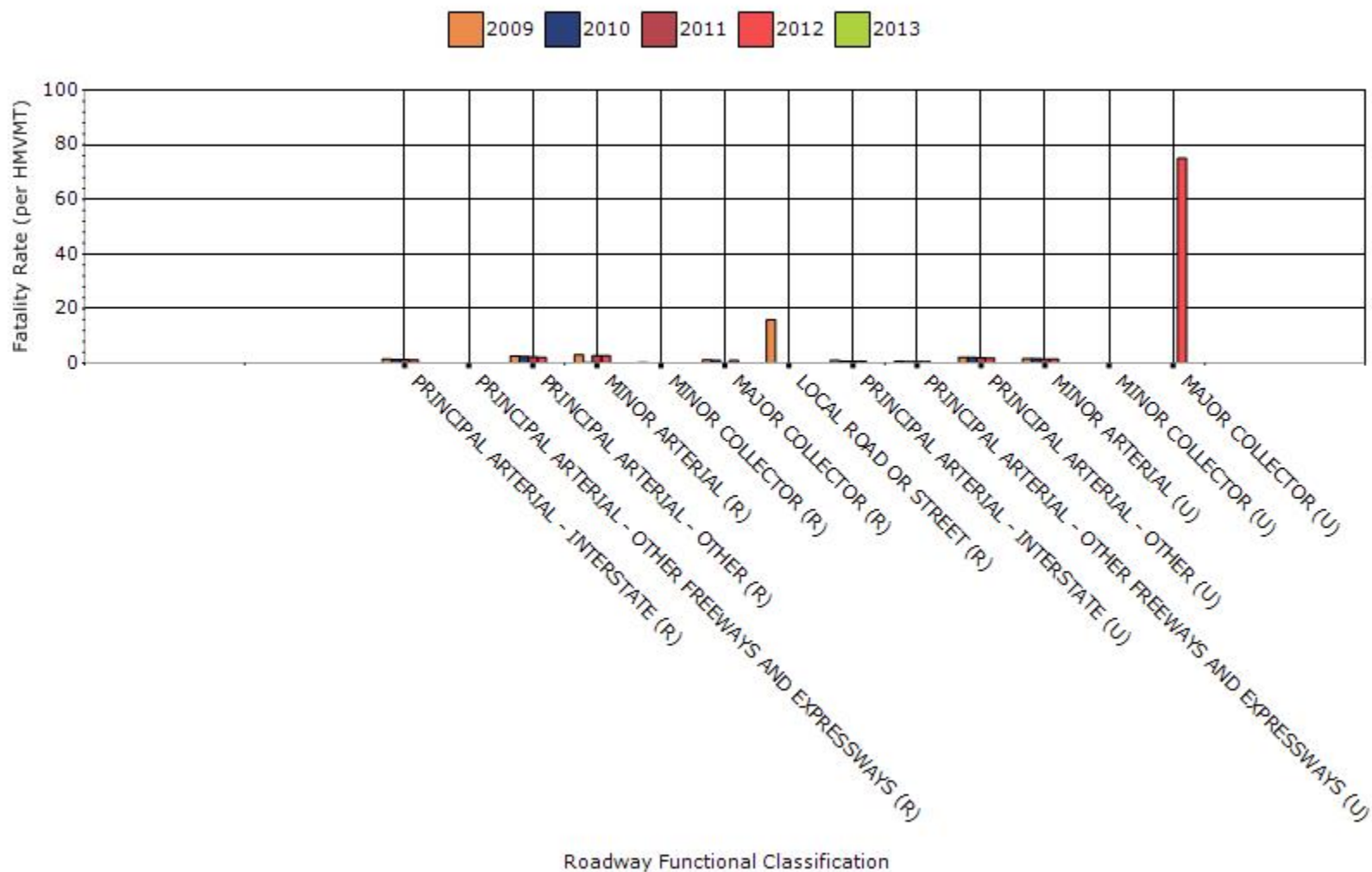
Function Classification	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)
RURAL PRINCIPAL ARTERIAL - INTERSTATE	120	575	1.25	5.99
RURAL PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXPRESSWAYS	0	0	0	0
RURAL PRINCIPAL ARTERIAL - OTHER	206	1025	2.07	10.29
RURAL MINOR ARTERIAL	93	466	2.78	13.9
RURAL MINOR COLLECTOR	0	0	0	0
RURAL MAJOR COLLECTOR	7	52	0.95	6.78
RURAL LOCAL ROAD OR STREET	0	0	0	0
URBAN PRINCIPAL	162	1439	0.64	5.7

ARTERIAL - INTERSTATE				
URBAN PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXPRESSWAYS	64	510	0.54	4.27
URBAN PRINCIPAL ARTERIAL - OTHER	665	5802	1.88	16.4
URBAN MINOR ARTERIAL	192	1743	1.47	13.35
URBAN MINOR COLLECTOR	0	0	0	0
URBAN MAJOR COLLECTOR	11	0	75	0

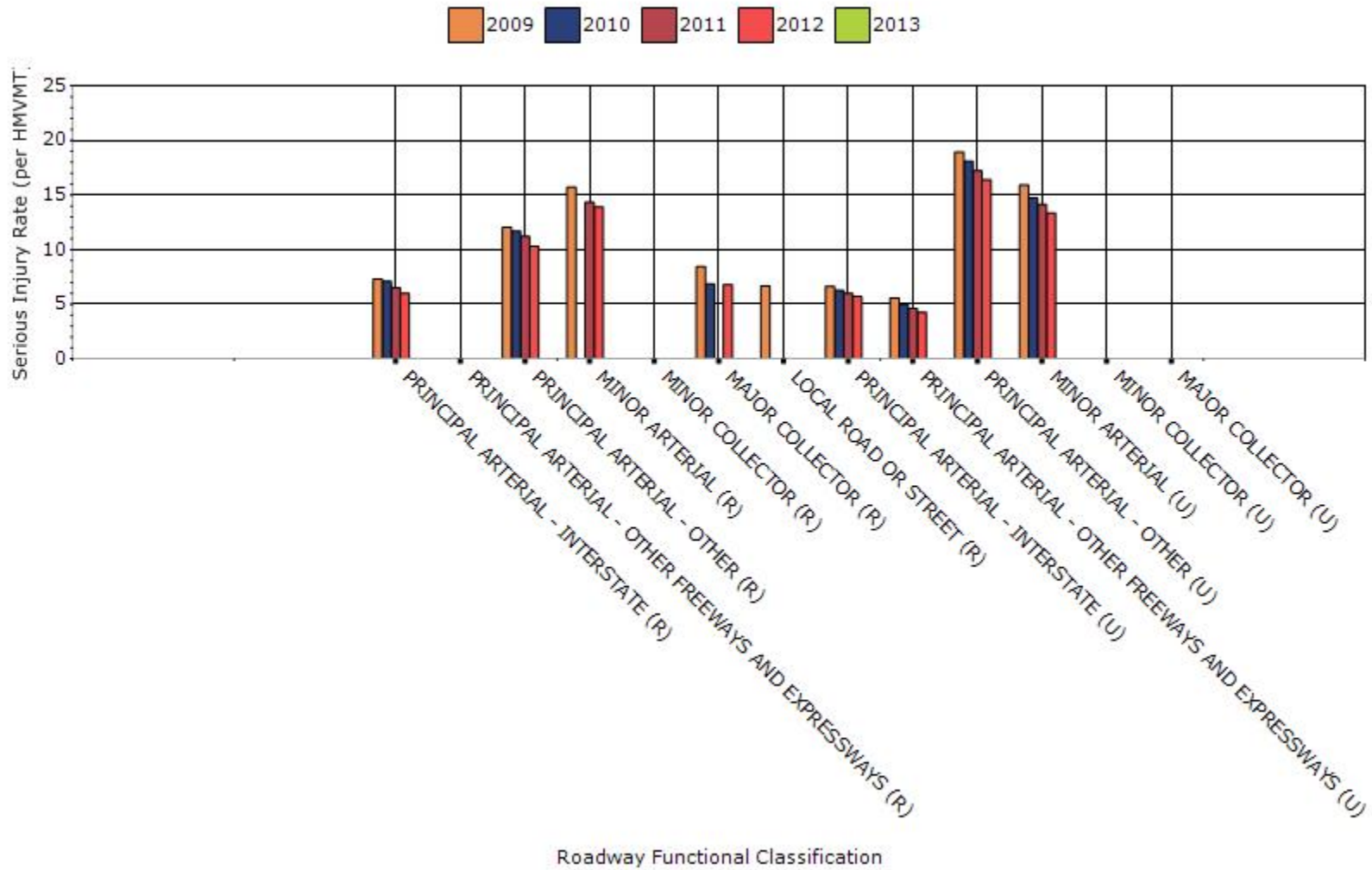
Fatalities by Roadway Functional Classification



Fatality Rate by Roadway Functional Classification



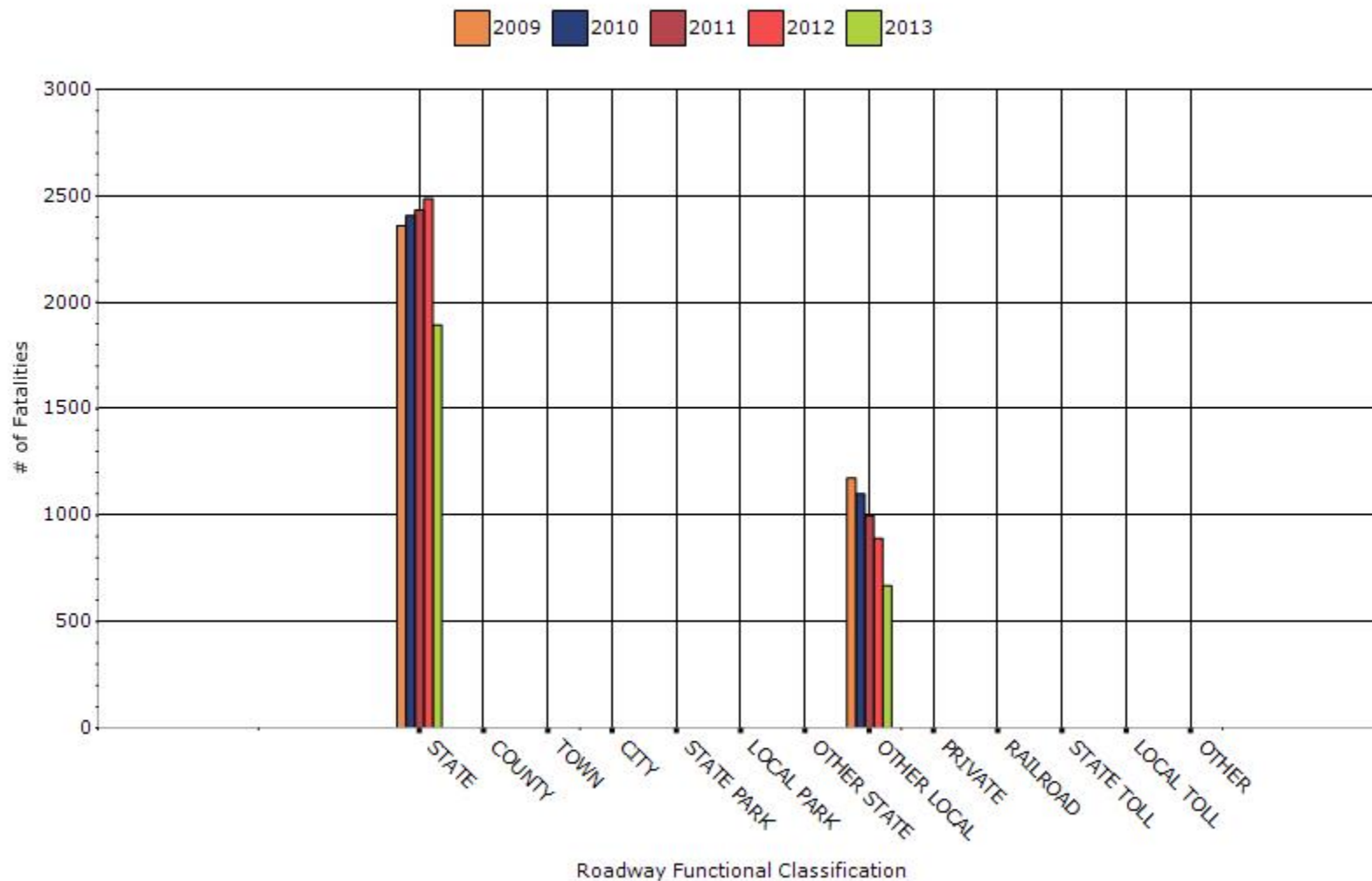
Serious Injury Rate by Roadway Functional Classification



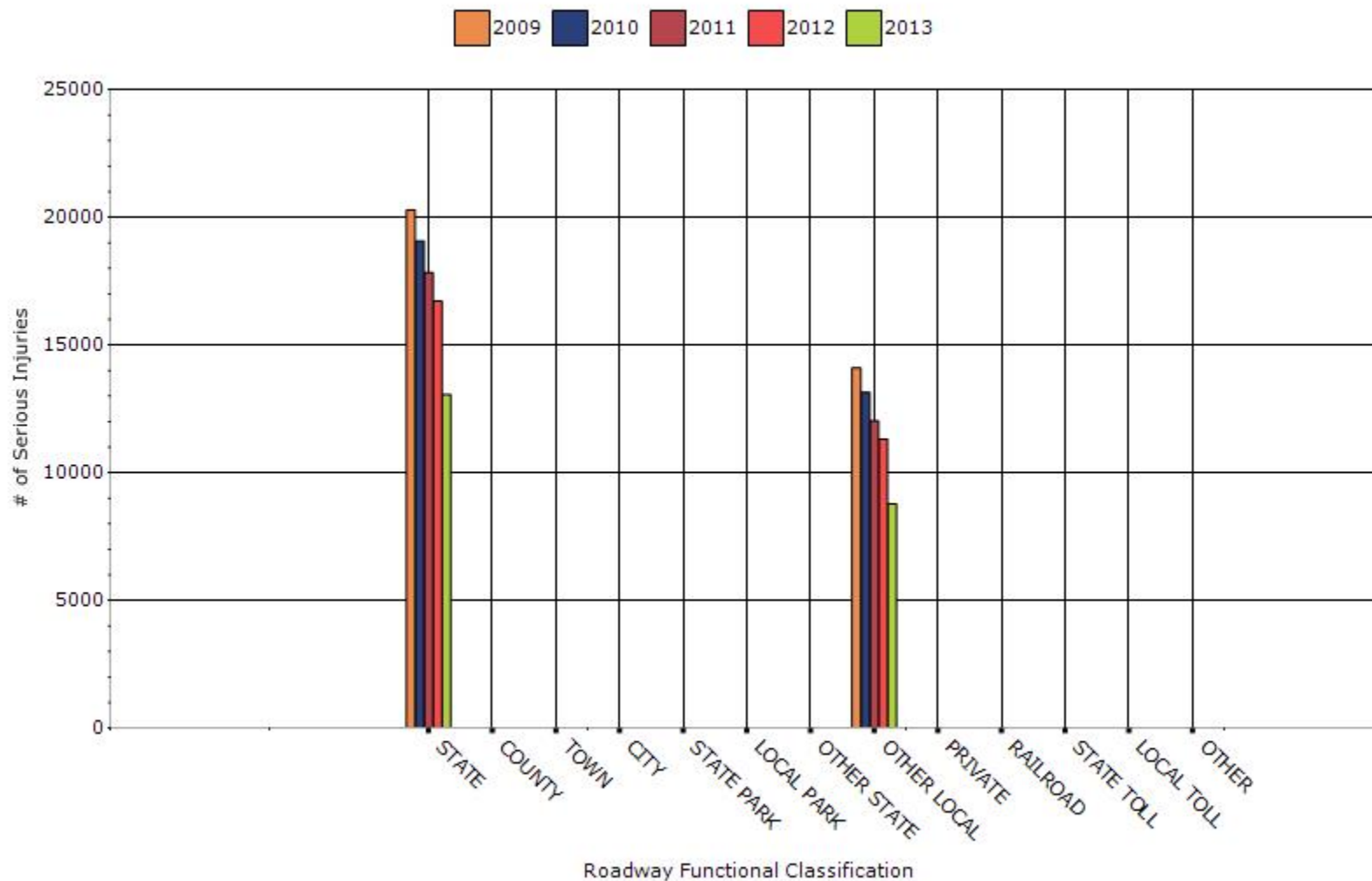
Year - 2013

Roadway Ownership	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)
0	1893.6	13064.8	1.15	12.51
COUNTY HIGHWAY AGENCY	0	0	0	0
TOWN OR TOWNSHIP HIGHWAY AGENCY	0	0	0	0
CITY OF MUNICIPAL HIGHWAY AGENCY	0	0	0	0
STATE PARK, FOREST, OR RESERVATION AGENCY	0	0	0	0
LOCAL PARK, FOREST OR RESERVATION AGENCY	0	0	0	0
OTHER STATE AGENCY	0	0	0	0
0	668.8	8779.6	0.75	9.82
PRIVATE (OTHER THAN RAILROAD)	0	0	0	0
RAILROAD	0	0	0	0
STATE TOLL AUTHORITY	0	0	0	0
LOCAL TOLL AUTHORITY	0	0	0	0
OTHER PUBLIC INSTRUMENTALITY (E.G. AIRPORT, SCHOOL, UNIVERSITY)	0	0	0	0

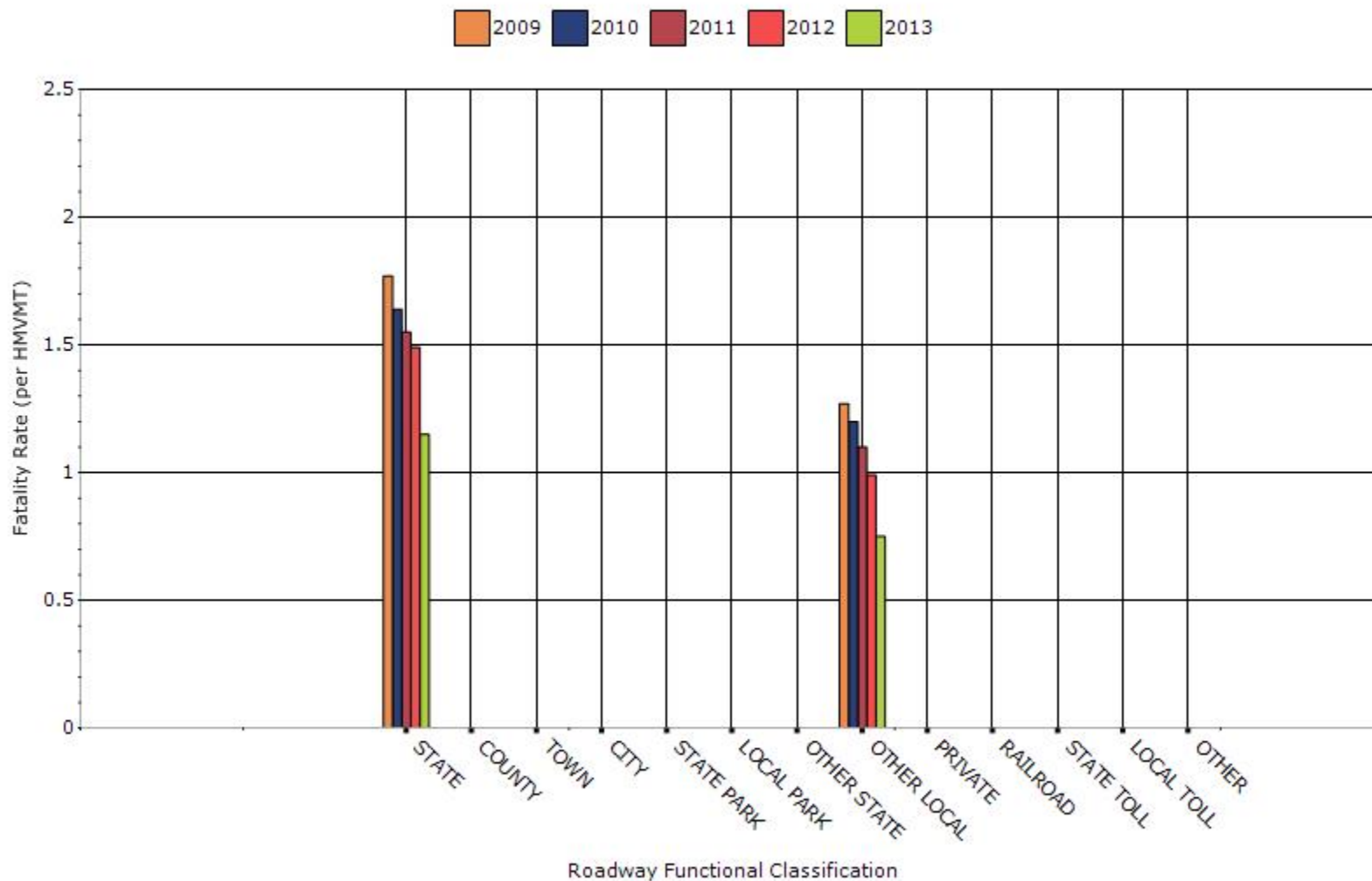
Number of Fatalities by Roadway Ownership



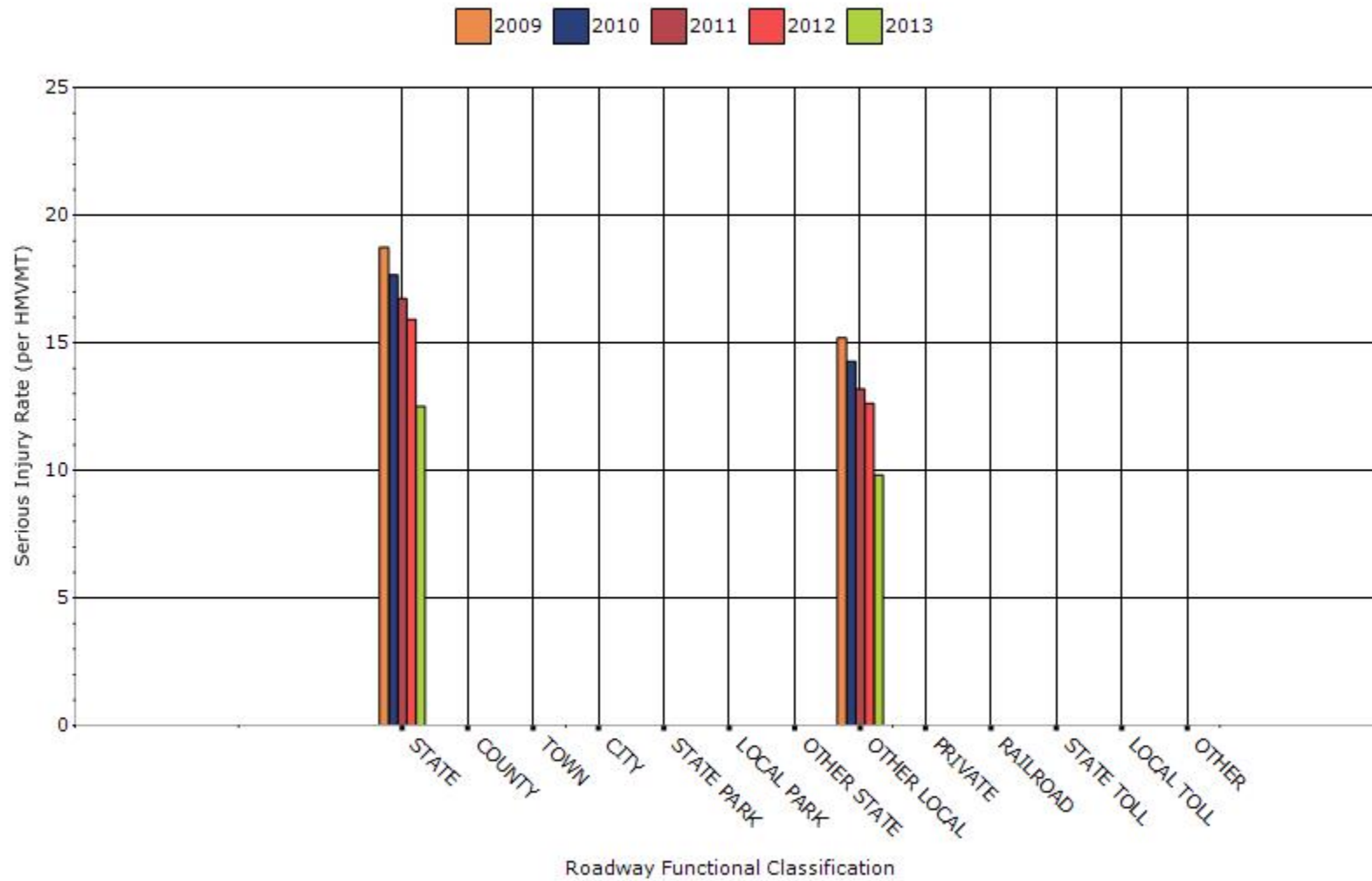
Number of Serious Injuries by Roadway Ownership



Fatality Rate by Roadway Ownership



Serious Injury Rate by Roadway Ownership



Describe any other aspects of the general highway safety trends on which you would like to elaborate.

Florida is capturing crash data through Traffic Crash Reports used by Law Enforcement; however, Florida faces a challenge with capturing some trends and data elements on local roads to include functional classification and traffic volumes. To address these challenges of safety on local roads, FDOT is working through the Traffic Records Coordinating Committee with 300 plus local agencies throughout the state that also includes law enforcement and health care/emergency agencies. Key goals are to integrate data systems across agencies, and promote the timeliness, accurateness, completeness, and uniformity of the elements.

Additional Notes: 1. Low Cost values for projects listed on the General Listing of Projects are attributed to pre-construction, construction-complete, or line-item-complete activities. 2. Reporting on the performance of the Lane Departure SHSP Emphasis Area only includes three years of crash data (2008, 2009 and 2010) due to changes in the traffic crash report form which were implemented in 2011. Subsequent year reports will include additional data on this emphasis area once it is available. 3. The performance data for Lane Departure is being used for the Segments sub-program.

Application of Special Rules

Present the rate of traffic fatalities and serious injuries per capita for drivers and pedestrians over the age of 65.

Older Driver	2009	2010	2011	2012	2013
Performance Measures					
Fatality rate (per capita)	2.17	2.08	2.08	2.04	0
Serious injury rate (per capita)	11.02	10.57	10.18	10.64	0
Fatality and serious injury rate (per capita)	13.19	12.65	12.26	12.68	0

*Performance measure data is presented using a five-year rolling average.

Calculation/Methods of deriving at the values entered for Fatality and serious injury rate (per capita):

Calculation/Methods Rate of **Fatal (F) and Serious Injuries (SI) per capita for crashes involving Drivers 65 years of age and older** for year 2008, 2009, 2010, 2011 and 2012. (2013 data was not available at the reporting time)

Fatal, Serious Injury, and Fatal and Serious Injury Rate (2012 shown as an example. Same process used for all years)

References:

Fatals – NHTSA FARS (Query Parameters Age less than 65, Injury Severity = 4, Person Type 1 or 5);

Serious Injuries - Florida Department of Transportation;

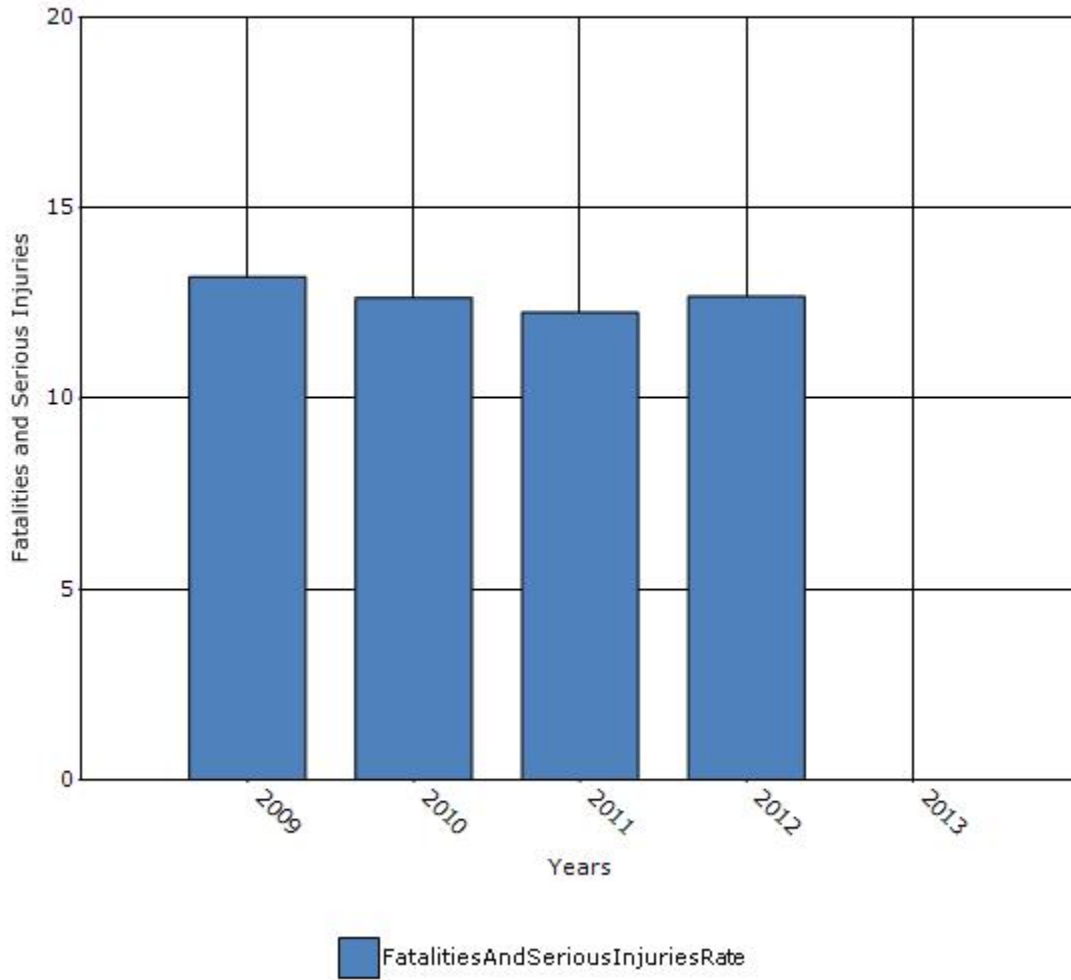
Population Figures - <http://www.fhwa.dot.gov/map21/guidance/guideolder.cfm>

2012

$(F+SI \text{ 2008 Drivers and Pedestrians 65 years of age and older}/2008 \text{ Population Figure}^*) + (F+SI \text{ 2009 Drivers and Pedestrians 65 years of age and older}/2009 \text{ Population Figure}) + (F+SI \text{ 2010 Drivers and Pedestrians 65 years of age and older}/2010 \text{ Population Figure}) + (F+SI \text{ 2011 Drivers and Pedestrians 65 years of age and older}/2011 \text{ Population Figure}) + (F+SI \text{ 2012 Drivers and Pedestrians 65 years of age and older}/2012 \text{ Population Figure}) / 5$

Values Used Year	Count of Seriously Injured Drivers and Pedestrians (SI)	Count of Fatally Injured Drivers and Pedestrians (F)	combined F and SI	Population Figure
2005	2019	426	2445	166
2006	2003	385	2388	168
2007	1745	353	2098	170
2008	1775	336	2111	174
2009	1827	340	2167	173
2010	1725	371	2096	174
2011	1758	339	2097	176
2012	2279	344	2623	182

Rate of Fatalities and Serious injuries for the Last Five Years



Does the older driver special rule apply to your state?

No

Assessment of the Effectiveness of the Improvements (Program

What indicators of success can you use to demonstrate effectiveness and success in the Highway Safety Improvement Program?

None

Benefit/cost

Policy change

Other: Other-The assessment of the HSIP is made on meeting the goals of the SHSP which is a 5% annual reduction in the 5 year rolling average of fatalities and serious injuries.

What significant programmatic changes have occurred since the last reporting period?

Shift Focus to Fatalities and Serious Injuries

Include Local Roads in Highway Safety Improvement Program

Organizational Changes

None

Other:

Briefly describe significant program changes that have occurred since the last reporting period.

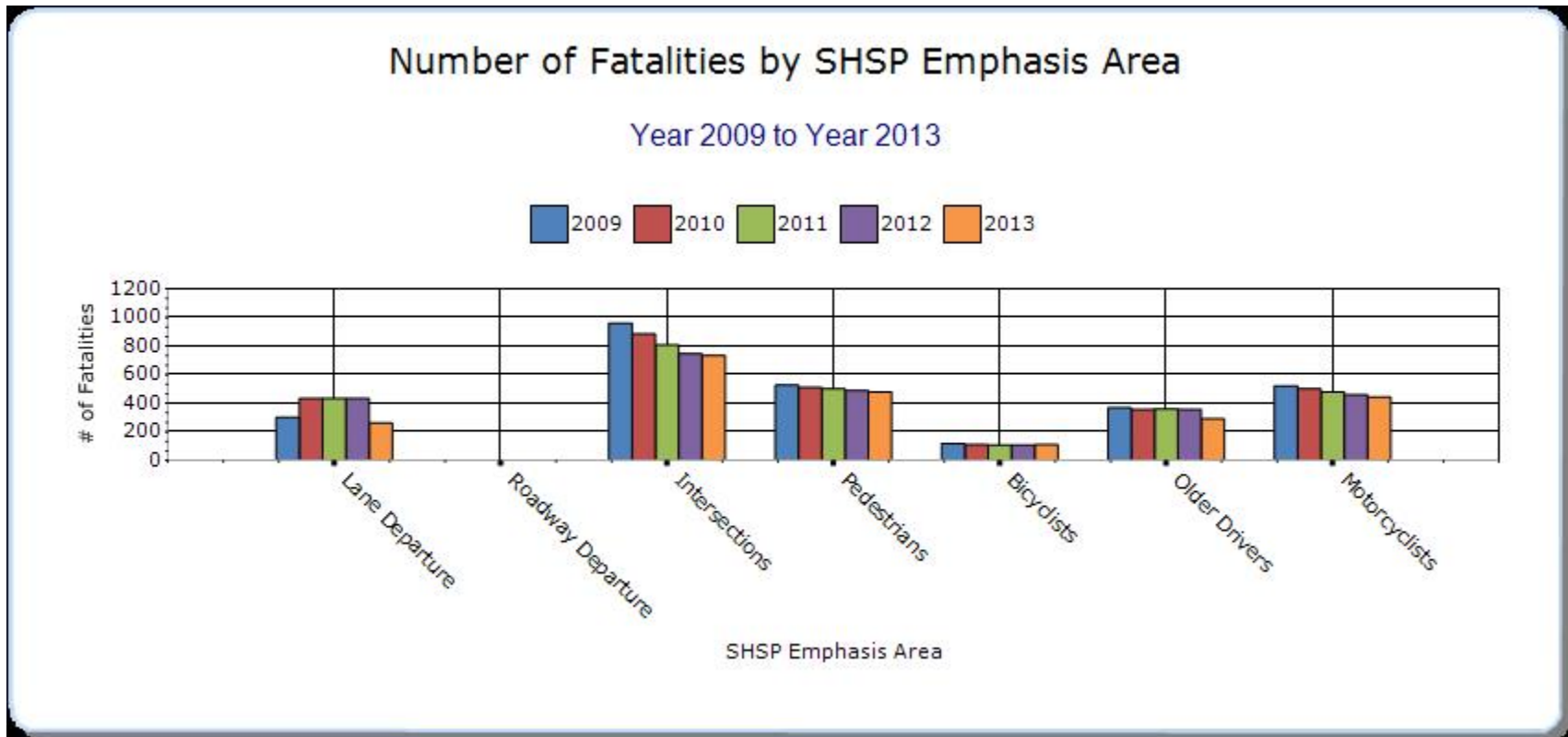
None during this reporting period.

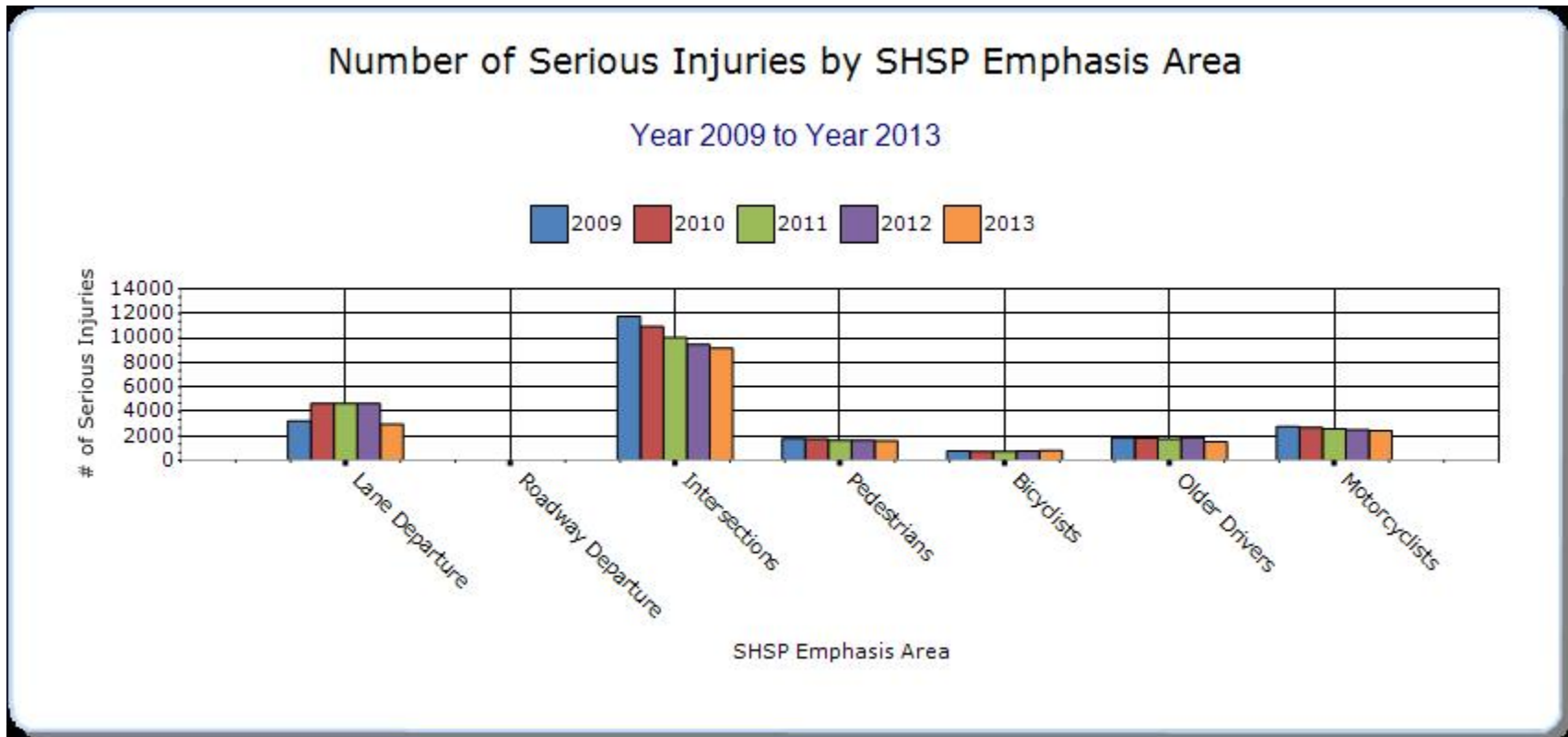
SHSP Emphasis Areas

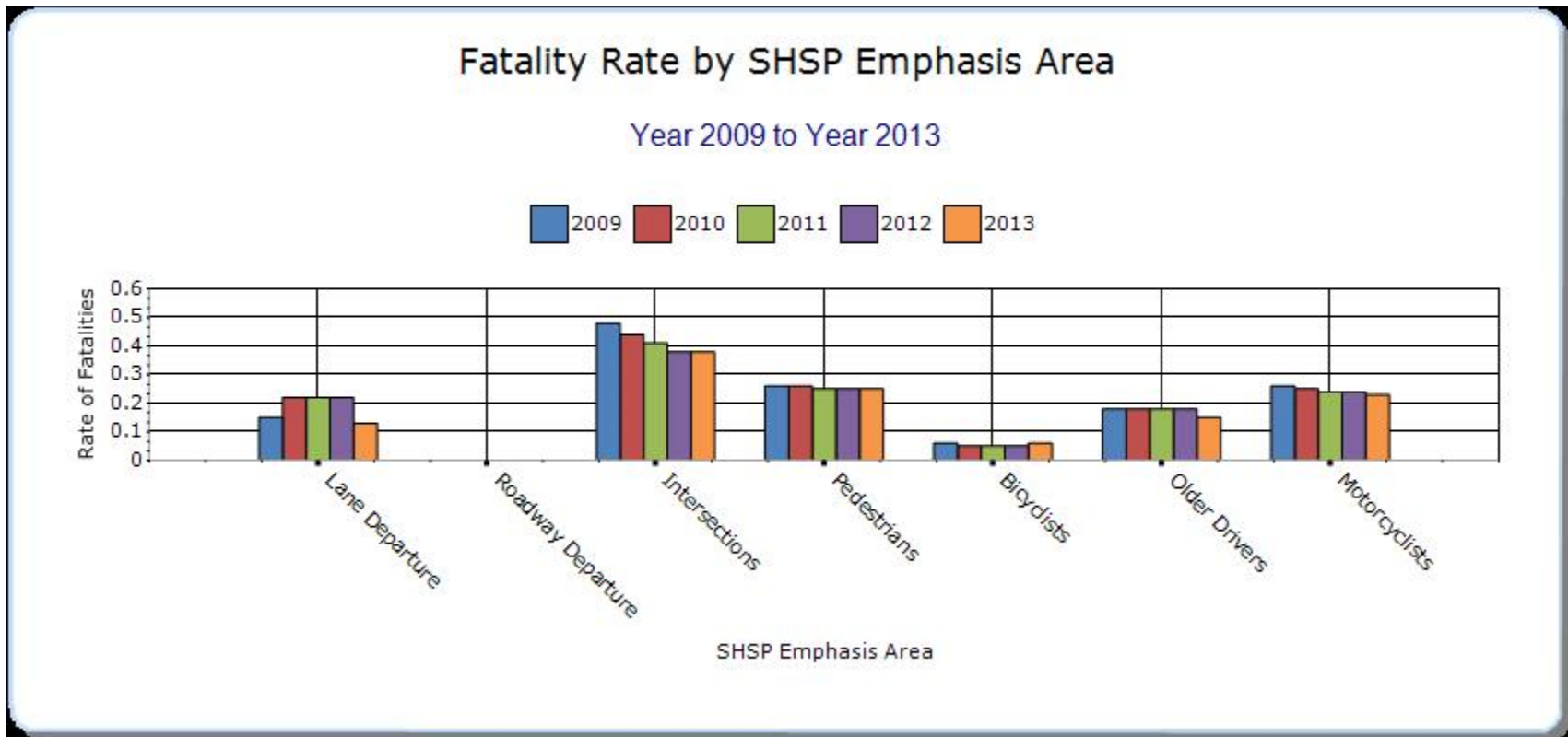
For each SHSP emphasis area that relates to the HSIP, present trends in emphasis area performance measures.

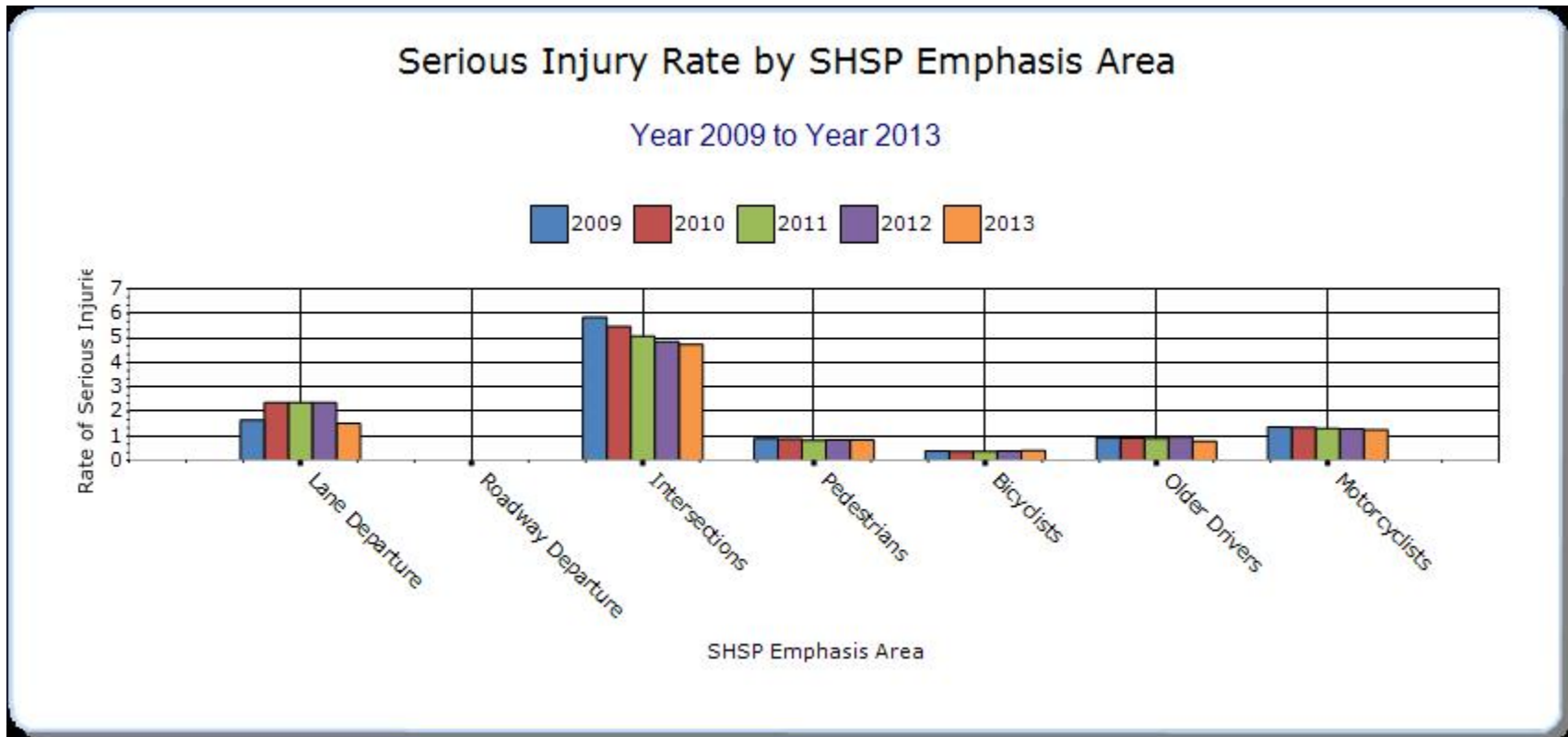
Year - 2013

HSIP-related SHSP Emphasis Areas	Target Crash Type	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)	Other-1	Other-2	Other-3
Lane Departure		261.6	2961.4	0.13	1.51	0	0	0
Intersections	All	733.6	9178.6	0.38	4.74	0	0	0
Pedestrians	All	479.2	1607	0.25	0.83	0	0	0
Bicyclists	All	110	797.4	0.06	0.41	0	0	0
Older Drivers	All	290.8	1517.8	0.15	0.78	0	0	0
Motorcyclists	All	443.2	2431.6	0.23	1.26	0	0	0
Impaired Driving	All	746	2348	0.38	1.21	0	0	0
Teen Drivers	All	342	2891	0.18	1.49	0	0	0







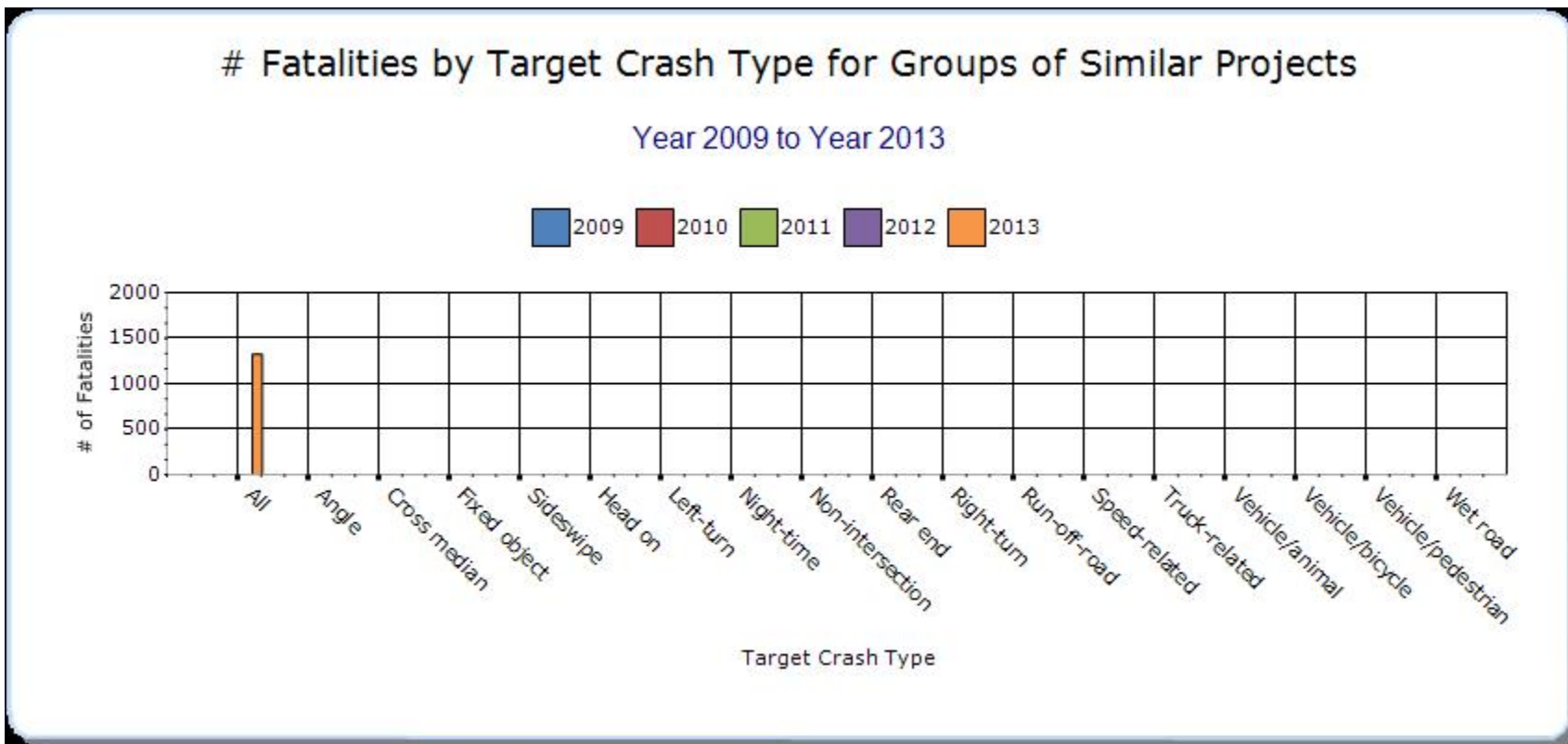


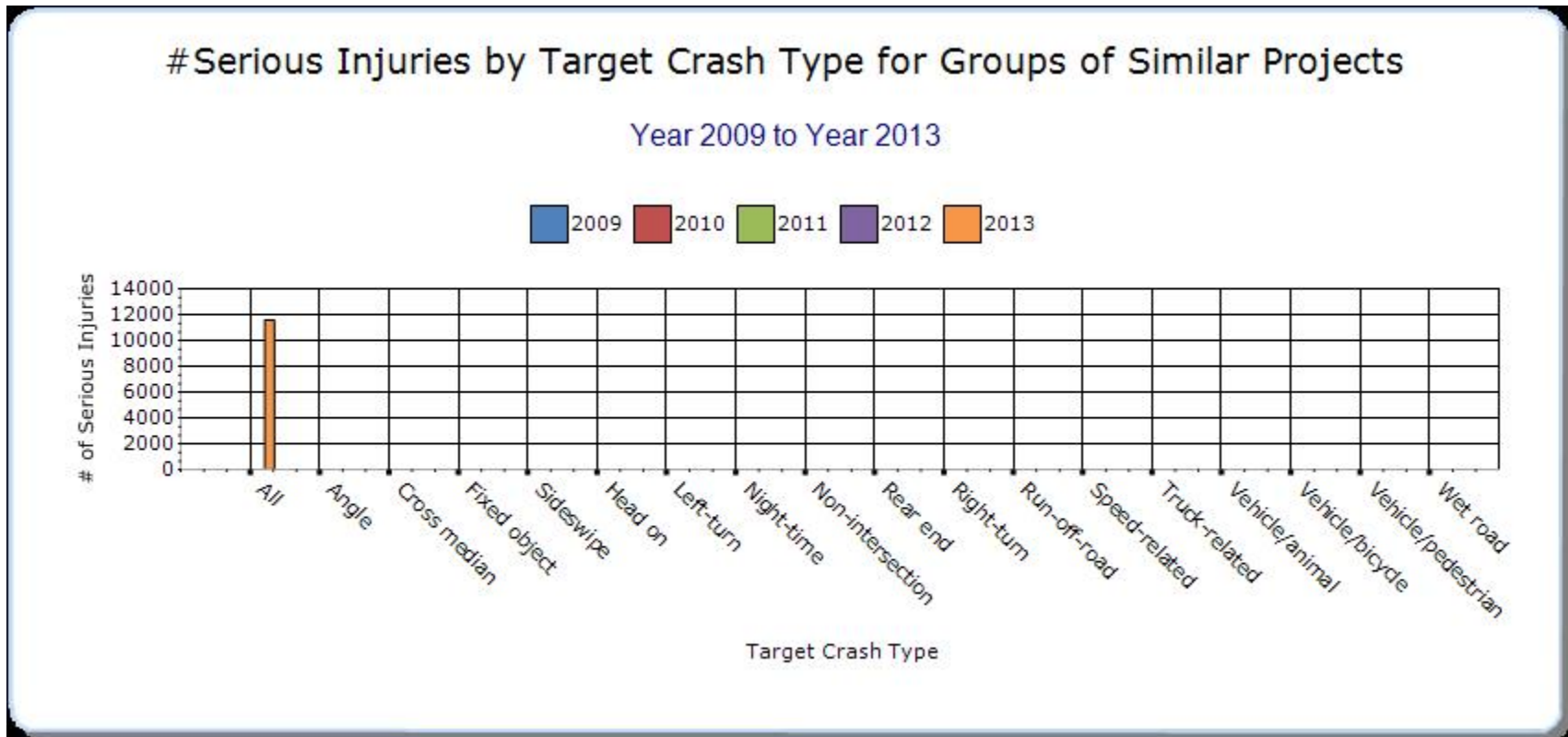
Groups of similar project types

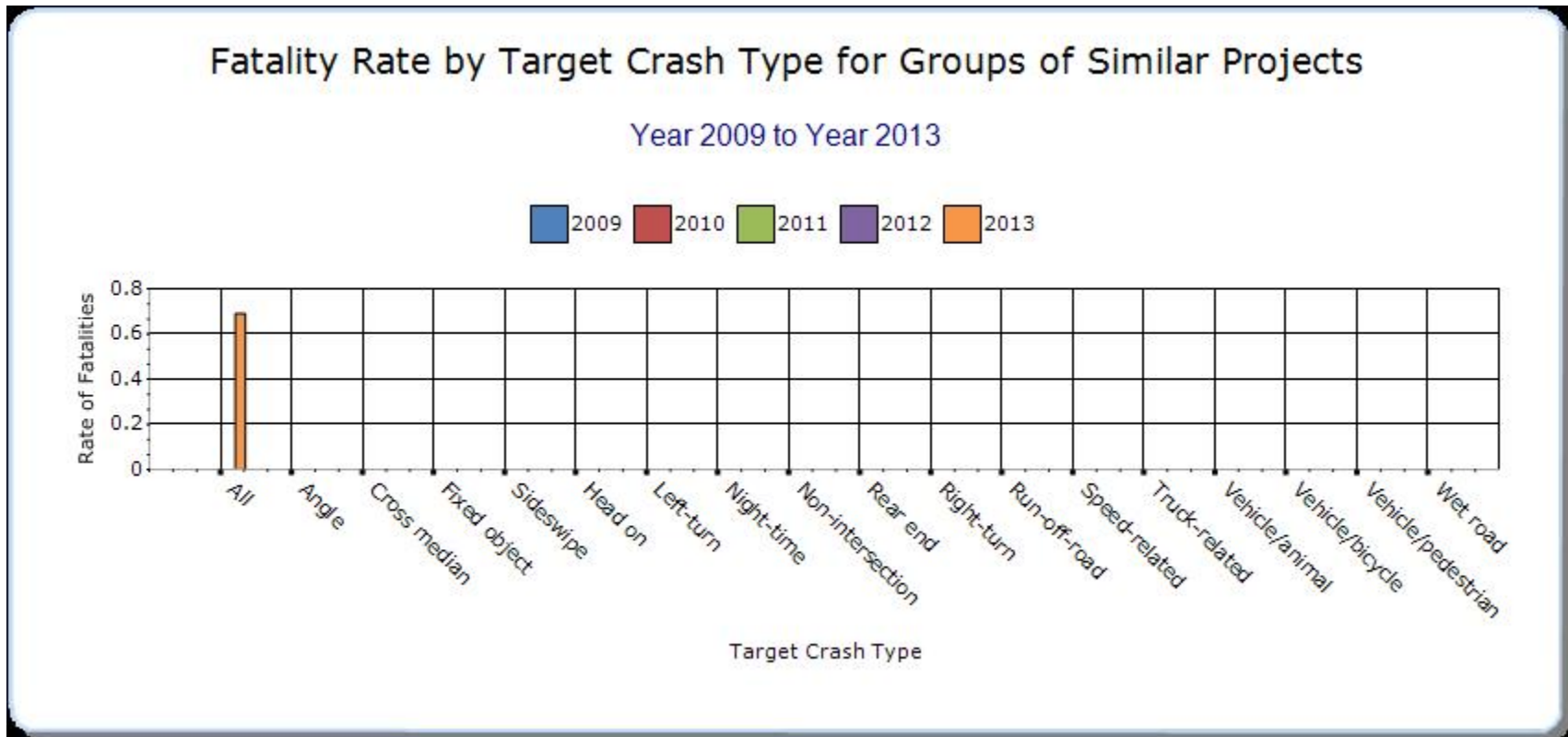
Present the overall effectiveness of groups of similar types of projects.

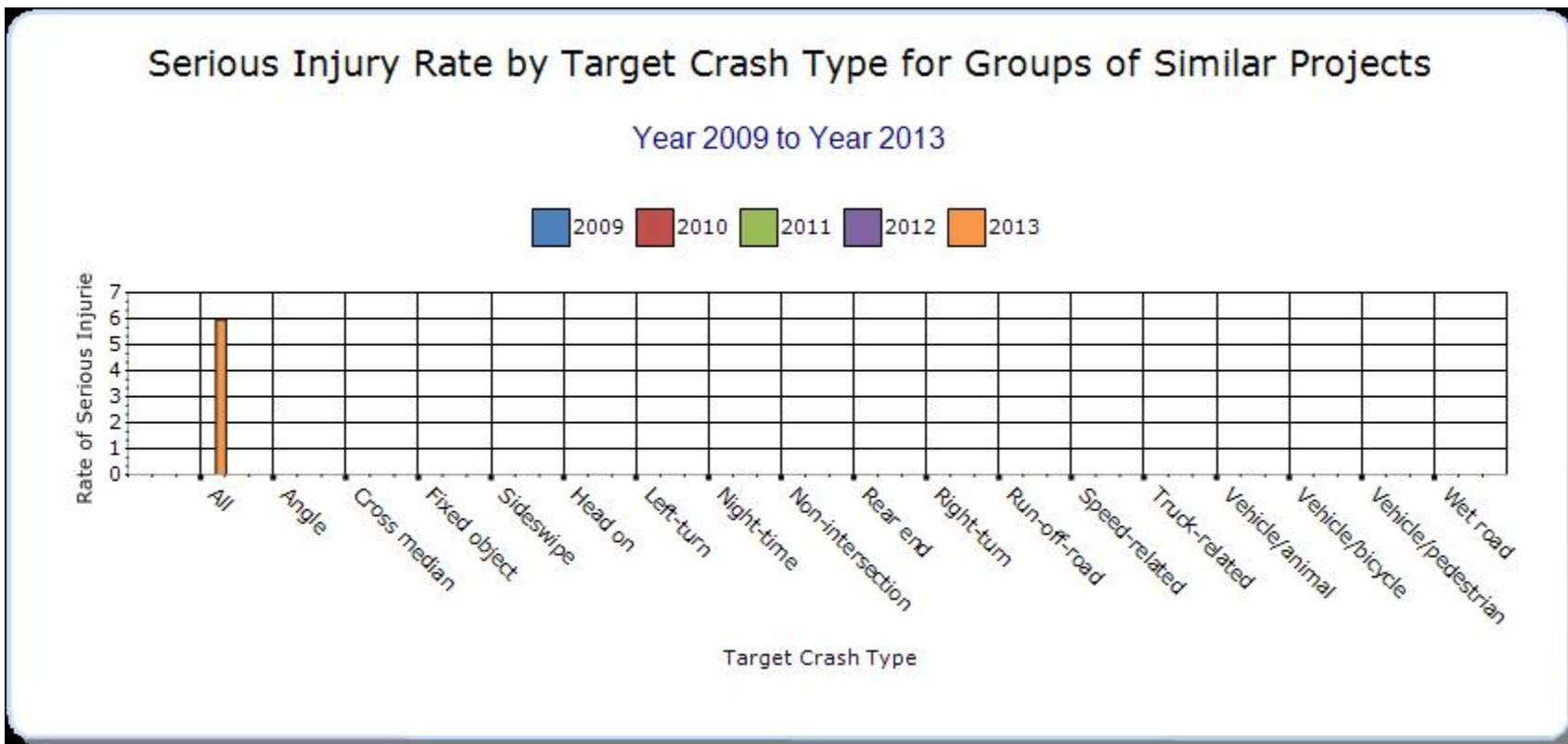
Year - 2013

HSIP Sub-program Types	Target Crash Type	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)	Other-1	Other-2	Other-3
Bicycle Safety	All	110	797	0.06	0.41	0	0	0
Intersection	All	735	9179	0.38	4.74	0	0	0
Pedestrian Safety	All	479	1607	0.25	0.83	0	0	0
Segments		261.6	2961.4	0.13	1.51	0	0	0





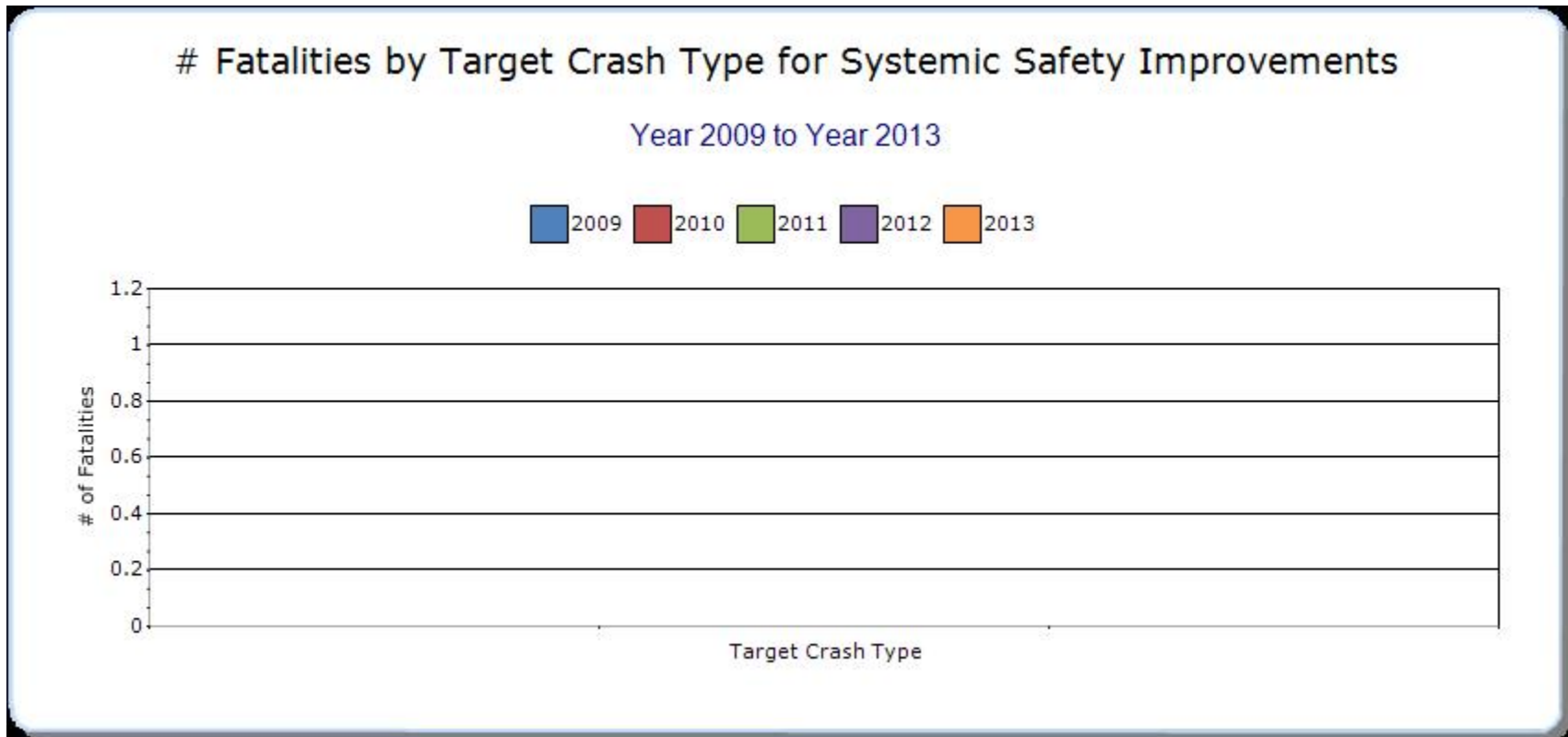


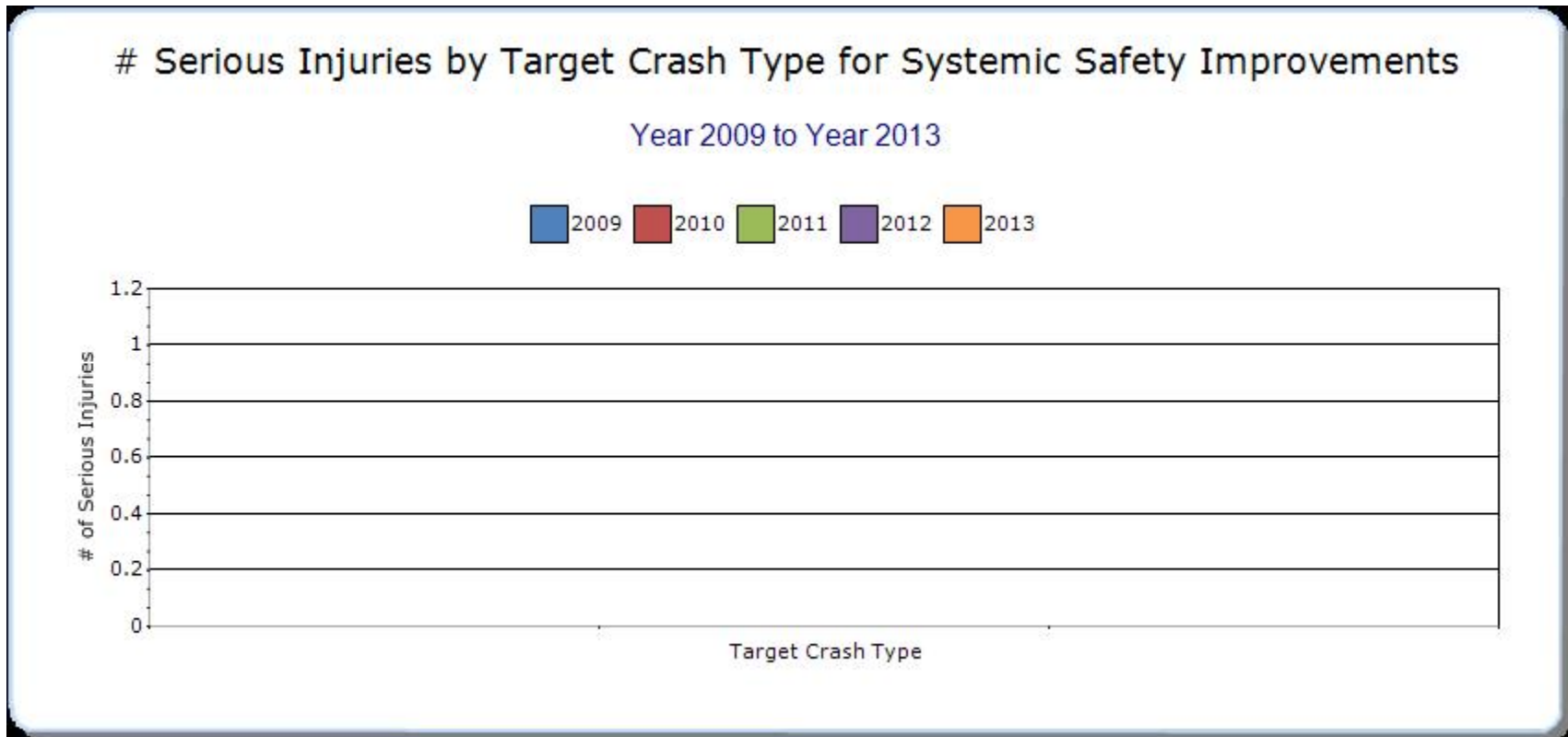


Systemic Treatments

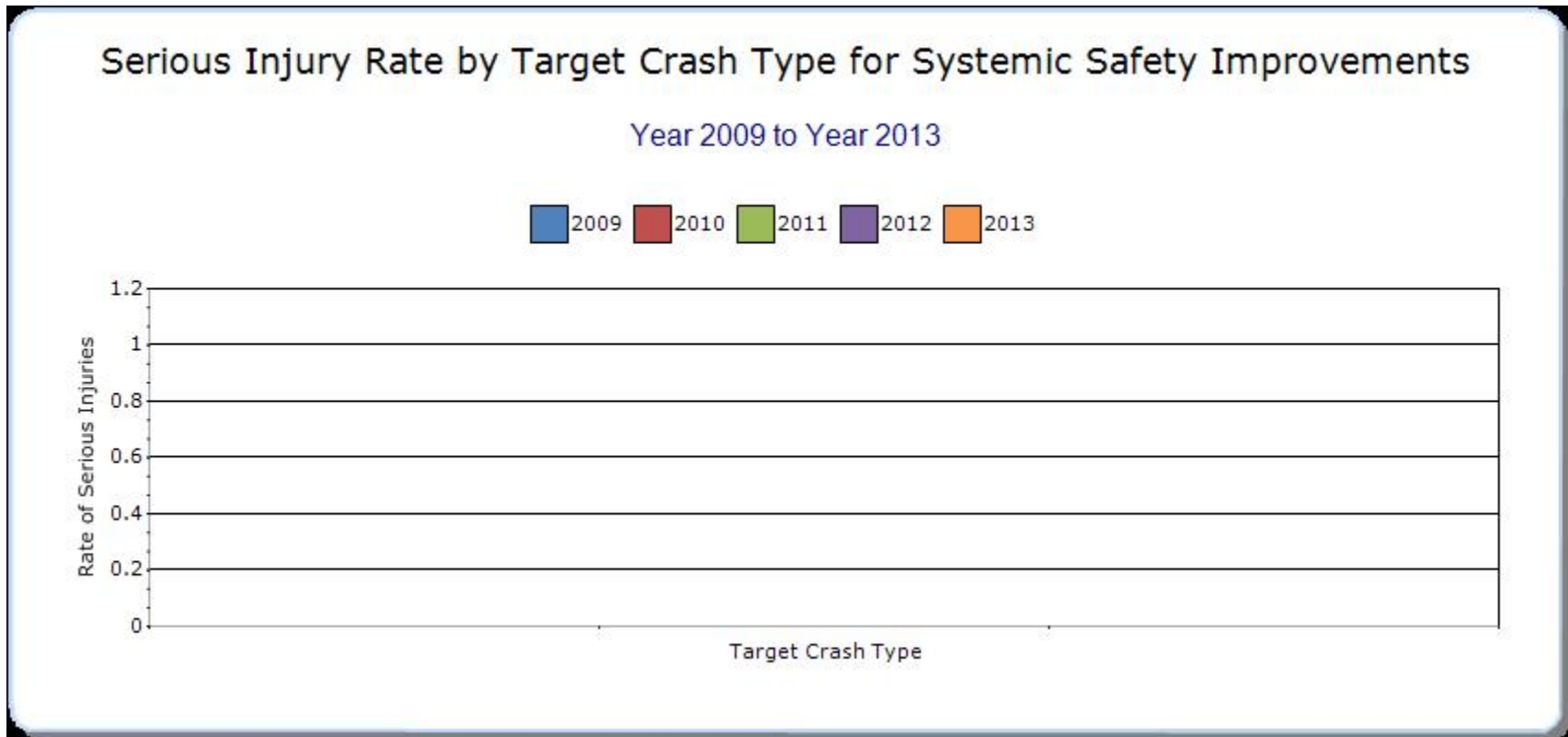
Present the overall effectiveness of systemic treatments.

Systemic improvement	Target Crash Type	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)	Other-1	Other-2	Other-3









Describe any other aspects of the overall Highway Safety Improvement Program effectiveness on which you would like to elaborate.

Florida's HSIP for 2013 was effectively carried out, and the projects implemented achieved positive results. There was an average reduction of 118 fatalities, and 1,232 serious injuries annually (based on a five year rolling average starting in 2006 and ending in 2013). Also based on the same methodology, there was an average reduction of 0.38 fatalities, and 2.76 serious injuries per hundred-million vehicle miles traveled annually. Additionally, in 2013 the following SHSP Emphasis Areas had reductions based on the five year rolling average:

Emphasis	Fatalities	Serious Injuries
Statewide	25%	29%
Intersection Crashes	17%	16%
Vulnerable Road Users - Pedestrian	4%	7%
Vulnerable Road Users - Motorcycle	10%	10%
At Risk Drivers - Teens (15 - 19)	36%	31%
At Risk Drivers - Aging (65 and Up)	7%	4%
Impaired Driving	26%	15%

The Department will continue its efforts to exceed its effectiveness and achievements by continuing to work toward reducing the number of fatalities and serious injuries on Florida's roads.

Provide project evaluation data for completed projects (optional).

Location	Functional Class	Improvement Category	Improvement Type	Bef-Fatal	Bef-Serious Injury	Bef-Other Injury	Bef-PDO	Bef-Total	Aft-Fatal	Aft-Serious Injury	Aft-Other Injury	Aft-PDO	Aft-Total	Evaluation Results (Benefit/Cost Ratio)
Segment	Rural Major Collector	Roadway	Rumble strips - unspecified or other	0	2	3	6	11	1	3	1	3	8	
Segment	Urban Minor Arterial	Roadway	Pavement surface - miscellaneous	0	3	15	16	34	0	2	11	11	24	
Segment	Rural Principal Arterial - Other Freeways and Expressways	Roadway	Pavement surface - miscellaneous	1	1	2	1	5	0	1	2	2	5	
Intersection	Rural Minor Arterial	Intersection geometry	Intersection geometry - other	1	4	8	11	24	0	3	1	7	11	
Intersection	Rural Minor	Pedestrians	Install sidewalk	0	1	1	5	7	0	1	0	3	4	

	Arterial	and bicyclists												
Segment	Urban Principal Arterial - Interstate	Interchange design	Interchange design - other	1	0	6	8	15	0	0	6	3	9	
Intersection	Urban Minor Arterial	Intersection traffic control	Modify traffic signal - modify signal mounting (spanwire to mast arm)	0	0	1	0	1	0	0	0	0	0	
Segment	Urban Principal Arterial - Other	Roadway	Roadway - other	3	7	32	22	64	3	6	24	24	57	
Segment	Urban Principal Arterial - Other	Roadway	Roadway - other	0	30	273	386	689	0	37	193	143	373	
Segment	Urban Major Collector	Shoulder treatments	Pave existing shoulders	0	6	7	11	24	0	1	6	5	12	
Intersection	Urban Principal Arterial - Other	Intersection geometry	Auxiliary lanes - add left-turn lane	0	0	6	3	9	0	0	2	1	3	

Segment	Rural Principal Arterial - Other	Roadway	Roadway - other	1	5	7	4	17	1	4	7	5	17	
Segment	Urban Principal Arterial - Other	Roadway	Pavement surface - miscellaneous	0	12	50	73	135	1	7	57	72	137	
Segment	Urban Principal Arterial - Other	Pedestrians and bicyclists	Miscellaneous pedestrians and bicyclists	1	5	83	82	171	0	10	65	240	315	
Segment	Urban Principal Arterial - Other	Pedestrians and bicyclists	Miscellaneous pedestrians and bicyclists	1	4	37	199	241	0	2	39	190	231	
Segment	Urban Minor Arterial	Pedestrians and bicyclists	Miscellaneous pedestrians and bicyclists	1	9	105	527	642	0	15	68	414	497	
Segment	Urban Local Road or Street	Roadway	Rumble strips - unspecified or other	1	13	12	26	52	3	3	17	18	41	
Intersection	Urban Local Road or	Intersection traffic control	Modify traffic signal - modify signal mounting	0	1	4	4	9	0	0	1	0	1	

	Street		(spanwire to mast arm)											
Segment	Rural Principal Arterial - Interstate	Roadside	Barrier- metal	3	8	22	69	102	3	12	22	36	73	
Segment	Urban Minor Arterial	Roadway	Pavement surface - miscellaneous	1	10	36	56	103	1	7	23	32	63	
Segment	Rural Principal Arterial - Other	Roadside	Barrier- metal	1	1	3	2	7	0	1	1	2	4	
Segment	Urban Local Road or Street	Roadway	Rumble strips - unspecified or other	2	3	14	17	36	0	3	10	4	17	
Segment	Urban Local Road or Street	Roadway	Rumble strips - unspecified or other	4	14	25	32	75	0	0	0	0	0	
Segment	Urban Minor Arterial	Roadway	Pavement surface - miscellaneous	0	3	29	44	76	0	4	37	80	121	
Segment	Rural Minor Arterial	Roadside	Removal of roadside	4	20	41	29	94	4	17	44	19	84	

			objects (trees, poles, etc.)											
Segment	Urban Principal Arterial - Other	Pedestrians and bicyclists	Install sidewalk	0	0	19	20	39	0	2	13	10	25	
Segment	Rural Principal Arterial - Other Freeways and Expressways	Roadway delineation	Roadway delineation - other	2	14	83	44	143	0	5	59	44	108	
Segment	Rural Principal Arterial - Interstate	Roadside	Barrier- metal	3	7	17	28	55	0	6	23	30	59	
Segment	Urban Principal Arterial - Interstate	Roadside	Barrier- metal	4	16	36	30	86	3	7	25	37	72	
Segment	Urban Minor Arterial	Intersection geometry	Auxiliary lanes - add left-turn lane	0	5	20	28	53	0	0	19	20	39	

Segment	Urban Principal Arterial - Other	Roadway	Rumble strips - unspecified or other	0	10	33	39	82	2	1	25	27	55	
Segment	Rural Principal Arterial - Interstate	Roadside	Barrier- metal	1	6	18	19	44	1	3	17	20	41	
Intersection	Urban Minor Arterial	Pedestrians and bicyclists	Pedestrian signal	0	1	9	25	35	0	0	6	35	41	
Intersection	Urban Minor Arterial	Pedestrians and bicyclists	Pedestrian signal	0	0	3	7	10	0	0	6	3	9	
Intersection	Rural Major Collector	Pedestrians and bicyclists	Pedestrian signal	0	0	3	7	10	0	2	5	18	25	
Intersection	Urban Minor Arterial	Pedestrians and bicyclists	Pedestrian signal	0	2	14	7	23	0	0	6	3	9	
Segment	Rural Principal Arterial - Other Freeways and Expressways	Roadway	Rumble strips - unspecified or other	2	8	28	8	46	2	4	12	11	29	
Intersection	Urban	Intersection	Auxiliary lanes -	1	0	6	6	13	0	0	3	3	6	

	Principal Arterial - Other	geometry	add left-turn lane											
Intersection	Urban Principal Arterial - Other	Lighting	Intersection lighting	0	3	9	16	28	0	2	7	13	22	
Segment	Rural Principal Arterial - Interstate	Roadside	Barrier- metal	0	3	8	5	16	0	1	4	3	8	
Intersection	Urban Principal Arterial - Other	Access management	Change in access - close or restrict existing access	0	0	0	8	8	0	0	4	2	6	

Optional Attachments

Sections

Files Attached

Glossary

5 year rolling average means the average of five individual, 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.

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.