



Highway Safety Improvement Program
Data Driven Decisions

Florida
Highway Safety Improvement Program
2013 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 number of fatalities and serious injuries for Florida's SHSP Emphasis Areas.

Progress in Implementing HSIP Projects

Florida demonstrated progress by implementing a total of 213 HSIP projects for 2012. The implementation required \$89,537,480 in programmed HSIP funds.

Progress in Implementing HRRR Projects

Florida demonstrated progress by implementing a total of twelve (12) HRRR projects for 2012. The implementation required \$5,382,991 in programmed HRRR funds.

Program Effectiveness

Florida's Highway Safety Improvement Program for 2012 was effectively carried out, and the projects implemented achieved positive results. There was an average reduction of 183 fatalities, and 1,540 serious injuries annually (based on a five year rolling average starting in 2004 and ending in 2011). Also based on the same methodology, there was an average reduction of .08 fatalities, and .71 serious injuries per hundred-million vehicle miles traveled annually.

Additionally, the SHSP Emphasis Areas had the following 2011 reduction results based on a five year rolling average:

Emphasis	Fatalities	Serious Injuries
Statewide	7%	7%
Keep vehicles in the proper travel lane	22%	17%

At intersections or influenced by	5%	7%
Aggressive driving	43%	49%
Drivers aged 15-20	13%	13%
Safety belt and child restraint	12%	14%
Drivers aged 65 and older	6%	1%
Alcohol related	3%	6%
Pedestrians and bicyclists	2%	5%
Motorcyclists & passengers	5%	4%

The Department will continue its efforts to exceed its effectiveness and achievements by continuing the significant decline in 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.

High Crash segments and intersections are determined for local roads based on a minimum number of four crashes over a three year timeline; the locations are the priority projects and included in our high crash lists. Other local projects are addressed as needed through a coordination 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.

Special emphasis areas teams are formed based on the Strategic Highway Safety Plan (SHSP) structure. The teams are made up of key personnel within the department and from other agencies with attributes suited for the emphasis areas. The teams meet to develop goals, objectives and action items using the SHSP as the guiding principle.

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-Expansion of the SHSP Emphasis Areas and partners.

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.

- | | | |
|---|---|---|
| <input type="checkbox"/> Median Barrier | <input checked="" type="checkbox"/> Intersection | <input type="checkbox"/> Safe Corridor |
| <input type="checkbox"/> Horizontal Curve | <input type="checkbox"/> Bicycle Safety | <input type="checkbox"/> Rural State Highways |
| <input checked="" type="checkbox"/> Skid Hazard | <input checked="" type="checkbox"/> Crash Data | <input type="checkbox"/> Red Light Running Prevention |
| <input type="checkbox"/> Roadway Departure | <input type="checkbox"/> Low-Cost Spot Improvements | <input type="checkbox"/> Sign Replacement And Improvement |
| <input type="checkbox"/> Local Safety | <input checked="" type="checkbox"/> Pedestrian Safety | <input type="checkbox"/> Right Angle Crash |
| <input type="checkbox"/> Left Turn Crash | <input type="checkbox"/> Shoulder Improvement | <input checked="" type="checkbox"/> Segments |
| <input type="checkbox"/> 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 Cost Effectiveness A score is provided for each project that includes the following: B/C greater than 1, and High Crash Segment or Intersection List.

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
- Cost Effectiveness
- A score is provided for each project that includes the following: B/C greater than 1, and High Crash Segment or Intersection List.

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

27

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 checked="" type="checkbox"/> Pavement/Shoulder Widening |
| <input checked="" type="checkbox"/> Install/Improve Signing | <input checked="" type="checkbox"/> Install/Improve Pavement Marking and/or Delineation |
| <input checked="" type="checkbox"/> Upgrade Guard Rails | <input type="checkbox"/> Clear Zone Improvements |
| <input type="checkbox"/> Safety Edge | <input checked="" type="checkbox"/> Install/Improve Lighting |
| <input checked="" type="checkbox"/> Add/Upgrade/Modify/Remove Traffic Signal | <input checked="" type="checkbox"/> Other Other-Close median , offset lane and construct shoulders |
| <input checked="" type="checkbox"/> Other Other-Existing Crosswalk to High Emphasis Crosswalk | <input checked="" type="checkbox"/> Other Other-Offset left turn lanes |

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

Emphasis has been placed on increasing implementation of systemic improvements through the FDOT Districts. Currently, three of FDOT Districts use approximately 27% of the HSIP funds

on systemic improvements. Florida’s goal is to continue placing emphasis on systemic improvements to include involvement by all Districts.

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)	89537480	94 %	77529293	93 %
HRRRP (SAFETEA-LU)	5382991	6 %	5958361	7 %
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	94920471	100%	83487654	100%

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

\$7,020,442.00

How much funding is obligated to local safety projects?

\$9,209,200.00

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

\$1,043,306.00

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

\$1,052,494.00

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

period?

0 %

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

0 %

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

The plan is to continue efficiently tracking Federal HSIP apportionment, available and obligations values to assure effective and timely use of Federal HSIP funds. Most key, we will continue to streamline the programming process by using our web based tool CRASH (Crash Reduction Analysis System Hub) that standardizes and automates the project prioritization methodology for all the districts.

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
2505483	Roadway Pavement surface - miscellaneous	5.536 Miles	20000	20000	HSIP (Section 148)	Urban Minor Arterial	7200	30	State Highway Agency		
2096925	Intersection traffic control Systemic improvements - signal-controlled	0.584 Miles	6993	6993	HSIP (Section 148)	Urban Major Collector	6300	45	State Highway Agency		
2546772	Intersection traffic control Systemic improvements - signal-controlled	0 Miles	4673646	4673646	HSIP (Section 148)	State	0	0	State Highway Agency		
4112101	Intersection traffic control Systemic	0.319 Miles	11	11	HSIP (Section 148)	Rural Principal Arterial - Other	950	35	State Highway Agency		

	improvements - signal- controlled										
4239221	Intersection traffic control Systemic improvements - signal- controlled	0.917 Miles	4785131	4785131	HSIP (Section 148)	Urban Principal Arterial - Interstate	112000	45	State Highway Agency		
4245301	Intersection traffic control Systemic improvements - signal- controlled	2.442 Miles	2065369	2065369	HSIP (Section 148)	Urban Minor Arterial	13600	45	State Highway Agency		
4065521	Roadway Pavement surface - miscellaneous	6.289 Miles	4052	4052	HSIP (Section 148)	Rural Principal Arterial - Other	6700	55	State Highway Agency		
4146361	Roadway Pavement surface - miscellaneous	0.58 Miles	1036	1036	HSIP (Section 148)	Urban Major Collector	13600	35	State Highway Agency		
4193081	Roadway Pavement surface -	1.903 Miles	180941	180941	HSIP (Section	Urban Principal Arterial -	22500	35	State Highway		

	miscellaneous				148)	Other			Agency		
4193131	Roadway Pavement surface - miscellaneous	4.708 Miles	113594	113594	HSIP (Section 148)	Urban Minor Arterial	8300	30	State Highway Agency		
4193151	Roadway Pavement surface - miscellaneous	7.348 Miles	269025	269025	HSIP (Section 148)	Rural Minor Collector	15082	55	State Highway Agency		
4198241	Roadway Pavement surface - miscellaneous	0.808 Miles	145465	145465	HSIP (Section 148)	Urban Principal Arterial - Other	44000	30	State Highway Agency		
4198251	Roadway Pavement surface - miscellaneous	0.457 Miles	635	635	HSIP (Section 148)	Urban Major Collector	12000	30	State Highway Agency		
4216401	Roadway Pavement surface - miscellaneous	10.846 Miles	450536	450536	HSIP (Section 148)	Rural Local Road or Street	4000	60	State Highway Agency		
4216561	Roadway Pavement surface -	1.542 Miles	219	219	HSIP (Section 148)	Urban Minor Arterial	29000	35	State Highway Agency		

	miscellaneous										
4226171	Roadway Pavement surface - miscellaneous	1.04 Miles	162	162	HSIP (Section 148)	Urban Local Road or Street	18000	30	State Highway Agency		
4229561	Roadway Pavement surface - miscellaneous	3.589 Miles	22249	22249	HSIP (Section 148)	Urban Major Collector	4700	40	State Highway Agency		
4229571	Roadway Pavement surface - miscellaneous	2.017 Miles	68547	68547	HSIP (Section 148)	Urban Principal Arterial - Other	9300	50	State Highway Agency		
4230071	Roadway Pavement surface - miscellaneous	0.348 Miles	362871	362871	HSIP (Section 148)	Urban Minor Arterial	36000	35	State Highway Agency		
4245611	Roadway Pavement surface - miscellaneous	4.395 Miles	950954	950954	HSIP (Section 148)	Urban Principal Arterial - Other	55000	50	State Highway Agency		
4248981	Roadway Pavement surface -	1.94 Miles	172196	172196	HSIP (Section 148)	Urban Minor Arterial	28500	45	State Highway Agency		

	miscellaneous										
4256371	Roadway Pavement surface - miscellaneous	1.57 Miles	1414605	1414605	HSIP (Section 148)	State	4300	35	State Highway Agency		
4275131	Roadway Pavement surface - miscellaneous	4.33 Miles	41928	41928	HSIP (Section 148)	Urban Major Collector	36500	40	State Highway Agency		
4290021	Roadway Pavement surface - miscellaneous	4.202 Miles	7096399	7096399	HSIP (Section 148)	Urban Principal Arterial - Other	54279	45	State Highway Agency		
4275181	Roadway Pavement surface - miscellaneous	5.651 Miles	394090	394090	HSIP (Section 148)	Urban Major Collector	47500	40	State Highway Agency		
4232461	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	0.001 Miles	28240	28240	HSIP (Section 148)	State	0	0	State Highway Agency		
2096101	Pedestrians and bicyclists	0.692 Miles	388626	388626	HSIP (Section 148)	Urban Major Collector	7400	35	State Highway		

	Install sidewalk				148)				Agency		
4235421	Pedestrians and bicyclists Install sidewalk	0.516 Miles	1767	1767	HSIP (Section 148)	Urban Principal Arterial - Other	27000	40	State Highway Agency		
4273161	Pedestrians and bicyclists Install sidewalk	0.324 Miles	250310	250310	HSIP (Section 148)	Urban Principal Arterial - Interstate	77000	70	State Highway Agency		
4273281	Pedestrians and bicyclists Install sidewalk	1.478 Miles	126643	126643	HSIP (Section 148)	Urban Minor Arterial	106000	45	State Highway Agency		
4289481	Pedestrians and bicyclists Install sidewalk	0.624 Miles	5023	5023	HSIP (Section 148)	Rural Minor Collector	650	35	State Highway Agency		
4289501	Pedestrians and bicyclists Install sidewalk	0.634 Miles	6770	6770	HSIP (Section 148)	Rural Minor Collector	850	0	State Highway Agency		
4289511	Pedestrians and bicyclists Install sidewalk	1.601 Miles	3282	3282	HSIP (Section 148)	Rural Minor Arterial	3400	35	State Highway Agency		
4294991	Pedestrians and bicyclists Install sidewalk	0.114 Miles	59064	59064	HSIP (Section 148)	Urban Major Collector	6600	40	State Highway Agency		

4296471	Pedestrians and bicyclists Install sidewalk	0.89 Miles	97719	97719	HSIP (Section 148)	Urban Local Road or Street	28500	35	State Highway Agency		
4296601	Pedestrians and bicyclists Install sidewalk	0.54 Miles	75000	75000	HSIP (Section 148)	Rural Minor Arterial	4300	45	State Highway Agency		
4296611	Pedestrians and bicyclists Install sidewalk	0.913 Miles	75000	75000	HSIP (Section 148)	Rural Minor Collector	4300	40	State Highway Agency		
4296641	Pedestrians and bicyclists Install sidewalk	1.081 Miles	100000	100000	HSIP (Section 148)	State	1600	40	State Highway Agency		
4297521	Pedestrians and bicyclists Install sidewalk	0 Miles	250000	250000	HSIP (Section 148)	State	0	0	State Highway Agency		
4306721	Pedestrians and bicyclists Install sidewalk	5.53 Miles	731176	731176	HSIP (Section 148)	Urban Major Collector	7500	45	State Highway Agency		
4308961	Pedestrians and bicyclists Install sidewalk	3.488 Miles	329698	329698	HSIP (Section 148)	Rural Principal Arterial - Interstate	0	0	State Highway Agency		
4244631	Roadway Pavement surface - high	0.339 Miles	20467	20467	HSIP (Section 148)	Rural Principal Arterial - Other	3500	65	State Highway Agency		

	friction surface										
4145612	Roadway Pavement surface - miscellaneous	1.651 Miles	393424	393424	HSIP (Section 148)	Urban Principal Arterial - Interstate	148500	70	State Highway Agency		
4296841	Shoulder treatments Widen shoulder - paved or other	3.99 Miles	4896	4896	HSIP (Section 148)	Rural Minor Collector	550	40	State Highway Agency		
4271731	Interchange design Interchange design - other	0.625 Miles	101113	101113	HSIP (Section 148)	Urban Principal Arterial - Interstate	141500	60	State Highway Agency		
4082867	Interchange design Interchange design - other	0.981 Miles	4266	4266	HSIP (Section 148)	Rural Principal Arterial - Other	9000	45	State Highway Agency		
2129498	Interchange design Interchange design - other	0.494 Miles	732616	732616	HSIP (Section 148)	Urban Principal Arterial - Other	69000	35	State Highway Agency		
4075731	Interchange design Interchange	3.523 Miles	8064	8064	HSIP (Section	Urban Minor Arterial	40000	65	State Highway		

	design - other				148)				Agency		
4230711	Interchange design Interchange design - other	1.36 Miles	99413	99413	HSIP (Section 148)	Urban Major Collector	30000	35	State Highway Agency		
4272041	Interchange design Interchange design - other	0.37 Miles	226095	226095	HSIP (Section 148)	Urban Principal Arterial - Other	7800	45	State Highway Agency		
4297511	Interchange design Interchange design - other	0.707 Miles	360521	360521	HSIP (Section 148)	Urban Minor Arterial	51500	55	State Highway Agency		
4297512	Interchange design Interchange design - other	0.432 Miles	597181	597181	HSIP (Section 148)	Urban Minor Arterial	107000	65	State Highway Agency		
2409923	Interchange design Interchange design - other	0.235 Miles	22505	22505	HSIP (Section 148)	Urban Principal Arterial - Other	26000	35	State Highway Agency		
4124735	Interchange design Interchange	0.249 Miles	628267	628267	HSIP (Section 148)	Urban Local Road or Street	36500	35	State Highway Agency		

	design - other										
4232791	Interchange design Interchange design - other	1.872 Miles	2012	2012	HSIP (Section 148)	Urban Major Collector	19700	55	State Highway Agency		
4235182	Interchange design Interchange design - other	0.234 Miles	11924	11924	HSIP (Section 148)	Urban Minor Arterial	14500	30	State Highway Agency		
4235531	Interchange design Interchange design - other	0.1 Miles	6160	6160	HSIP (Section 148)	Urban Principal Arterial - Other	30000	45	State Highway Agency		
4247241	Interchange design Interchange design - other	0.228 Miles	8187	8187	HSIP (Section 148)	Urban Major Collector	9100	45	State Highway Agency		
4248161	Interchange design Interchange design - other	0.529 Miles	5392	5392	HSIP (Section 148)	Urban Major Collector	17400	45	State Highway Agency		
4251371	Interchange design Interchange	0.284 Miles	297216	297216	HSIP (Section 148)	Urban Major Collector	7200	55	State Highway Agency		

	design - other										
4251452	Interchange design Interchange design - other	0.1 Miles	247232	247232	HSIP (Section 148)	Urban Major Collector	58000	45	State Highway Agency		
4251453	Interchange design Interchange design - other	0.146 Miles	236562	236562	HSIP (Section 148)	Urban Major Collector	58000	45	State Highway Agency		
4251454	Interchange design Interchange design - other	0.001 Miles	393676	393676	HSIP (Section 148)	Urban Principal Arterial - Other	58500	45	State Highway Agency		
4251455	Interchange design Interchange design - other	0.01 Miles	324306	324306	HSIP (Section 148)	Urban Minor Arterial	58000	40	State Highway Agency		
4252111	Interchange design Interchange design - other	0.289 Miles	1345524	1345524	HSIP (Section 148)	Rural Principal Arterial - Other	22000	50	State Highway Agency		
4252131	Interchange design Interchange	0.05 Miles	91013	91013	HSIP (Section 148)	Urban Local Road or Street	56000	45	State Highway Agency		

	design - other										
4252181	Interchange design Interchange design - other	0.05 Miles	9979	9979	HSIP (Section 148)	Urban Minor Arterial	48500	40	State Highway Agency		
4255042	Interchange design Interchange design - other	0.849 Miles	197998	197998	HSIP (Section 148)	Urban Minor Arterial	26500	30	State Highway Agency		
4255791	Interchange design Interchange design - other	0.04 Miles	248882	248882	HSIP (Section 148)	Urban Major Collector	59500	30	State Highway Agency		
4255821	Interchange design Interchange design - other	0.092 Miles	37120	37120	HSIP (Section 148)	Urban Major Collector	89000	40	State Highway Agency		
4255831	Interchange design Interchange design - other	0.05 Miles	89103	89103	HSIP (Section 148)	Urban Minor Arterial	87500	45	State Highway Agency		
4255972	Interchange design Interchange	0.133 Miles	348884	348884	HSIP (Section 148)	Urban Minor Arterial	12500	30	State Highway Agency		

	design - other										
4255982	Interchange design Interchange design - other	1.882 Miles	44857	44857	HSIP (Section 148)	Urban Local Road or Street	14500	35	State Highway Agency		
4270321	Interchange design Interchange design - other	0.142 Miles	149012	149012	HSIP (Section 148)	Urban Principal Arterial - Other	47000	45	State Highway Agency		
4270471	Interchange design Interchange design - other	2.57 Miles	2264792	2264792	HSIP (Section 148)	Urban Major Collector	14200	35	State Highway Agency		
4273141	Interchange design Interchange design - other	0.185 Miles	2905	2905	HSIP (Section 148)	Urban Principal Arterial - Other	47000	45	State Highway Agency		
4273291	Interchange design Interchange design - other	0.04 Miles	297	297	HSIP (Section 148)	Urban Minor Arterial	16400	45	State Highway Agency		
4276451	Interchange design Interchange	0.536 Miles	1338639	1338639	HSIP (Section 148)	Urban Major Collector	44600	30	State Highway Agency		

	design - other										
4276501	Interchange design Interchange design - other	0.341 Miles	3339	3339	HSIP (Section 148)	Rural Principal Arterial - Other	4900	45	State Highway Agency		
4281871	Interchange design Interchange design - other	1.091 Miles	18713	18713	HSIP (Section 148)	Urban Major Collector	8100	45	State Highway Agency		
4290141	Interchange design Interchange design - other	0.001 Miles	149183	149183	HSIP (Section 148)	Urban Principal Arterial - Other	45000	45	State Highway Agency		
4290201	Interchange design Interchange design - other	0.194 Miles	132416	132416	HSIP (Section 148)	Urban Local Road or Street	48500	30	State Highway Agency		
4291902	Interchange design Interchange design - other	0.001 Miles	50220	50220	HSIP (Section 148)	State	0	0	State Highway Agency		
4293661	Interchange design Interchange	0.73 Miles	288000	288000	HSIP (Section 148)	Urban Major Collector	8100	45	State Highway Agency		

	design - other										
4295261	Interchange design Interchange design - other	0.305 Miles	104187	104187	HSIP (Section 148)	Urban Principal Arterial - Other	43500	40	State Highway Agency		
4295851	Interchange design Interchange design - other	4.118 Miles	150000	150000	HSIP (Section 148)	Urban Minor Arterial	2800	65	State Highway Agency		
4297391	Interchange design Interchange design - other	0.38 Miles	222354	222354	HSIP (Section 148)	Urban Minor Arterial	11500	35	State Highway Agency		
4297751	Interchange design Interchange design - other	0.357 Miles	18896	18896	HSIP (Section 148)	Urban Major Collector	8300	45	State Highway Agency		
4297761	Interchange design Interchange design - other	0.2 Miles	49023	49023	HSIP (Section 148)	Urban Minor Arterial	15500	40	State Highway Agency		
4297771	Interchange design Interchange	0.2 Miles	5001	5001	HSIP (Section 148)	Urban Principal Arterial -	40000	45	State Highway Agency		

	design - other					Other					
4297781	Interchange design Interchange design - other	0.283 Miles	4	4	HSIP (Section 148)	Urban Minor Arterial	9000	45	State Highway Agency		
4307611	Interchange design Interchange design - other	0.001 Miles	139648	139648	HSIP (Section 148)	State	0	0	State Highway Agency		
4307651	Interchange design Interchange design - other	0.124 Miles	142944	142944	HSIP (Section 148)	Urban Principal Arterial - Interstate	0	0	State Highway Agency		
4307981	Interchange design Interchange design - other	0.235 Miles	143873	143873	HSIP (Section 148)	Urban Major Collector	18300	45	State Highway Agency		
4308541	Interchange design Interchange design - other	0.064 Miles	105418	105418	HSIP (Section 148)	Urban Minor Arterial	10900	45	State Highway Agency		
4308571	Interchange design Interchange	0.24 Miles	82922	82922	HSIP (Section 148)	Urban Minor Arterial	27500	45	State Highway Agency		

	design - other										
4308581	Interchange design Interchange design - other	0.18 Miles	35253	35253	HSIP (Section 148)	Urban Minor Arterial	5100	40	State Highway Agency		
4308641	Interchange design Interchange design - other	1.057 Miles	37273	37273	HSIP (Section 148)	Urban Principal Arterial - Other	1850	40	State Highway Agency		
4317261	Interchange design Interchange design - other	0.406 Miles	37989	37989	HSIP (Section 148)	Rural Minor Arterial	13000	60	State Highway Agency		
4317271	Interchange design Interchange design - other	0.4 Miles	36962	36962	HSIP (Section 148)	Rural Minor Arterial	13000	60	State Highway Agency		
4145611	Interchange design Interchange design - other	1.52 Miles	108638	108638	HSIP (Section 148)	Urban Principal Arterial - Interstate	148500	70	State Highway Agency		
2586423	Roadway Roadway - other	1.496 Miles	1121229	1121229	HSIP (Section 148)	Urban Major Collector	1900	30	State Highway Agency		

2586602	Roadway Roadway - other	2.666 Miles	2592109	2592109	HSIP (Section 148)	Urban Minor Arterial	48500	30	State Highway Agency		
4155691	Roadside Barrier- metal	8.164 Miles	3183	3183	HSIP (Section 148)	Rural Minor Arterial	1400	55	State Highway Agency		
4172484	Roadside Barrier- metal	32.308 Miles	5388831	5388831	HSIP (Section 148)	Rural Principal Arterial - Other	1450	45	State Highway Agency		
4234381	Roadside Barrier- metal	4.013 Miles	0	0	HSIP (Section 148)	Rural Minor Collector	3600	45	State Highway Agency		
4245731	Roadside Barrier- metal	4.916 Miles	1292781	1292781	HSIP (Section 148)	Rural Principal Arterial - Other	38759	70	State Highway Agency		
4288631	Roadside Barrier- metal	10.14 Miles	2781239	2781239	HSIP (Section 148)	Urban Principal Arterial - Interstate	39500	60	State Highway Agency		
4234241	Shoulder treatments Pave existing shoulders	10.344 Miles	4379984	4379984	HSIP (Section 148)	Rural Minor Collector	11400	35	State Highway Agency		
4244701	Shoulder	2.482	2240842	2240842	HSIP	Rural Principal	6700	35	State		

	treatments Pave existing shoulders	Miles			(Section 148)	Arterial - Other			Highway Agency		
4273661	Shoulder treatments Pave existing shoulders	5.189 Miles	268599	268599	HSIP (Section 148)	Rural Major Collector	2900	60	State Highway Agency		
4280181	Shoulder treatments Pave existing shoulders	11.942 Miles	475000	475000	HSIP (Section 148)	Rural Local Road or Street	850	55	State Highway Agency		
4283982	Shoulder treatments Pave existing shoulders	8.656 Miles	459	459	HSIP (Section 148)	Rural Major Collector	7200	55	State Highway Agency		
4288721	Shoulder treatments Pave existing shoulders	2.879 Miles	31861	31861	HSIP (Section 148)	Rural Major Collector	3300	55	State Highway Agency		
4288731	Shoulder treatments Pave existing shoulders	6.355 Miles	56619	56619	HSIP (Section 148)	Rural Minor Collector	300	0	State Highway Agency		
4288732	Shoulder treatments	5.051	204035	204035	HSIP (Section	Rural Local	300	55	State Highway		

	Pave existing shoulders	Miles			148)	Road or Street			Agency		
4288733	Shoulder treatments Pave existing shoulders	7.142 Miles	263237	263237	HSIP (Section 148)	Rural Local Road or Street	600	35	State Highway Agency		
4288741	Shoulder treatments Pave existing shoulders	8.439 Miles	61556	61556	HSIP (Section 148)	Rural Minor Collector	650	55	State Highway Agency		
4289491	Shoulder treatments Pave existing shoulders	1.214 Miles	27895	27895	HSIP (Section 148)	Rural Local Road or Street	6300	45	State Highway Agency		
4292462	Shoulder treatments Pave existing shoulders	14.77 Miles	1070853	1070853	HSIP (Section 148)	Rural Major Collector	0	0	State Highway Agency		
4296481	Shoulder treatments Pave existing shoulders	0.992 Miles	100253	100253	HSIP (Section 148)	State	0	0	State Highway Agency		
4296711	Shoulder treatments Pave existing	8.016 Miles	186159	186159	HSIP (Section	Rural Minor Collector	950	35	State Highway		

	shoulders				148)				Agency		
4296721	Shoulder treatments Pave existing shoulders	6.508 Miles	167619	167619	HSIP (Section 148)	Rural Minor Arterial	5200	55	State Highway Agency		
4296741	Shoulder treatments Pave existing shoulders	8.949 Miles	178041	178041	HSIP (Section 148)	Rural Minor Collector	700	55	State Highway Agency		
4296781	Shoulder treatments Pave existing shoulders	6.257 Miles	259527	259527	HSIP (Section 148)	Urban Major Collector	550	40	State Highway Agency		
2081302	Intersection geometry Auxiliary lanes - add left-turn lane	0.4 Miles	26323	26323	HSIP (Section 148)	State	5300	55	State Highway Agency		
4188605	Intersection geometry Auxiliary lanes - add left-turn lane	7.273 Miles	2859361	2859361	HSIP (Section 148)	Urban Major Collector	57000	45	State Highway Agency		
4247271	Intersection geometry	0.001	5689	5689	HSIP (Section	Urban Principal	7800	60	State Highway		

	Auxiliary lanes - add left-turn lane	Miles			148)	Arterial - Other			Agency		
4271981	Intersection geometry Auxiliary lanes - add left-turn lane	0.274 Miles	240072	240072	HSIP (Section 148)	Rural Minor Collector	6600	55	State Highway Agency		
4273101	Intersection geometry Auxiliary lanes - add left-turn lane	0.313 Miles	34961	34961	HSIP (Section 148)	Urban Minor Arterial	7000	45	State Highway Agency		
4188606	Intersection geometry Auxiliary lanes - add right- turn lane	7.273 Miles	1053112	1053112	HSIP (Section 148)	Urban Major Collector	57000	45	State Highway Agency		
4273111	Intersection geometry Auxiliary lanes - add right- turn lane	0.167 Miles	600	600	HSIP (Section 148)	Urban Minor Arterial	19400	60	State Highway Agency		
4154951	Intersection traffic control Systemic	0 Miles	4959	4959	HSIP (Section	State	0	0	State Highway		

	improvements - signal- controlled				148)				Agency		
4272981	Intersection traffic control Systemic improvements - signal- controlled	0.083 Miles	26546	26546	HSIP (Section 148)	Urban Principal Arterial - Other	29500	40	State Highway Agency		
4273071	Intersection traffic control Systemic improvements - signal- controlled	0.125 Miles	34978	34978	HSIP (Section 148)	Urban Principal Arterial - Other	49000	45	State Highway Agency		
4294961	Intersection traffic control Systemic improvements - signal- controlled	0.023 Miles	107135	107135	HSIP (Section 148)	Urban Principal Arterial - Other	42000	45	State Highway Agency		
4295031	Intersection traffic control Systemic improvements - signal-	0.017 Miles	89670	89670	HSIP (Section 148)	Urban Principal Arterial - Other	49000	45	State Highway Agency		

	controlled										
4295041	Intersection traffic control Systemic improvements - signal-controlled	0.302 Miles	29192	29192	HSIP (Section 148)	Urban Principal Arterial - Other	13900	45	State Highway Agency		
4296521	Intersection traffic control Systemic improvements - signal-controlled	0 Miles	300000	300000	HSIP (Section 148)	State	0	0	State Highway Agency		
4297401	Intersection traffic control Systemic improvements - signal-controlled	0.228 Miles	148942	148942	HSIP (Section 148)	Urban Minor Arterial	37500	45	State Highway Agency		
4297411	Intersection traffic control Systemic improvements - signal-controlled	0.15 Miles	140113	140113	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	41000	65	State Highway Agency		

4301961	Intersection traffic control Systemic improvements - signal-controlled	0.178 Miles	148625	148625	HSIP (Section 148)	Urban Local Road or Street	51500	45	State Highway Agency		
4308011	Intersection traffic control Systemic improvements - signal-controlled	0.1 Miles	7433	7433	HSIP (Section 148)	Urban Principal Arterial - Other	29500	45	State Highway Agency		
4315061	Intersection traffic control Systemic improvements - signal-controlled	0 Miles	24969	24969	HSIP (Section 148)	State	0	0	State Highway Agency		
2502362	Intersection traffic control Systemic improvements - signal-controlled	0.057 Miles	39956	39956	HSIP (Section 148)	Urban Principal Arterial - Other	13600	30	State Highway Agency		
4229161	Intersection traffic control Systemic	0.115 Miles	353250	353250	HSIP (Section	Rural Principal Arterial -	10200	50	State Highway		

	improvements - signal- controlled				148)	Other			Agency		
4248903	Intersection traffic control Systemic improvements - signal- controlled	0.008 Miles	147431	147431	HSIP (Section 148)	Urban Minor Arterial	0	0	State Highway Agency		
4268511	Intersection traffic control Systemic improvements - signal- controlled	0.168 Miles	141650	141650	HSIP (Section 148)	Urban Major Collector	15200	45	State Highway Agency		
4271911	Intersection traffic control Systemic improvements - signal- controlled	0.133 Miles	225000	225000	HSIP (Section 148)	Rural Principal Arterial - Other	13300	65	State Highway Agency		
4273061	Intersection traffic control Systemic improvements - signal-	0.049 Miles	19469	19469	HSIP (Section 148)	Urban Principal Arterial - Other	72500	45	State Highway Agency		

	controlled										
4308531	Intersection traffic control Systemic improvements - signal-controlled	0.038 Miles	49019	49019	HSIP (Section 148)	Urban Principal Arterial - Other	35000	60	State Highway Agency		
4172443	Roadway delineation Longitudinal pavement markings - new	7.352 Miles	105000	105000	HSIP (Section 148)	Urban Major Collector	4100	60	State Highway Agency		
4248061	Roadway delineation Longitudinal pavement markings - new	5.299 Miles	55320	55320	HSIP (Section 148)	Rural Minor Arterial	1500	65	State Highway Agency		
4248071	Roadway delineation Longitudinal pavement markings - new	8.754 Miles	94638	94638	HSIP (Section 148)	Rural Minor Arterial	2700	50	State Highway Agency		
4248081	Roadway delineation Longitudinal pavement	10.628 Miles	129220	129220	HSIP (Section 148)	Rural Local Road or Street	6100	60	State Highway Agency		

	markings - new										
4280531	Roadway delineation Longitudinal pavement markings - new	2 Miles	3148	3148	HSIP (Section 148)	Rural Local Road or Street	14900	45	State Highway Agency		
4286031	Roadway delineation Longitudinal pavement markings - new	23.673 Miles	157760	157760	HSIP (Section 148)	Rural Minor Collector	15100	65	State Highway Agency		
4294851	Roadway delineation Longitudinal pavement markings - new	0.612 Miles	246512	246512	HSIP (Section 148)	State	0	0	State Highway Agency		
4296731	Roadway delineation Longitudinal pavement markings - new	6.36 Miles	64546	64546	HSIP (Section 148)	Rural Major Collector	11000	45	State Highway Agency		
4296771	Roadway delineation Longitudinal pavement	4.378 Miles	131679	131679	HSIP (Section 148)	Rural Local Road or Street	5900	30	State Highway Agency		

	markings - new										
4297501	Roadway delineation Longitudinal pavement markings - new	0 Miles	286305	286305	HSIP (Section 148)	Local	0	0	State Highway Agency		
4297502	Roadway delineation Longitudinal pavement markings - new	13.479 Miles	76276	76276	HSIP (Section 148)	Rural Major Collector	2200	60	State Highway Agency		
4308501	Roadway delineation Longitudinal pavement markings - new	0 Miles	11184	11184	HSIP (Section 148)	State	0	0	State Highway Agency		
4320811	Roadway delineation Longitudinal pavement markings - new	0 Miles	50000	50000	HSIP (Section 148)	State	0	0	State Highway Agency		
4248151	Roadway signs and traffic control Roadway signs and traffic	1.501 Miles	316824	316824	HSIP (Section 148)	Urban Principal Arterial - Other	1200	45	State Highway Agency		

	control - other										
2096923	Lighting Lighting - other	5.187 Miles	591344	591344	HSIP (Section 148)	Urban Major Collector	6300	45	State Highway Agency		
2226671	Lighting Lighting - other	0.595 Miles	4566	4566	HSIP (Section 148)	Rural Minor Arterial	850	70	State Highway Agency		
4232761	Lighting Lighting - other	0.926 Miles	14077	14077	HSIP (Section 148)	Urban Principal Arterial - Other	47000	55	State Highway Agency		
4293651	Lighting Lighting - other	2.452 Miles	268716	268716	HSIP (Section 148)	Urban Principal Arterial - Other	264000	40	State Highway Agency		
4294881	Lighting Lighting - other	0.502 Miles	40581	40581	HSIP (Section 148)	Urban Principal Arterial - Other	32500	50	State Highway Agency		
4294901	Lighting Lighting - other	7.262 Miles	317482	317482	HSIP (Section 148)	Rural Principal Arterial - Other	9600	65	State Highway Agency		
4295021	Lighting Lighting - other	0.594 Miles	187044	187044	HSIP (Section	Rural Principal Arterial -	5600	55	State Highway		

					148)	Other			Agency		
4295061	Lighting Lighting - other	1.249 Miles	388632	388632	HSIP (Section 148)	Urban Principal Arterial - Other	49000	45	State Highway Agency		
4296941	Lighting Lighting - other	2.369 Miles	48996	48996	HSIP (Section 148)	Urban Principal Arterial - Interstate	28000	70	State Highway Agency		
4296961	Lighting Lighting - other	0.832 Miles	55134	55134	HSIP (Section 148)	Rural Principal Arterial - Interstate	10300	70	State Highway Agency		
4297371	Lighting Lighting - other	5.271 Miles	229254	229254	HSIP (Section 148)	Urban Principal Arterial - Interstate	55500	50	State Highway Agency		
4297421	Lighting Lighting - other	0.608 Miles	134415	134415	HSIP (Section 148)	Urban Principal Arterial - Other	52000	45	State Highway Agency		
4297451	Lighting Lighting - other	0.949 Miles	90457	90457	HSIP (Section 148)	Urban Local Road or Street	22500	55	State Highway Agency		
4297791	Lighting	3.152	968	968	HSIP	Urban	18900	55	State		

	Lighting - other	Miles			(Section 148)	Principal Arterial - Other			Highway Agency		
4301981	Lighting Lighting - other	0.1 Miles	113800	113800	HSIP (Section 148)	Urban Principal Arterial - Other	28000	40	State Highway Agency		
4307991	Lighting Lighting - other	0.123 Miles	534	534	HSIP (Section 148)	Urban Principal Arterial - Other	26500	45	State Highway Agency		
4257951	Miscellaneous	1.094 Miles	74308	74308	HSIP (Section 148)	Rural Major Collector	0	0	State Highway Agency		
4314461	Miscellaneous	0.002 Miles	231360	231360	HSIP (Section 148)	Urban Principal Arterial - Other	0	0	State Highway Agency		
4314481	Miscellaneous	0 Miles	154648	154648	HSIP (Section 148)	Local	0	0	State Highway Agency		
4314511	Miscellaneous	0 Miles	84472	84472	HSIP (Section 148)	State	0	0	State Highway Agency		

4289641	Miscellaneous	12.743 Miles	103665	103665	HSIP (Section 148)	Rural Local Road or Street	1800	70	State Highway Agency		
2078378	Non-infrastructure Non-infrastructure - other	0.949 Miles	150	150	HSIP (Section 148)	Urban Major Collector	47500	45	State Highway Agency		
2395172	Non-infrastructure Non-infrastructure - other	0 Miles	731653	731653	HSIP (Section 148)	State	0	0	State Highway Agency		
2546461	Non-infrastructure Non-infrastructure - other	0 Miles	318052	318052	HSIP (Section 148)	State	0	0	State Highway Agency		
2546471	Non-infrastructure Non-infrastructure - other	0 Miles	451971	451971	HSIP (Section 148)	State	0	0	State Highway Agency		
4230181	Non-infrastructure Non-	0.196 Miles	367769	367769	HSIP (Section 148)	Urban Major Collector	13400	35	State Highway		

	infrastructure - other				148)				Agency		
4230191	Non-infrastructure Non-infrastructure - other	0.045 Miles	390715	390715	HSIP (Section 148)	Urban Major Collector	16600	40	State Highway Agency		
4230311	Non-infrastructure Non-infrastructure - other	3.824 Miles	3305892	3305892	HSIP (Section 148)	Urban Major Collector	3600	45	State Highway Agency		
4231191	Non-infrastructure Non-infrastructure - other	0.13 Miles	335042	335042	HSIP (Section 148)	Urban Principal Arterial - Other	32500	50	State Highway Agency		
4252701	Non-infrastructure Non-infrastructure - other	0.322 Miles	91190	91190	HSIP (Section 148)	Urban Principal Arterial - Other	39500	40	State Highway Agency		
4255132	Non-infrastructure Non-infrastructure -	0.001 Miles	178822	178822	HSIP (Section 148)	State	0	0	State Highway Agency		

	other										
4268521	Non- infrastructure Non- infrastructure - other	0.239 Miles	740834	740834	HSIP (Section 148)	Urban Minor Arterial	34500	45	State Highway Agency		
4268531	Non- infrastructure Non- infrastructure - other	0.177 Miles	186678	186678	HSIP (Section 148)	Urban Major Collector	51000	40	State Highway Agency		
4268551	Non- infrastructure Non- infrastructure - other	0.223 Miles	414388	414388	HSIP (Section 148)	Urban Minor Arterial	40000	45	State Highway Agency		
4276111	Non- infrastructure Non- infrastructure - other	0.148 Miles	345623	345623	HSIP (Section 148)	Urban Principal Arterial - Other	74500	40	State Highway Agency		
4279241	Non- infrastructure Non- infrastructure -	0.618 Miles	924688	924688	HSIP (Section 148)	Urban Principal Arterial - Other	6400	50	State Highway Agency		

	other										
4279261	Non- infrastructure Non- infrastructure - other	0.189 Miles	429929	429929	HSIP (Section 148)	Urban Minor Arterial	4600	45	State Highway Agency		
4290211	Non- infrastructure Non- infrastructure - other	0.001 Miles	156754	156754	HSIP (Section 148)	Urban Principal Arterial - Other	27000	40	State Highway Agency		
4296501	Non- infrastructure Non- infrastructure - other	0 Miles	300000	300000	HSIP (Section 148)	State	0	0	State Highway Agency		
4282141	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	2.99 Miles	2500000	2500000	HSIP (Section 148)	Urban Minor Arterial	26000	45	State Highway Agency		
4294921	Pedestrians and bicyclists Miscellaneous pedestrians	0 Miles	449973	449973	HSIP (Section 148)	State	0	0	State Highway Agency		

	and bicyclists										
4308661	Pedestrians and bicyclists Miscellaneous pedestrians and bicyclists	3.091 Miles	116549	116549	HSIP (Section 148)	Urban Principal Arterial - Other	43500	40	State Highway Agency		
2110791	Miscellaneous	0 Miles	420730	420730	HSIP (Section 148)	State	0	0	State Highway Agency		
2110792	Miscellaneous	0 Miles	214279	214279	HSIP (Section 148)	State	0	0	State Highway Agency		
2379951	Miscellaneous	0 Miles	122725	122725	HSIP (Section 148)	State	0	0	State Highway Agency		
2545531	Miscellaneous	0 Miles	1252547	1252547	HSIP (Section 148)	State	0	0	State Highway Agency		
4092241	Miscellaneous	0 Miles	374761	374761	HSIP (Section 148)	State	0	0	State Highway Agency		
4184391	Miscellaneous	0 Miles	213686	213686	HSIP (Section 148)	State	0	0	State Highway Agency		

4314291	Roadway Roadway - other	0.008 Miles	11380	11380	HRRRP (SAFETEA- LU)	Rural Local Road or Street	0	0	State Highway Agency		
4254571	Shoulder treatments Widen shoulder - paved or other	2.016 Miles	80800	80800	HRRRP (SAFETEA- LU)	Rural Local Road or Street	18800	45	State Highway Agency		
4296111	Interchange design Interchange design - other	0.227 Miles	134431	134431	HRRRP (SAFETEA- LU)	Rural Minor Collector	1200	45	State Highway Agency		
4281862	Roadside Barrier- metal	0 Miles	1081	1081	HRRRP (SAFETEA- LU)	Local	0	0	State Highway Agency		
4295861	Roadside Barrier- metal	13.891 Miles	66415	66415	HRRRP (SAFETEA- LU)	Rural Minor Collector	150	55	State Highway Agency		
4287611	Shoulder treatments Pave existing shoulders	2.868 Miles	887666	887666	HRRRP (SAFETEA- LU)	Rural Major Collector	5700	0	State Highway Agency		
4287701	Shoulder treatments Pave existing	0.936 Miles	17341	17341	HRRRP (SAFETEA- LU)	Rural Minor Collector	450	0	State Highway		

	shoulders				LU)				Agency		
4288742	Shoulder treatments Pave existing shoulders	8.439 Miles	2331131	2331131	HRRRP (SAFETEA-LU)	Rural Minor Collector	0	0	State Highway Agency		
4136122	Intersection geometry Auxiliary lanes - add left-turn lane	2.493 Miles	553	553	HRRRP (SAFETEA-LU)	Urban Major Collector	4500	55	State Highway Agency		
4272991	Roadway delineation Longitudinal pavement markings - new	15.19 Miles	5606	5606	HRRRP (SAFETEA-LU)	Rural Major Collector	1500	45	State Highway Agency		
4273031	Roadway delineation Longitudinal pavement markings - new	29.521 Miles	87144	87144	HRRRP (SAFETEA-LU)	Local	0	0	State Highway Agency		

Progress in Achieving Safety Performance Targets

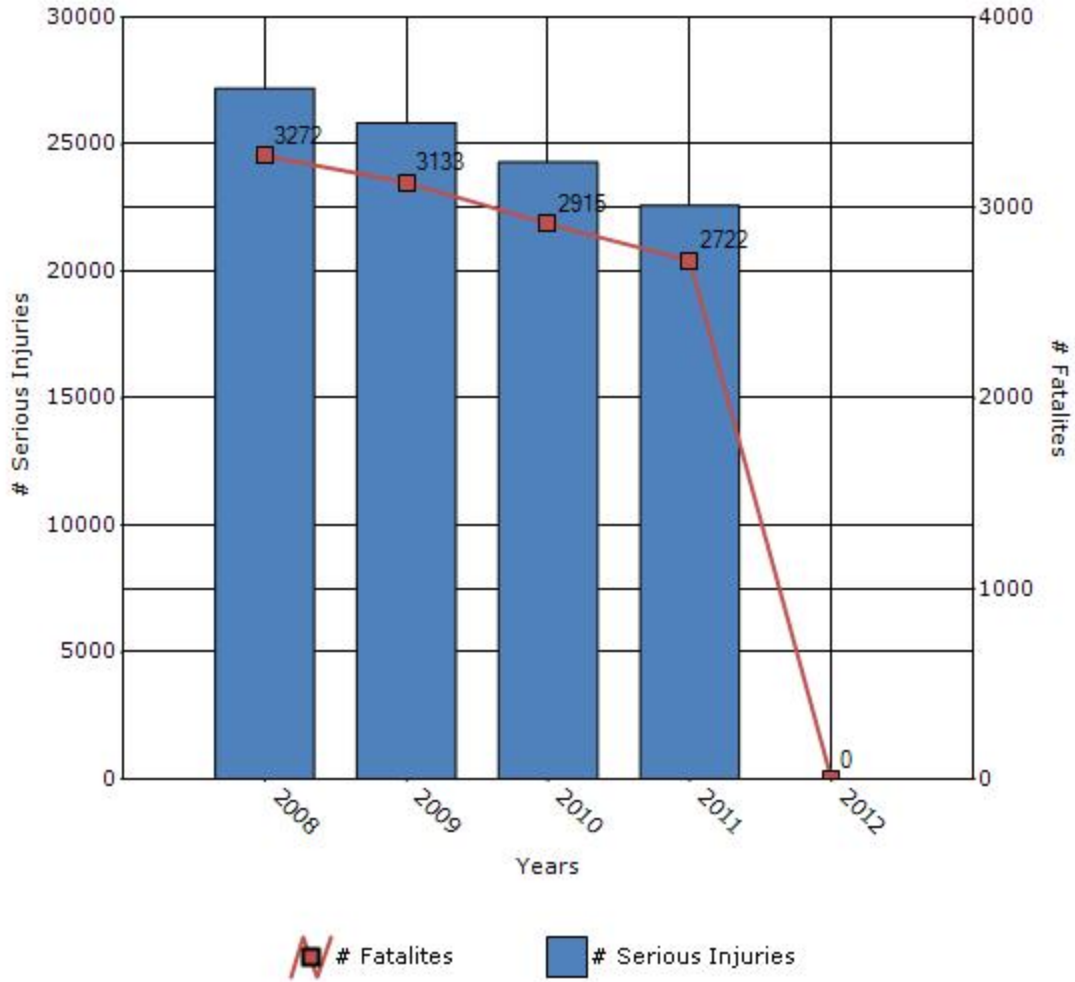
Overview of General Safety Trends

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

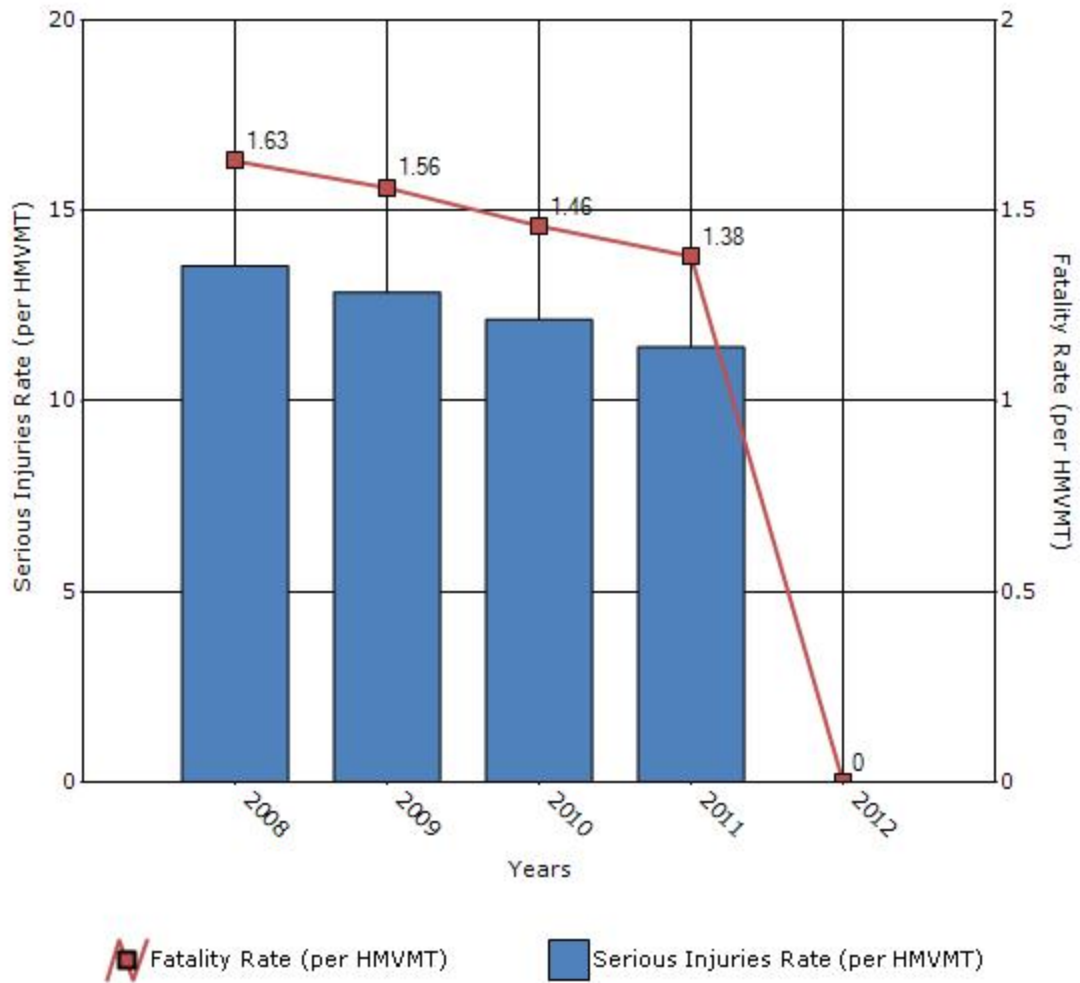
Performance Measures*	2008	2009	2010	2011	2012
Number of fatalities	3272	3133	2915	2722	0
Number of serious injuries	27204	25846	24296	22585	0
Fatality rate (per HMVMT)	1.63	1.56	1.46	1.38	0
Serious injury rate (per HMVMT)	13.55	12.86	12.14	11.42	0

*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



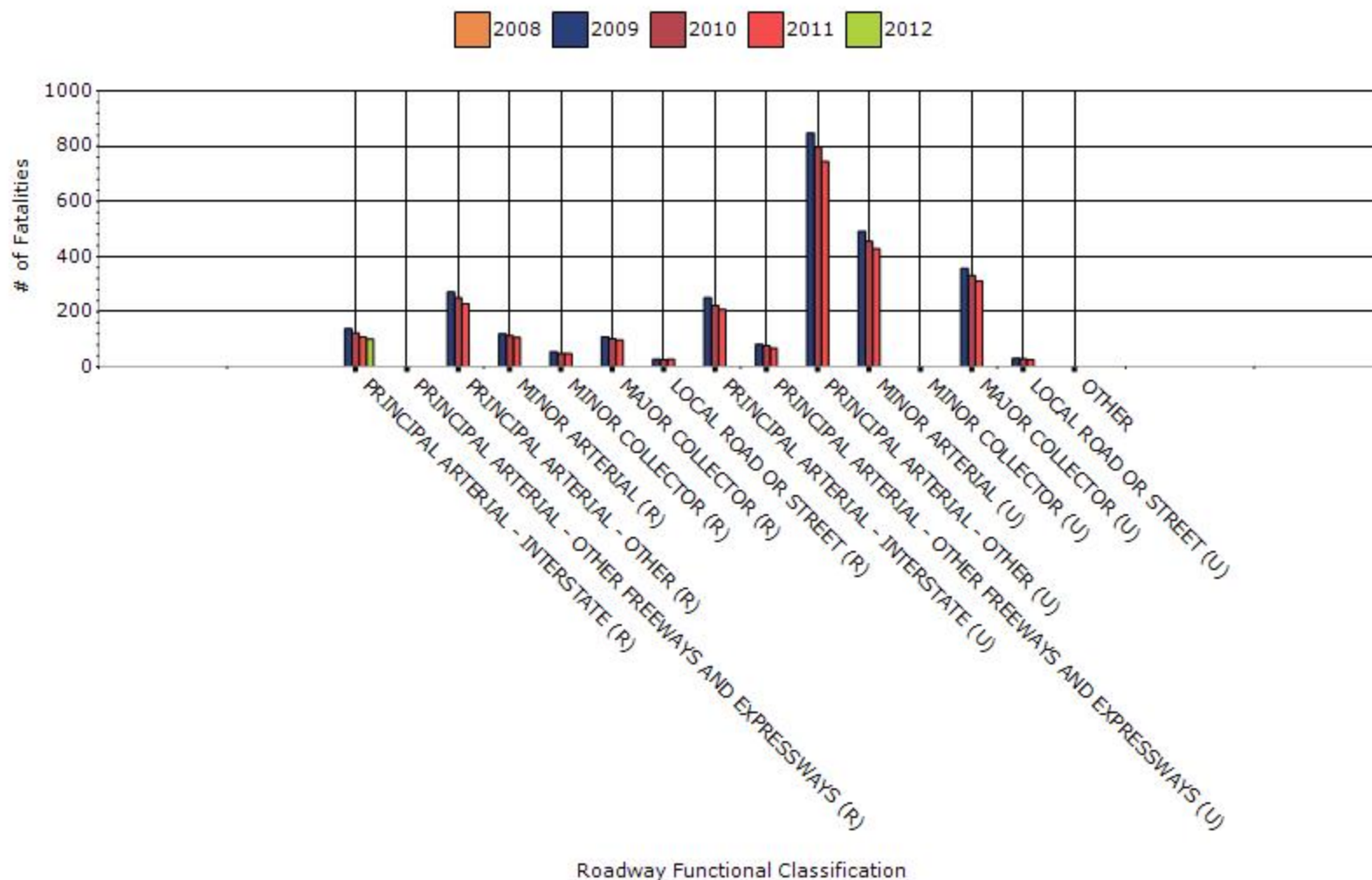
To the maximum extent possible, present performance measure* data by functional classification and ownership.

Year - 2012

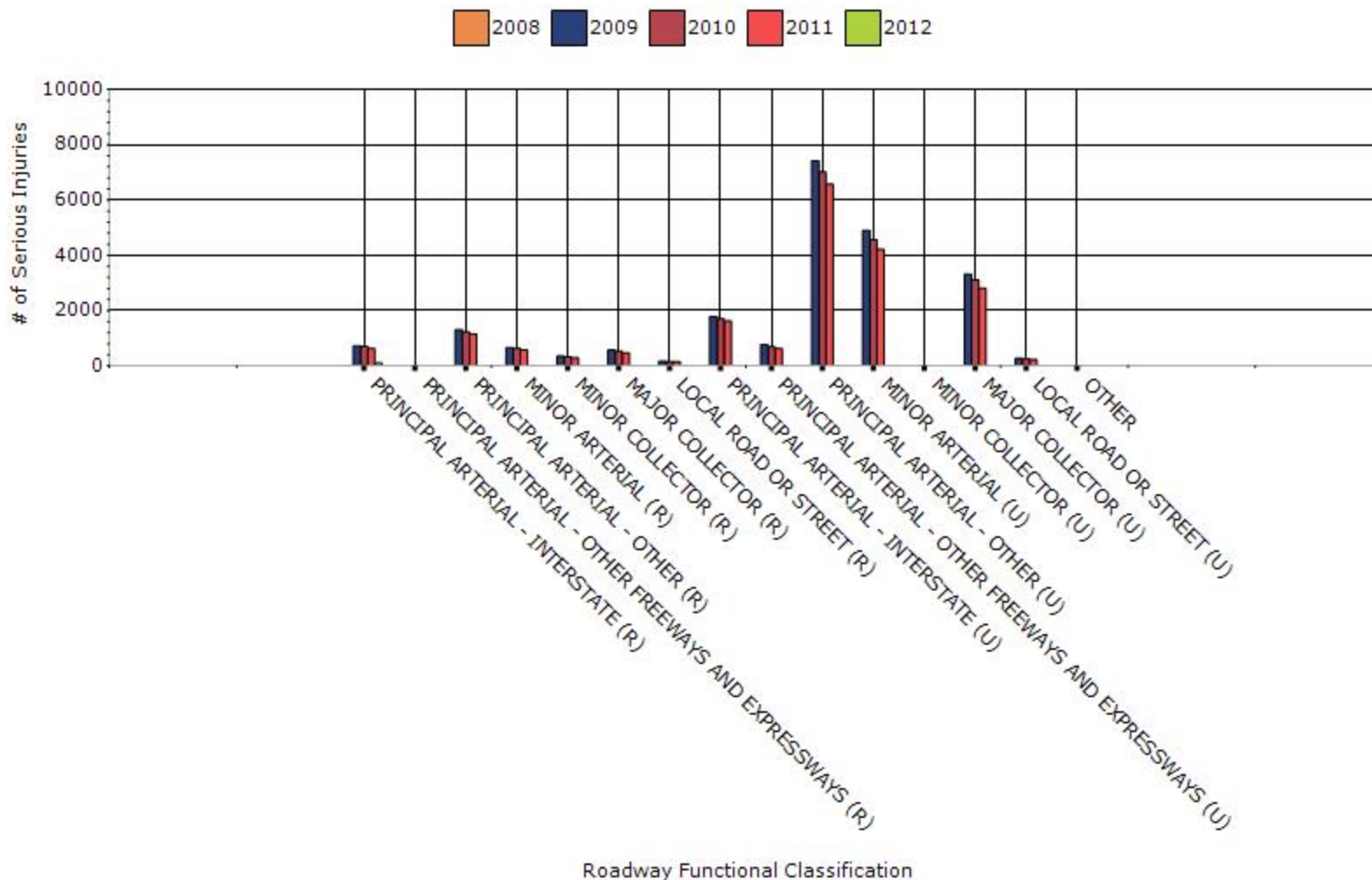
Function Classification	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)
RURAL PRINCIPAL ARTERIAL - INTERSTATE	100	100	1	1
RURAL PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXPRESSWAYS	0	0	0	0
RURAL PRINCIPAL ARTERIAL - OTHER	0	0	0	0
RURAL MINOR ARTERIAL	0	0	0	0
RURAL MINOR COLLECTOR	0	0	0	0
RURAL MAJOR COLLECTOR	0	0	0	0
RURAL LOCAL ROAD OR STREET	0	0	0	0
URBAN PRINCIPAL	0	0	0	0

ARTERIAL - INTERSTATE				
URBAN PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXPRESSWAYS	0	0	0	0
URBAN PRINCIPAL ARTERIAL - OTHER	0	0	0	0
URBAN MINOR ARTERIAL	0	0	0	0
URBAN MINOR COLLECTOR	0	0	0	0
URBAN MAJOR COLLECTOR	0	0	0	0
URBAN LOCAL ROAD OR STREET	0	0	0	0
OTHER	0	0	0	0
OTHER	0	0	0	0

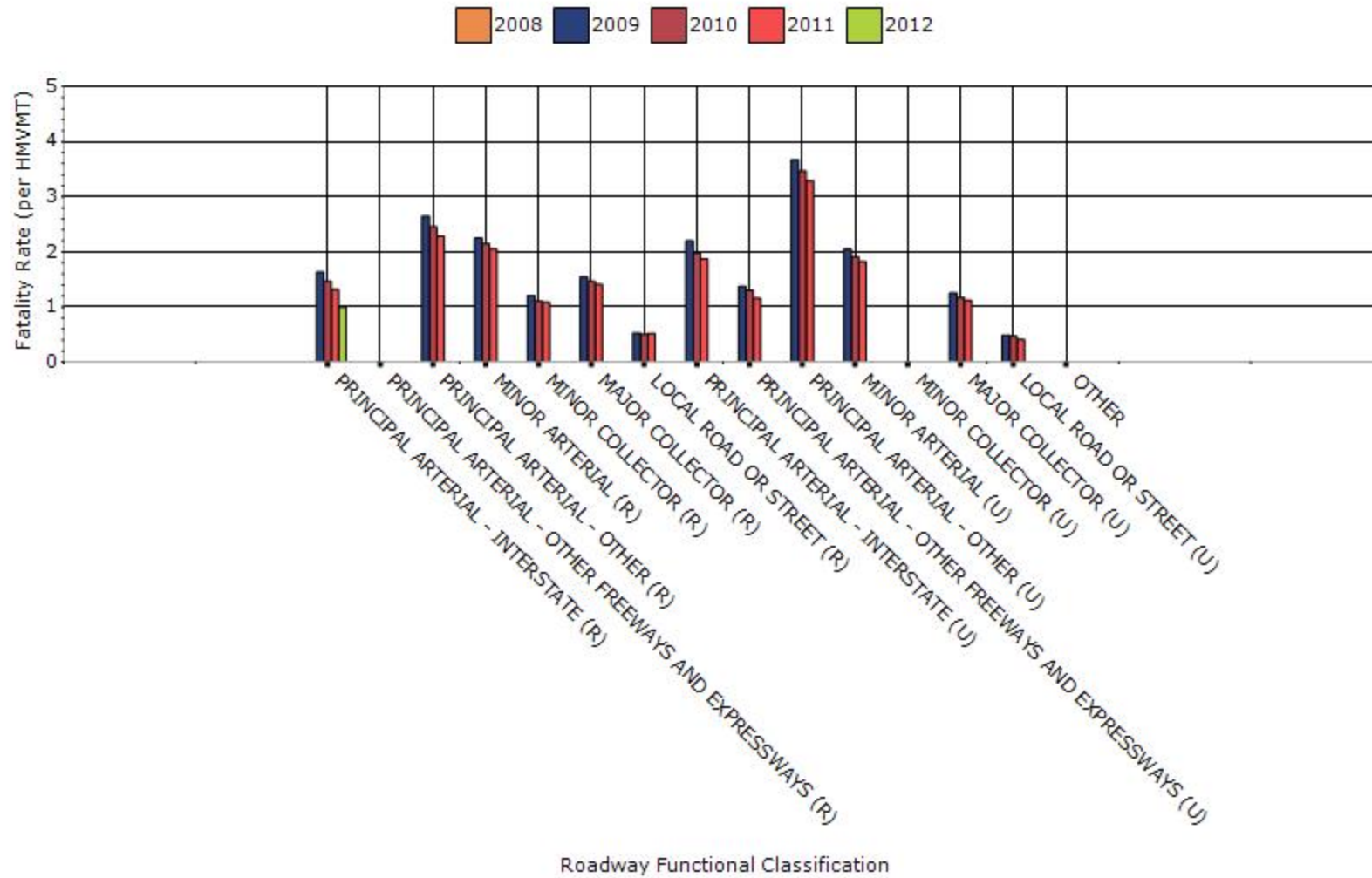
Fatalities by Roadway Functional Classification



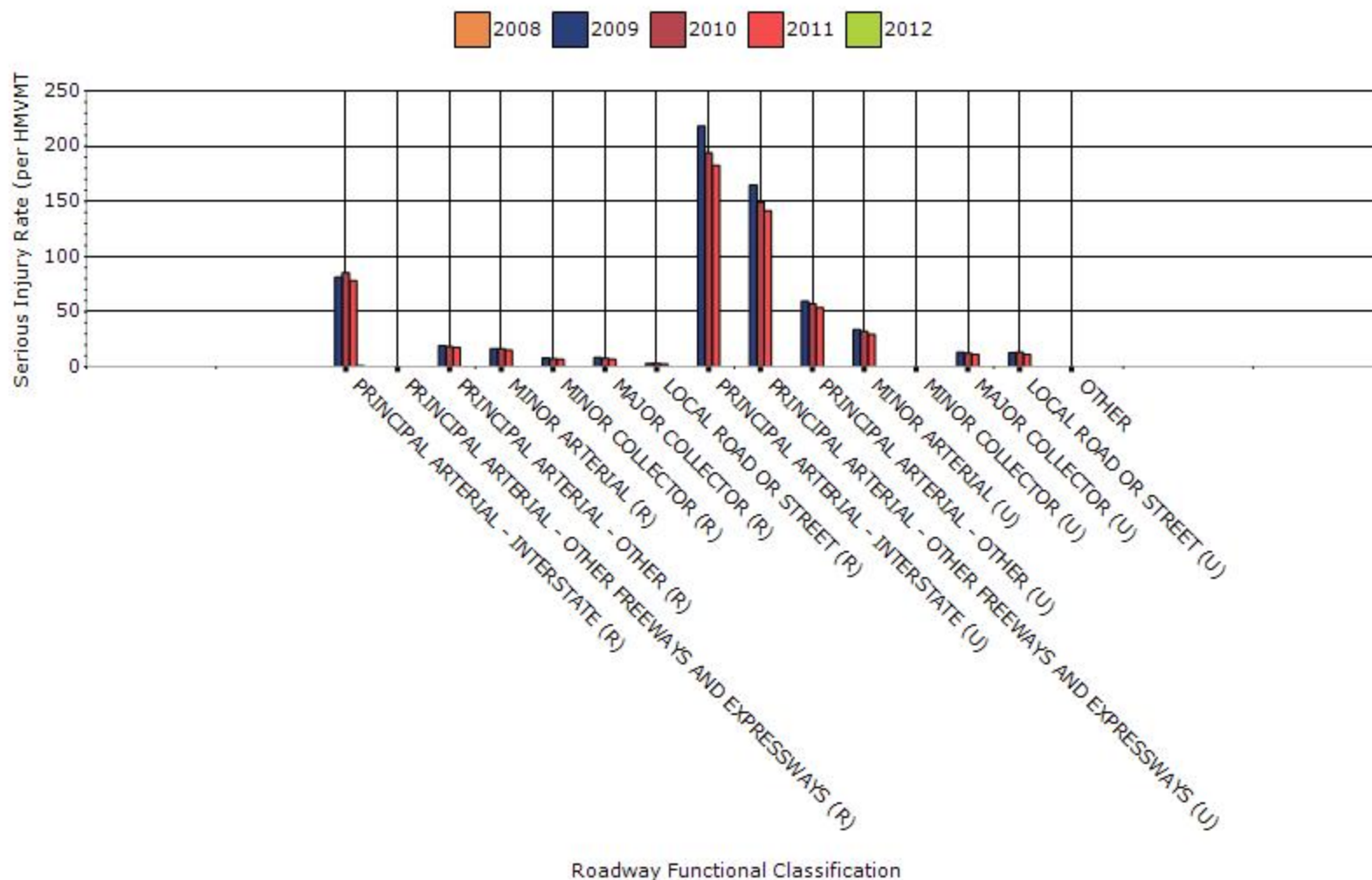
Serious Injuries by Roadway Functional Classification



Fatality Rate by Roadway Functional Classification



Serious Injury Rate by Roadway Functional Classification

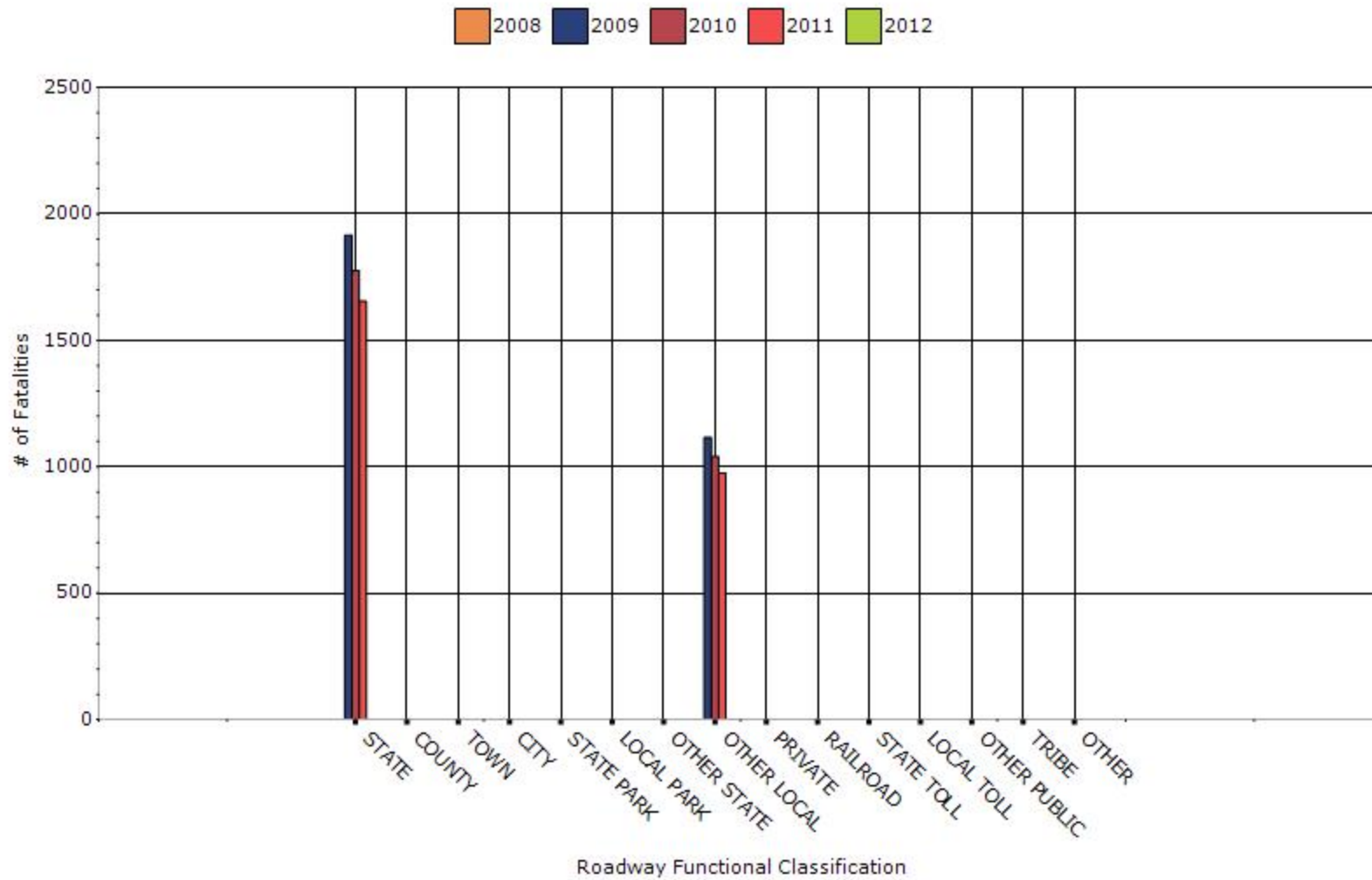


Year - 2012

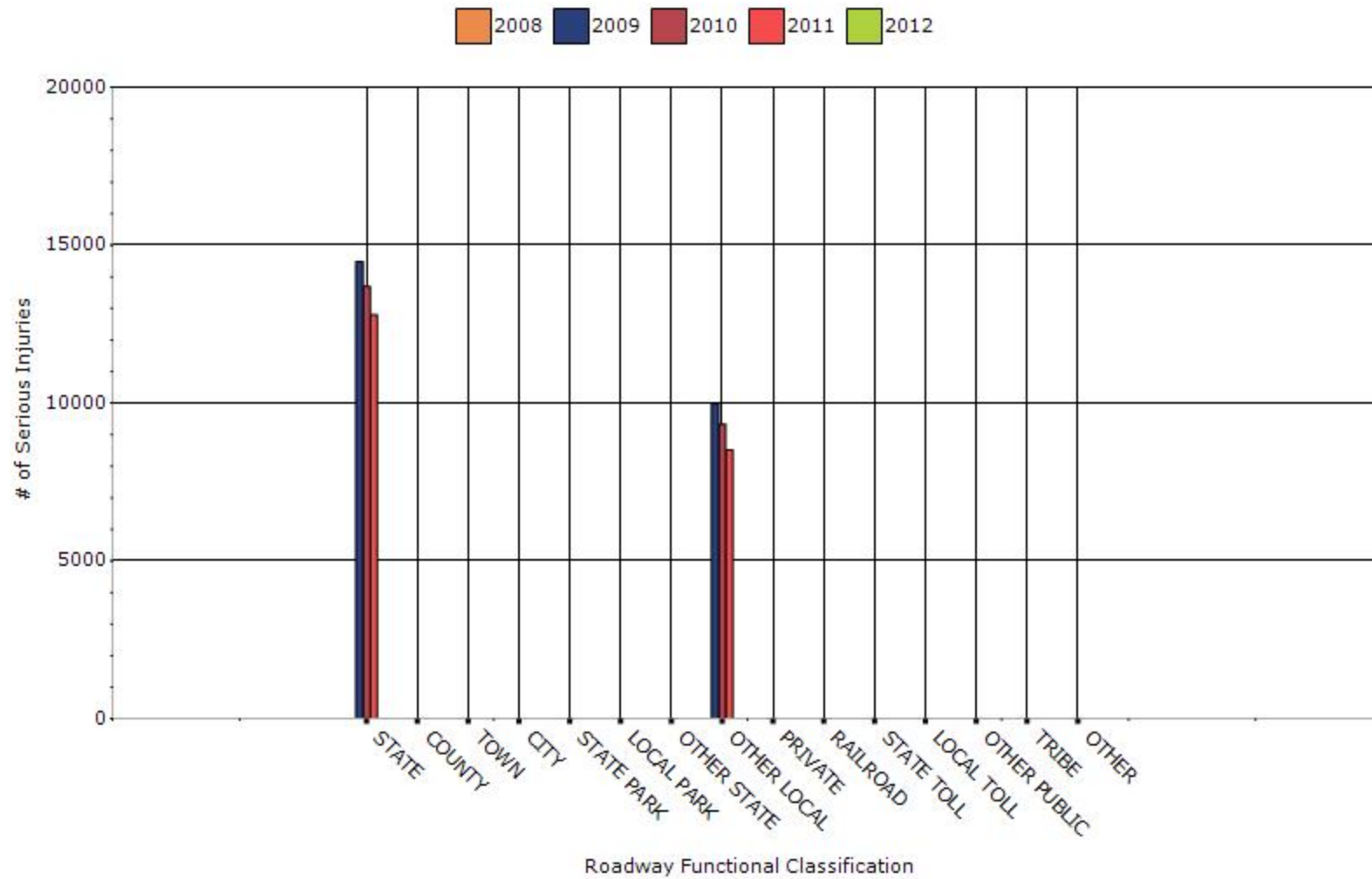
Roadway Ownership	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)
STATE HIGHWAY AGENCY	0	0	0	0
COUNTY HIGHWAY AGENCY	0	0	0	0
TOWN OR TOWNSHIP HIGHWAY AGENCY	0	0	0	0
CITY OF MUNICIPAL HIGHWAY AGENCY	0	0	0	0
STATE PARK, FOREST, OR RESERVATION AGENCY	0	0	0	0
LOCAL PARK, FOREST OR RESERVATION AGENCY	0	0	0	0
OTHER STATE AGENCY	0	0	0	0
OTHER LOCAL AGENCY	0	0	0	0
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
INDIAN TRIBE NATION	0	0	0	0
OTHER	0	0	0	0
OTHER	0	0	0	0

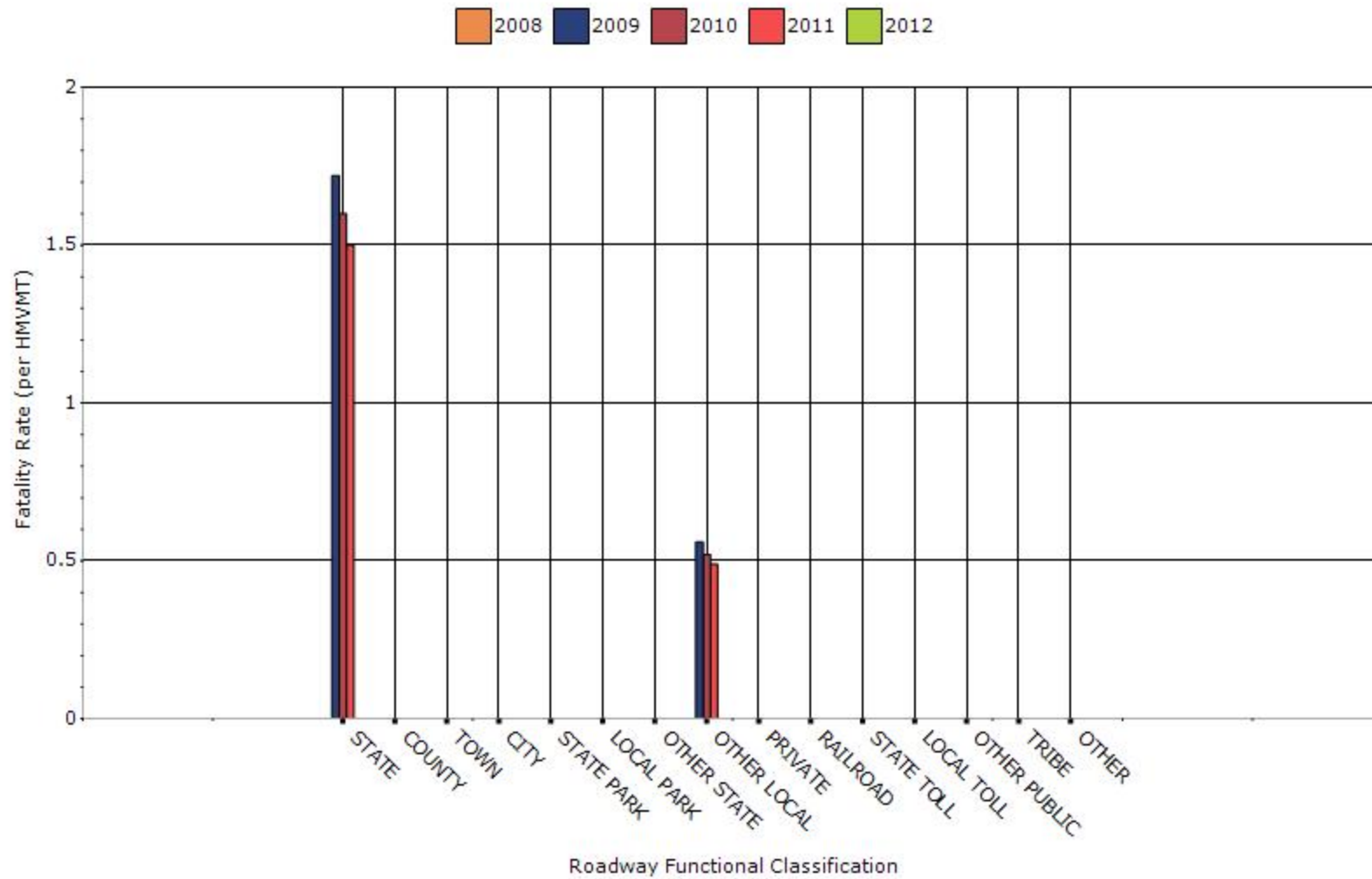
Number of Fatalities by Roadway Ownership



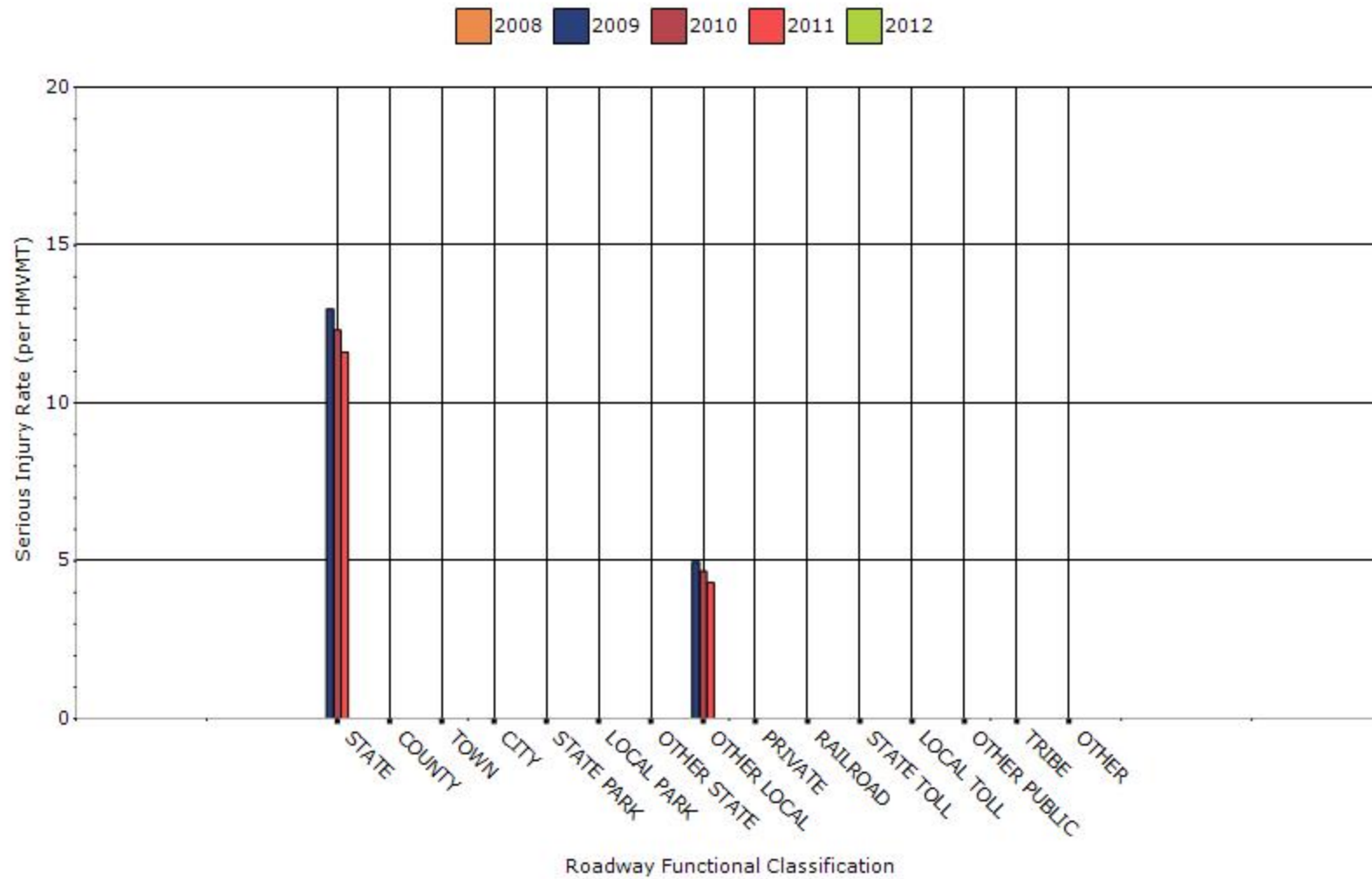
Number of Serious Injuries by Roadway Ownership



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 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. Geographic Information Systems spatial analysis was used to derive Functional Class trends. FDOT creates spatial layers based on the roadway characteristic inventoried and georeferenced crash reports, and records the value of the corresponding outputs.

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 Performance Measures	2008	2009	2010	2011	2012
Fatality rate (per capita)	9.4	8.78	8.56	8.37	0
Serious injury rate (per capita)	47.19	45.38	43.32	42.72	0
Fatality and serious injury rate (per capita)	56.59	54.16	51.89	51.09	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. (Data not available for 2012.)

Fatal, Serious Injury, and Fatal and Serious Injury Rate (2008 shown as an example. Same process used for 2009, 2010, and 2011 rates)

References: Fataals – FARS; Serious Injuries - Florida Department of Transportation; Population Figures - <http://www.fhwa.dot.gov/map21/guidance/guideolder.cfm>

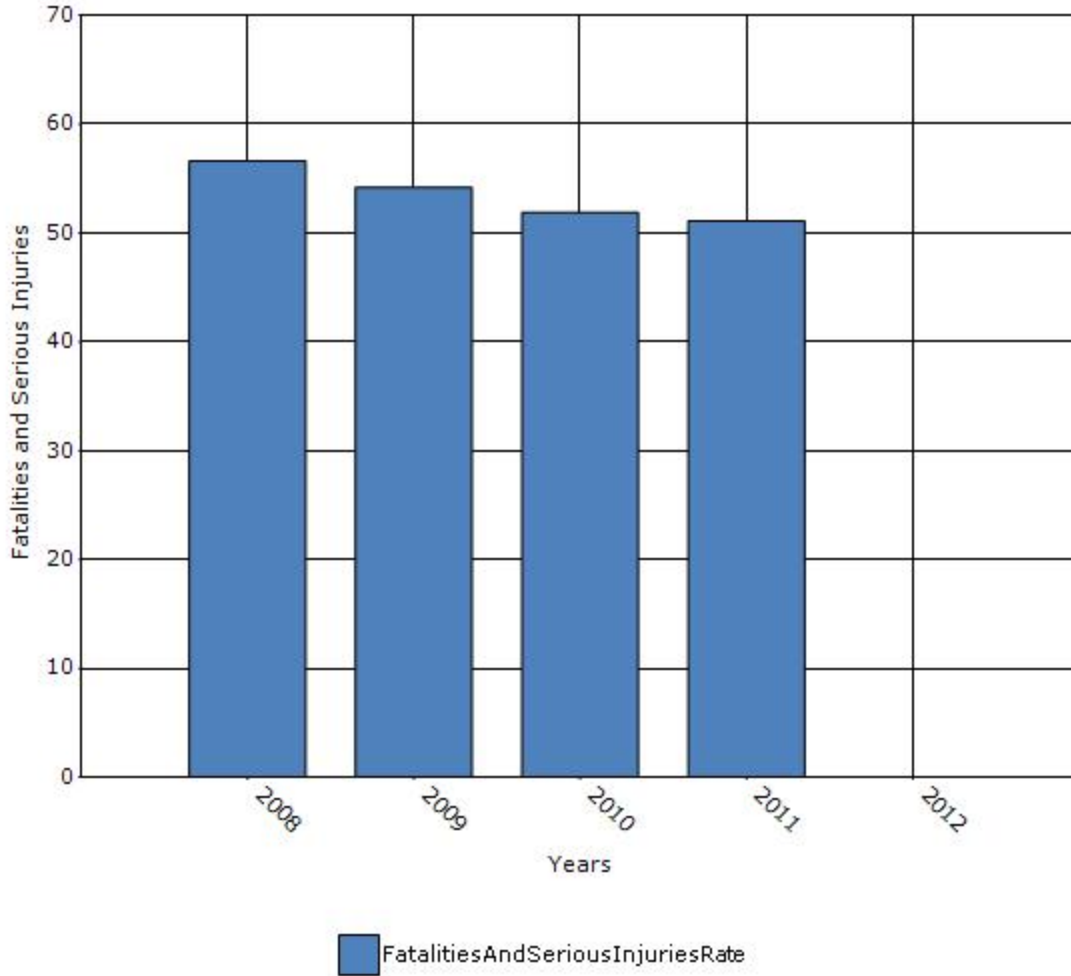
2008

(F+SI 2008 Drivers and Pedestrians 65 years of age and older/2008 Population Figure*) + (F+SI 2007 Drivers and Pedestrians 65 years of age and older /2007 Population Figure) + (F+SI 2006 Drivers and Pedestrians 65 years of age and older/2006 Population Figure) + (F+SI 2005 Drivers and Pedestrians 65 years of age and older/2005 Population Figure) + (F+SI 2004 Drivers and Pedestrians 65 years of age and older/2004 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	F Population Figure
2004	2188	445	2633	166
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

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 Evaluation)

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 should be made on meeting the goals of the SHSP which is a 5% reduction in the fatal and serious injury rate.

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.

The SHSP Emphasis Areas multi-jurisdictional teams are continually meeting to discuss plans addressing their respective area; developing and strengthening subprograms; and working with management to coordinate statewide efforts and initiate projects.

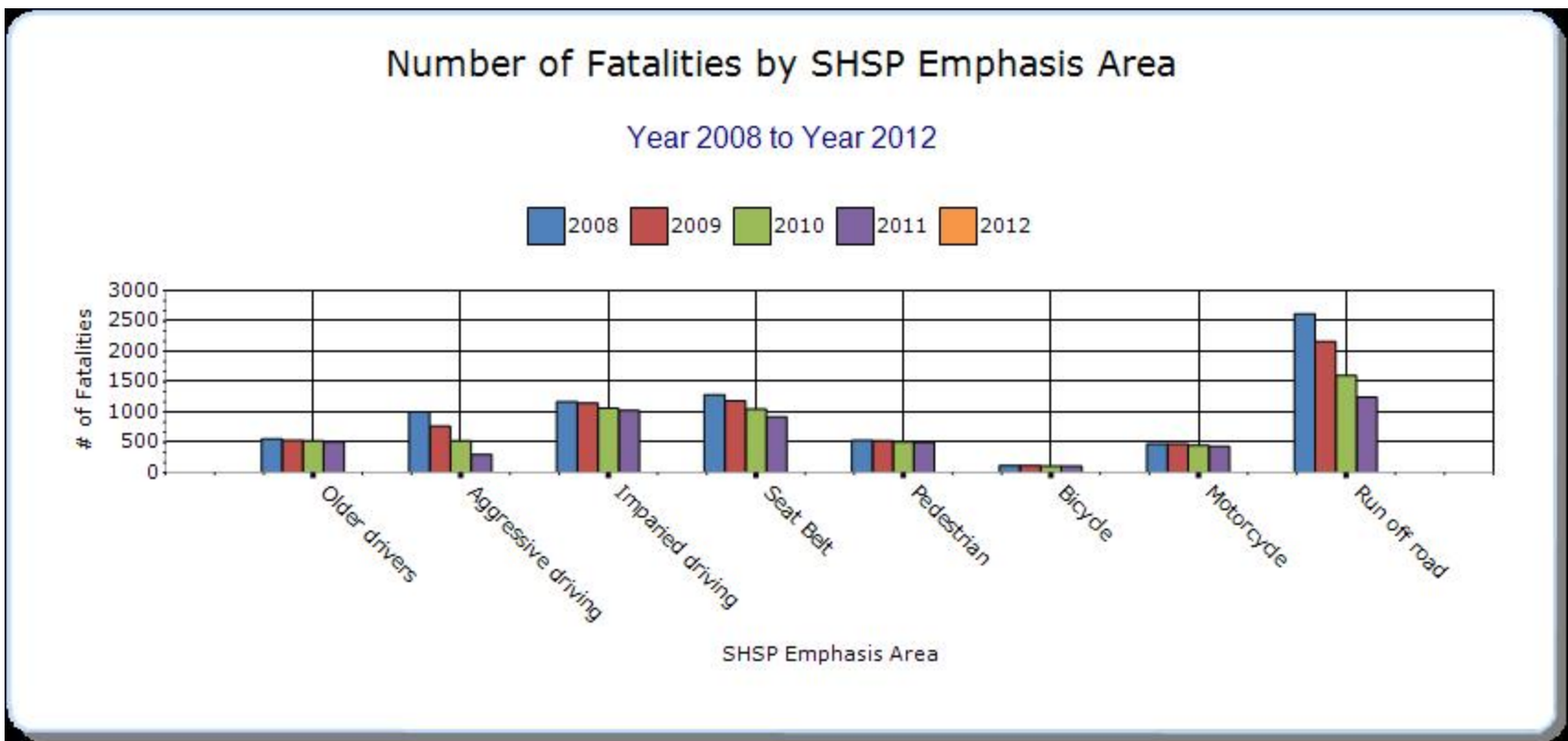
SHSP Emphasis Areas

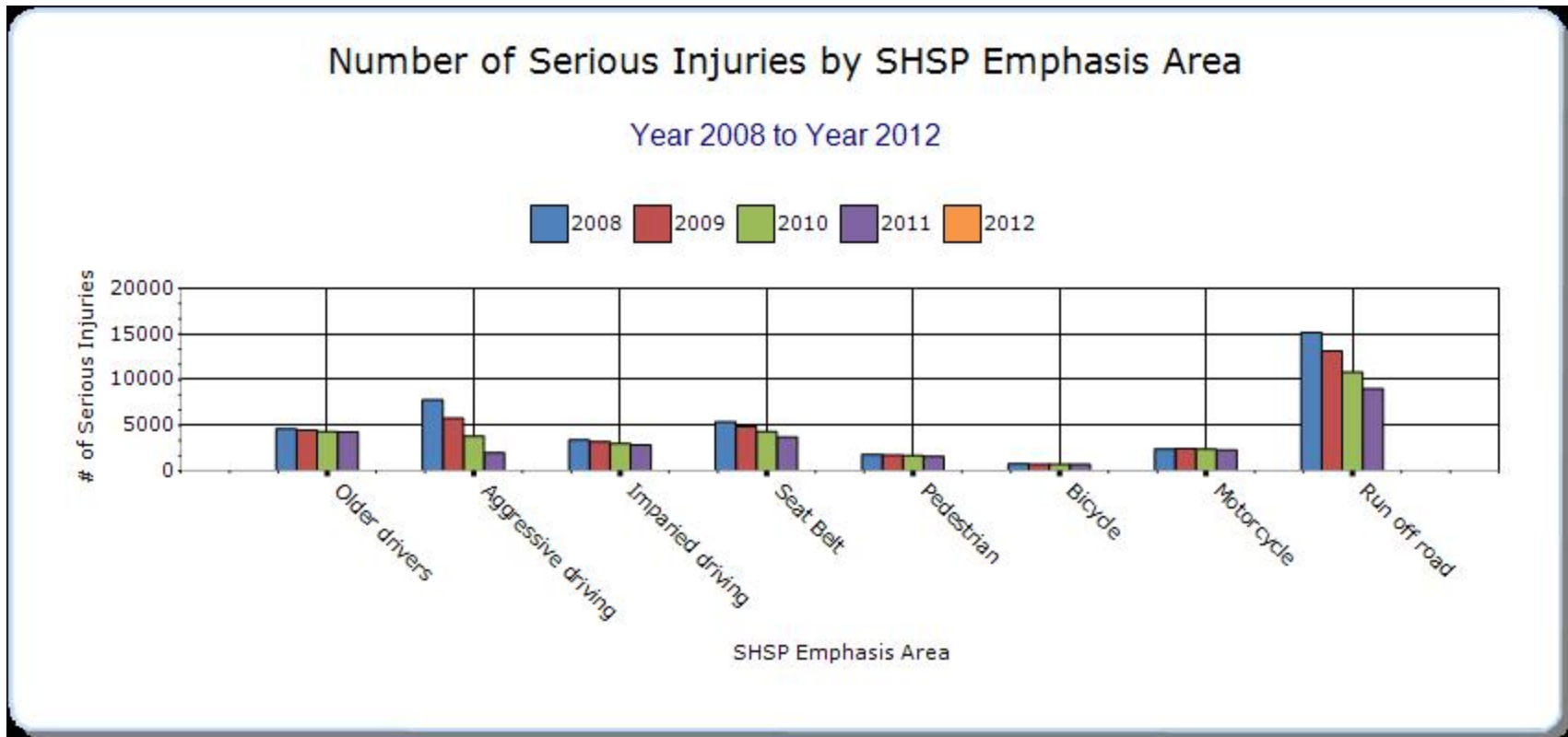
For each SHSP emphasis area that relates to the HSIP, present trends in emphasis area performance measures.

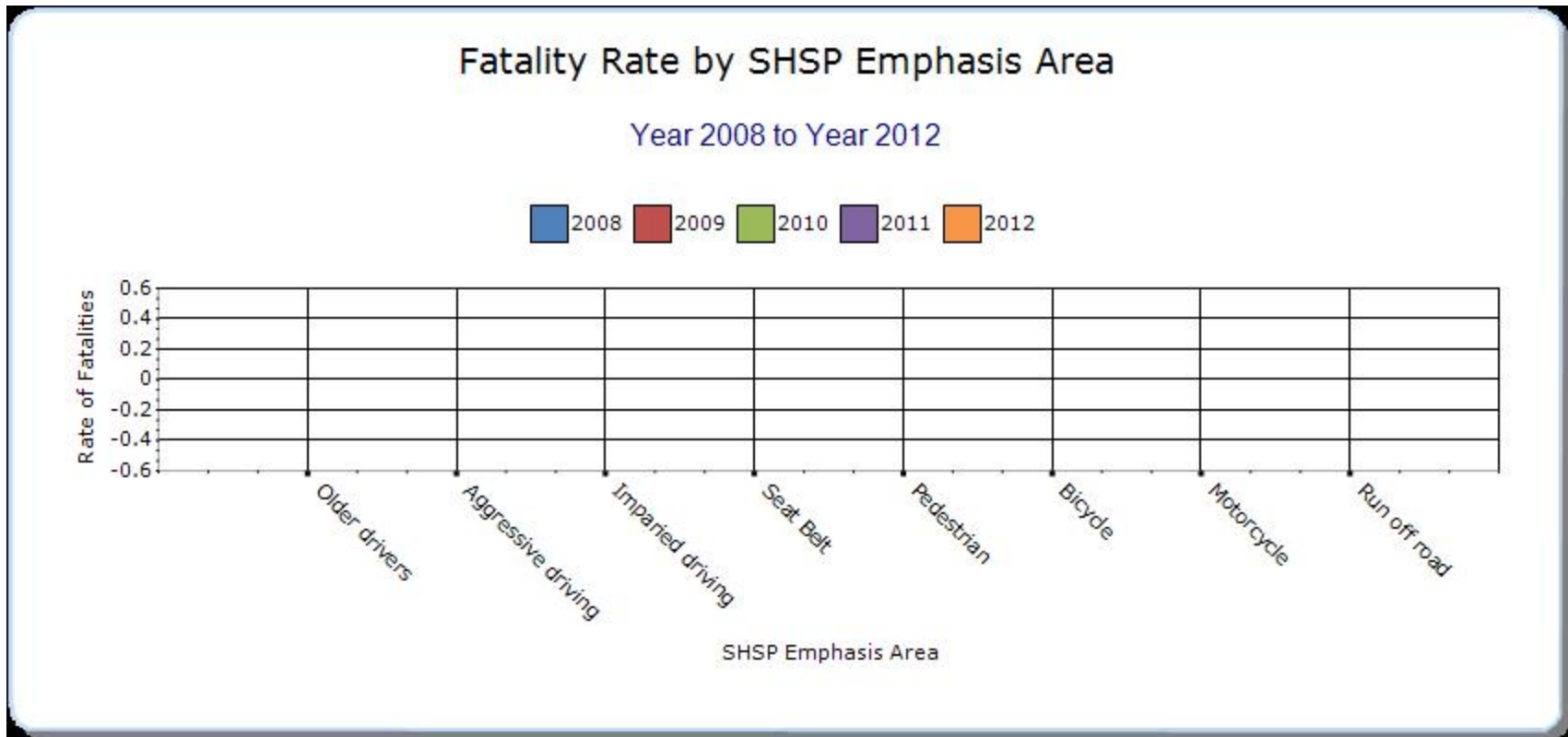
Year - 2012

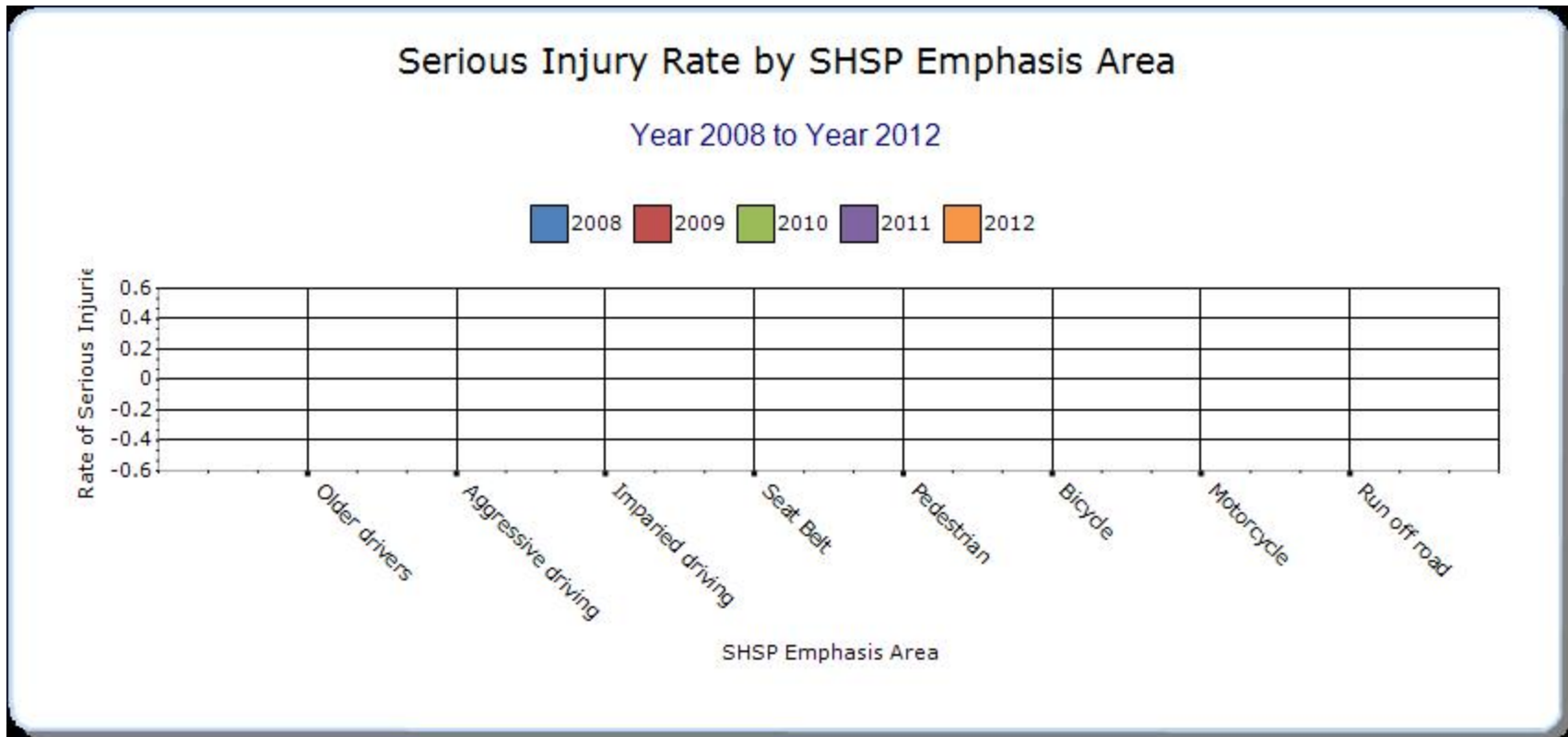
HSIP-related SHSP Emphasis Areas	Target Crash Type	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)	Other-1	Other-2	Other-3
Sustaining proficiency in older drivers		0	0	0	0	0	0	0
Curbing aggressive driving		0	0	0	0	0	0	0
Reducing impaired driving		0	0	0	0	0	0	0
Increasing seat belt use and improving airbag effectiveness		0	0	0	0	0	0	0
Making walking and street crossing easier		0	0	0	0	0	0	0
Ensuring safer bicycle travel		0	0	0	0	0	0	0
Improving motorcycle safety and increasing motorcycle awareness		0	0	0	0	0	0	0
Keeping vehicles in the		0	0	0	0	0	0	0

roadway								
Improving proficiency in teen drivers 15-20		0	0	0	0	0	0	0







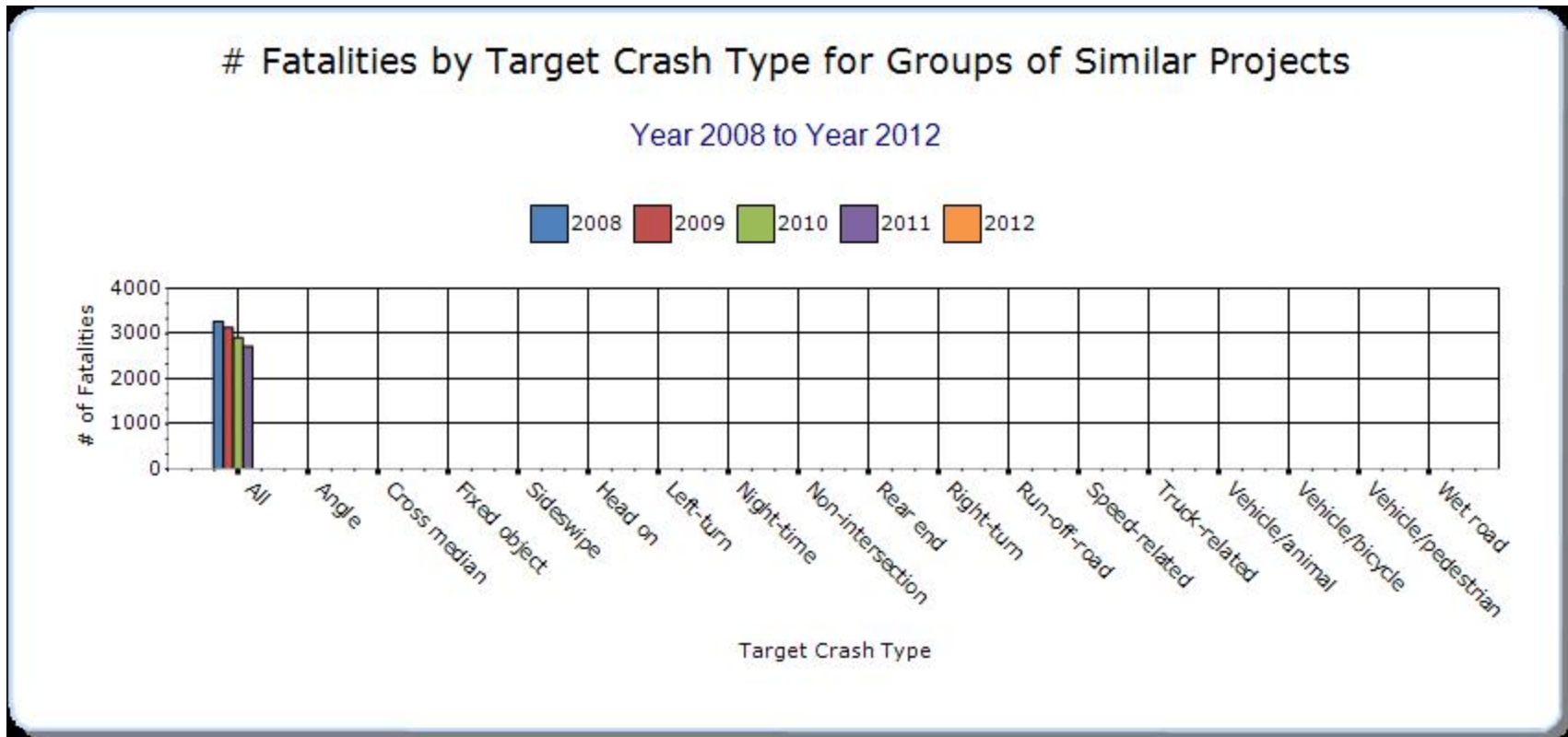


Groups of similar project types

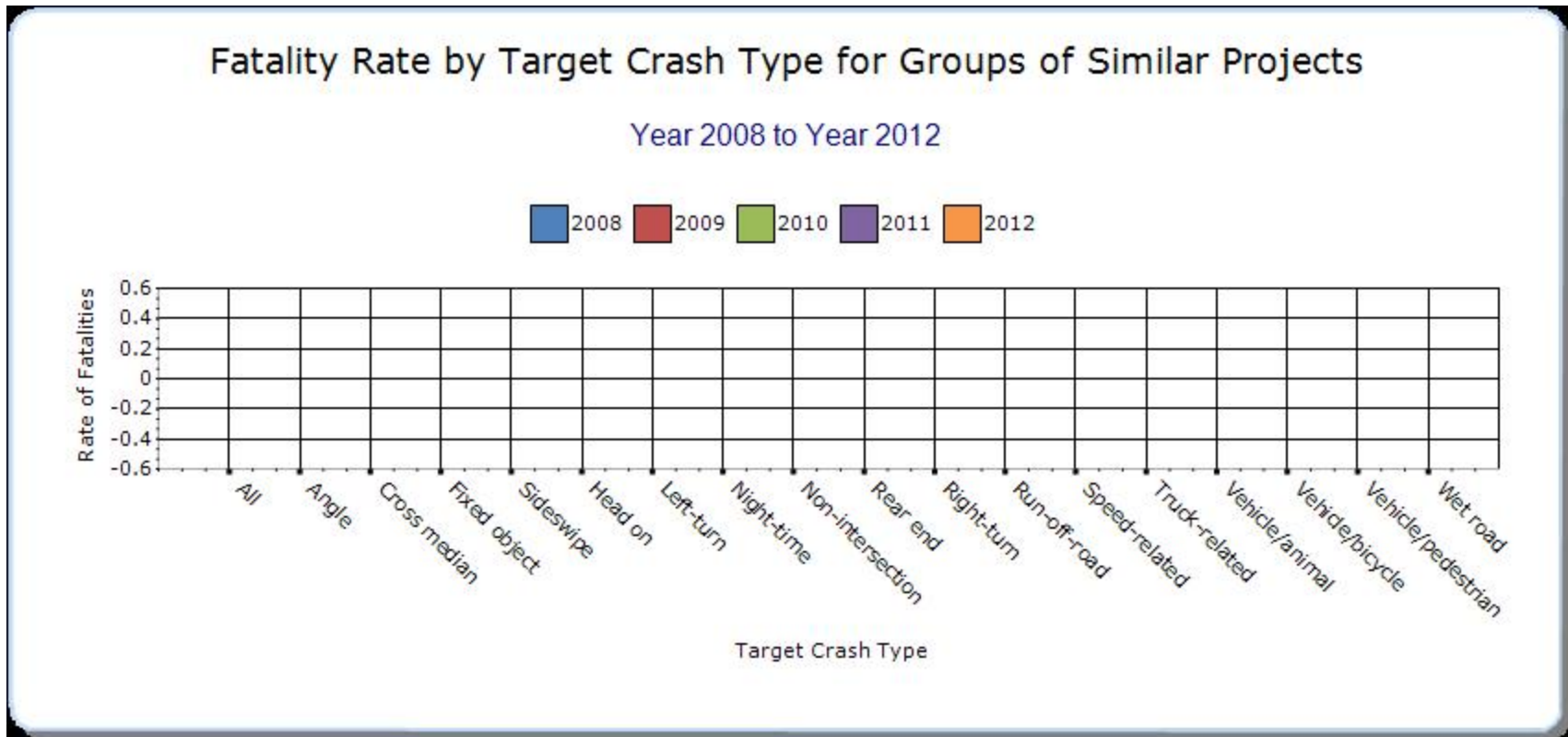
Present the overall effectiveness of groups of similar types of projects.

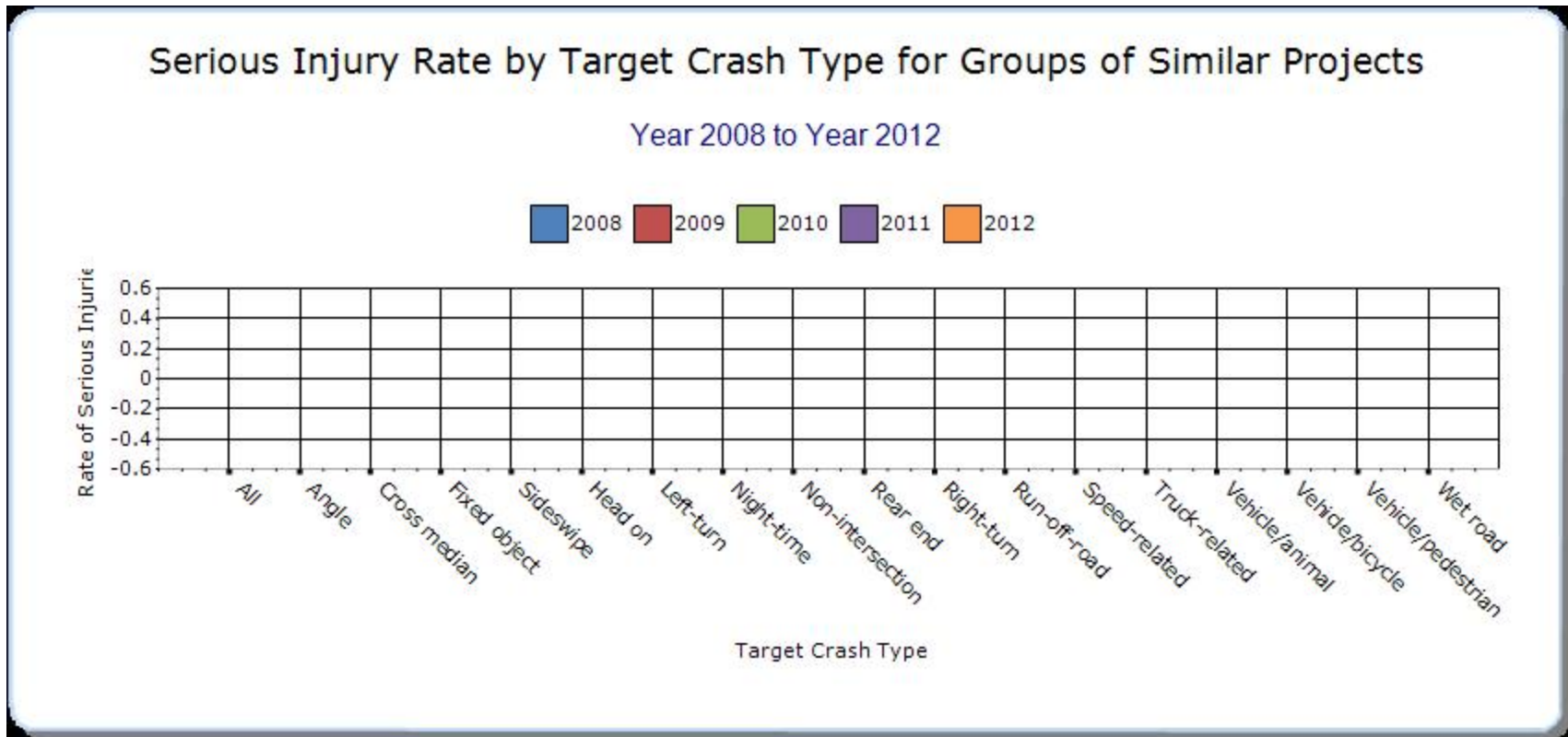
Year - 2012

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
Intersection		0	0	0	0	0	0	0
Segments		0	0	0	0	0	0	0









Systemic Treatments

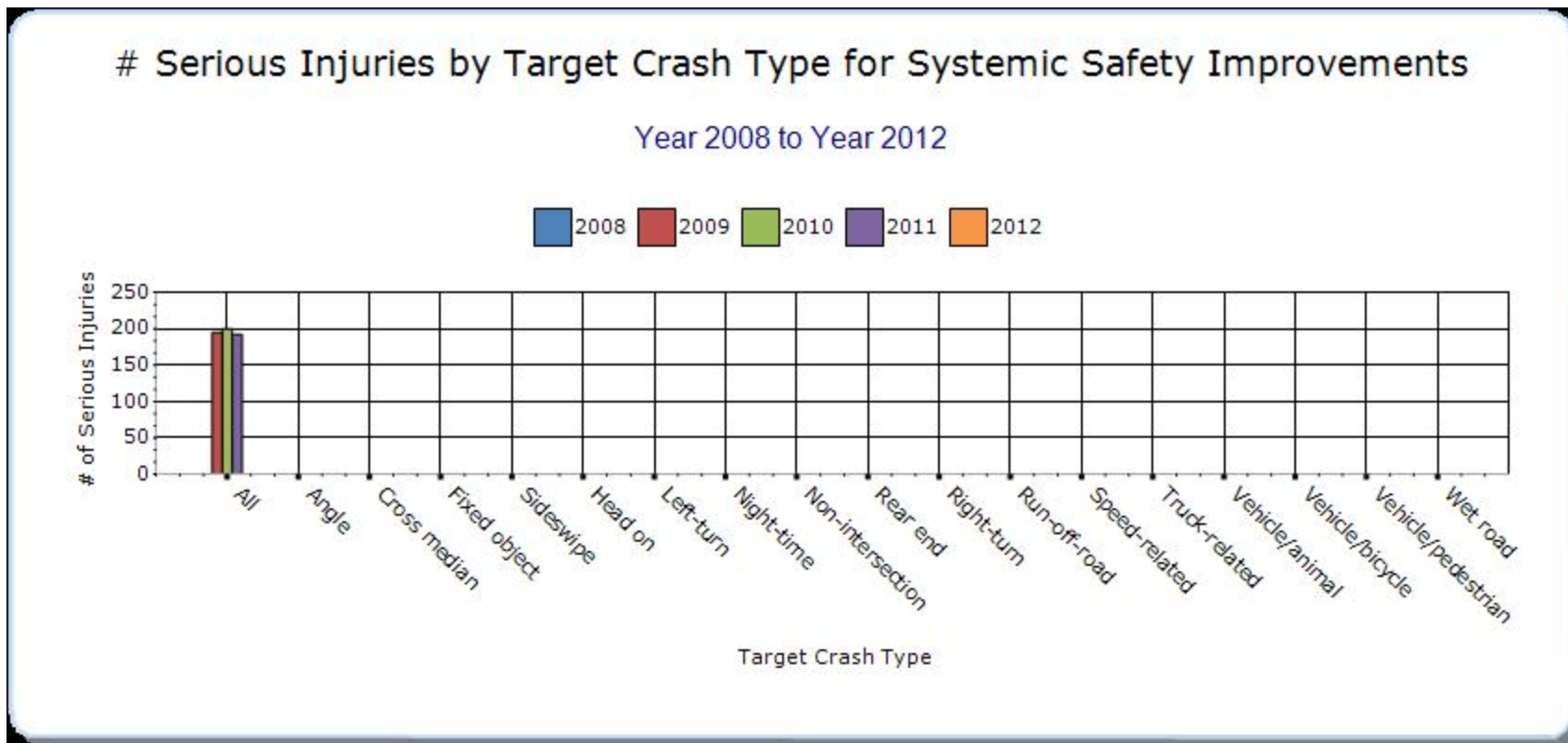
Present the overall effectiveness of systemic treatments..

Year - 2012

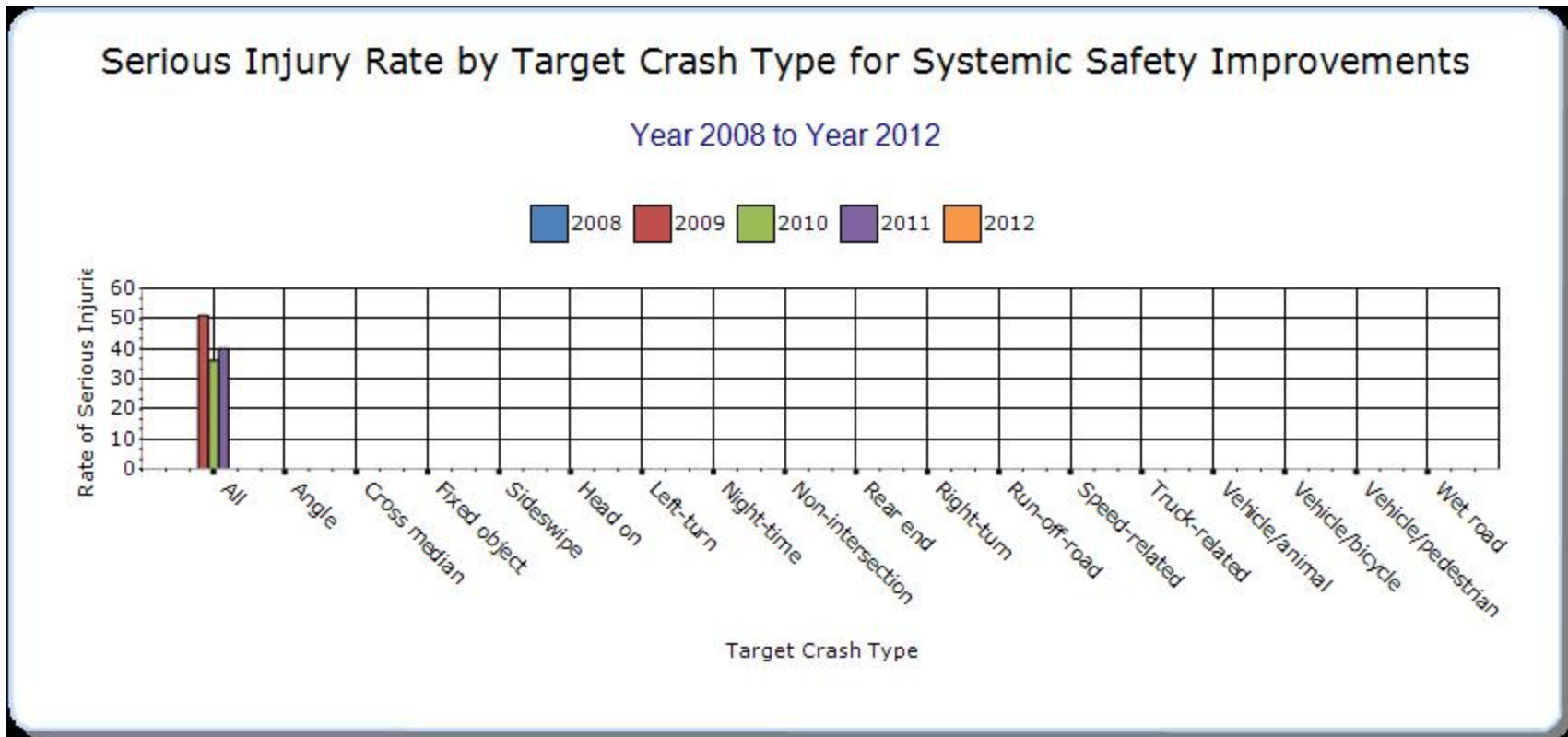
Systemic improvement	Target Crash Type	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)	Other-1	Other-2	Other-3
Other-Existing Crosswalk to High Emphasis Crosswalk		0	0	0	0	0	0	0
Traffic Control Device Rehabilitation		0	0	0	0	0	0	0
Other-Offset left turn lanes		0	0	0	0	0	0	0
Other-Close median , offset lane and construct shoulders		0	0	0	0	0	0	0
Add/Upgrade/Modify/Remove Traffic Signal		0	0	0	0	0	0	0
Install/Improve Lighting		0	0	0	0	0	0	0
Upgrade Guard Rails		0	0	0	0	0	0	0
Install/Improve Pavement Marking and/or Delineation		0	0	0	0	0	0	0
Install/Improve Signing		0	0	0	0	0	0	0
Pavement/Shoulder Widening		0	0	0	0	0	0	0

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

Florida's Highway Safety Improvement Program for 2012 was effectively carried out, and the projects implemented achieved positive results. There was an average reduction of 183 fatalities, and 1,540 serious injuries annually (based on a five year rolling average starting in 2004 and ending in 2011). Also based on the same methodology, there was an average reduction of .08 fatalities, and .71 serious injuries per hundred-million vehicle miles traveled annually. Additionally, the SHSP Emphasis Areas had the following 2011 reduction results based on a five year rolling average:

Emphasis	Fatalities	Serious Injuries
Statewide	7%	7%
Keep vehicles in the proper travel lane	22%	17%
At intersections or influenced by	5%	7%
Aggressive driving	43%	49%
Drivers aged 15-20	13%	13%
Safety belt and child restraint	12%	14%
Drivers aged 65 and older	6%	1%
Alcohol related	3%	6%
Pedestrians and bicyclists	2%	5%
Motorcyclists & passengers	5%	4%

The Department will continue its efforts to exceed its effectiveness and achievements by continuing the significant decline in 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	Urban Principal Arterial - Other	Pedestrians and bicyclists	Install sidewalk	1	27	277	0	305	0	5	73	0	78	
Segment	Rural Major Collector	Shoulder treatments	Pave existing shoulders	4	14	53	0	71	1	1	7	0	9	
Segment	Rural Principal Arterial - Other	Intersection geometry	Auxiliary lanes - add right-turn lane	1	15	75	0	91	0	3	32	0	35	
Segment	Rural Principal Arterial - Other	Intersection geometry	Auxiliary lanes - add right-turn lane	1	15	75	0	91	0	3	32	0	35	
Segment	Rural Minor	Roadway	Roadway widening - add lane(s) along segment	0	0	0	0	0	0	0	0	0	0	

	Collector													
Segment	Other	Roadway signs and traffic control	Roadway signs and traffic control - other	9	36	129	0	174	2	5	18	0	25	
Segment	Other	Shoulder treatments	Shoulder treatments - other	2	13	169	0	184	1	1	34	0	36	
Segment	Other	Access management	Grassed median - extend existing	0	14	30	0	44	0	3	4	0	7	
Segment	Other	Shoulder treatments	Shoulder treatments - other	9	55	272	0	336	0	3	27	0	30	
Segment	Other	Pedestrians and bicyclists	Miscellaneous pedestrians and bicyclists	0	7	31	0	38	0	1	9	0	10	
Segment	Other	Roadway signs and traffic control	Roadway signs and traffic control - other	1	7	44	0	52	0	1	11	0	12	
Segment	Other	Shoulder treatments	Shoulder treatments - other	11	55	271	0	337	0	3	38	0	41	
Segment	Other	Pedestrians and bicyclists	Crosswalk	4	39	211	0	254	2	5	47	0	54	
Segment	Other	Shoulder treatments	Shoulder treatments - other	9	36	129	0	174	2	5	18	0	25	
Segment	Other	Shoulder	Shoulder treatments - other	15	112	803	0	930	0	12	147	0	159	

		treatments												
Segment	Other	Access management	Grassed median - extend existing	0	10	67	0	77	0	0	9	0	9	
Segment	Other	Access management	Grassed median - extend existing	0	1	25	0	26	0	0	0	0	0	
Segment	Other	Access management	Grassed median - extend existing	0	1	31	0	32	0	0	1	0	1	
Segment	Other	Access management	Grassed median - extend existing	11	55	271	0	337	0	3	38	0	41	
Segment	Urban Principal Arterial - Interstate	Roadside	Barrier - concrete	0	0	0	0	0	0	0	0	0	0	
Segment	Urban Major Collector	Intersection traffic control	Intersection signing - add basic advance warning	0	4	98	0	102	0	0	17	0	17	
Segment	Urban Local Road or Street	Lighting	Continuous roadway lighting	5	24	215	0	244	1	1	30	0	32	
Segment	Urban Local Road or Street	Intersection geometry	Auxiliary lanes - add right-turn lane	0	0	0	0	0	0	0	0	0	0	

Segment	Urban Minor Arterial	Intersection geometry	Auxiliary lanes - add right- turn lane	1	10	62	0	73	0	0	9	0	9	
Segment	Urban Principal Arterial - Other	Intersection geometry	Auxiliary lanes - add right- turn lane	1	2	35	0	38	0	0	1	0	1	
Segment	Urban Principal Arterial - Other	Pedestrians and bicyclists	Install sidewalk	1	9	88	0	98	1	5	40	0	46	
Segment	Rural Major Collector	Shoulder treatments	Shoulder treatments - other	12	48	370	0	430	3	9	74	0	86	
Segment	Other	Intersection traffic control	Modify traffic signal - modernization/replacement	1	18	81	0	100	0	1	13	0	14	
Segment	Urban Principal Arterial - Other	Lighting	Intersection lighting	1	10	49	0	60	0	1	8	0	9	
Segment	Urban Minor Arterial	Roadway	Pavement surface - miscellaneous	5	25	131	0	161	0	7	38	0	45	
Segment	Urban	Roadway	Roadway - other	0	3	52	0	55	0	0	2	0	2	

	Major Collector													
Segment	Rural Principal Arterial - Other	Intersection traffic control	Systemic improvements - signal-controlled	0	0	0	0	0	0	0	0	0	0	
Segment	Other	Pedestrians and bicyclists	Install sidewalk	0	0	0	0	0	0	0	0	0	0	
Segment	Urban Principal Arterial - Other	Roadway signs and traffic control	Roadway signs and traffic control - other	6	44	186	0	236	1	7	53	0	61	
Segment	Urban Principal Arterial - Other	Roadway	Pavement surface - miscellaneous	4	93	604	0	701	1	17	113	0	131	
Segment	Rural Minor Arterial	Shoulder treatments	Shoulder treatments - other	4	5	34	0	43	0	1	2	0	3	
Segment	Rural Principal Arterial - Other	Shoulder treatments	Shoulder treatments - other	2	17	35	0	54	0	1	4	0	5	
Segment	Rural	Shoulder	Shoulder treatments - other	1	7	25	0	33	0	0	3	0	3	

	Principal Arterial - Other	treatments												
Segment	Rural Principal Arterial - Other	Shoulder treatments	Shoulder treatments - other	2	13	52	0	67	3	1	4	0	8	
Segment	Urban Principal Arterial - Interstate	Roadway	Pavement surface - high friction surface	1	12	71	0	84	0	0	1	0	1	
Segment	Urban Principal Arterial - Interstate	Roadway	Pavement surface - high friction surface	1	5	41	0	47	0	0	0	0	0	
Segment	Urban Principal Arterial - Other	Roadway	Roadway - other	2	10	65	0	77	0	2	13	0	15	
Segment	Urban Major Collector	Intersection traffic control	Systemic improvements - signal-controlled	1	16	87	0	104	0	2	8	0	10	
Segment	Other	Intersection traffic control	Systemic improvements - signal-controlled	0	1	14	0	15	0	0	1	0	1	

Segment	Urban Principal Arterial - Other	Intersection traffic control	Systemic improvements - signal-controlled	8	18	57	0	83	2	2	9	0	13	
Segment	Urban Minor Arterial	Intersection traffic control	Intersection signing - add basic advance warning	0	10	137	0	147	0	1	26	0	27	
Segment	Urban Minor Arterial	Intersection geometry	Auxiliary lanes - extend existing left-turn lane	0	10	137	0	147	0	1	26	0	27	
Segment	Urban Principal Arterial - Other	Roadway	Roadway - other	0	2	69	0	71	0	0	7	0	7	
Segment	Urban Minor Arterial	Intersection traffic control	Modify traffic signal - add backplates	1	7	121	0	129	0	2	14	0	16	
Segment	Urban Major Collector	Intersection traffic control	Intersection signing - add basic advance warning	0	7	92	0	99	1	0	16	0	17	
Segment	Other	Pedestrians and bicyclists	Install sidewalk	0	0	0	0	0	0	0	0	0	0	
Segment	Other	Pedestrians and bicyclists	Install sidewalk	0	0	0	0	0	0	0	0	0	0	

Segment	Urban Major Collector	Shoulder treatments	Pave existing shoulders	0	0	0	0	0	0	0	0	0	0	
Segment	Other	Miscellaneous		0	0	0	0	0	0	0	0	0	0	
Segment	Rural Local Road or Street	Shoulder treatments	Shoulder treatments - other	4	29	147	0	180	1	6	25	0	32	
Segment	Urban Principal Arterial - Other	Pedestrians and bicyclists	Install sidewalk	0	1	14	0	15	0	0	9	0	9	
Segment	Urban Minor Arterial	Access management	Median crossover - directional crossover	0	2	27	0	29	0	0	4	0	4	
Segment	Rural Major Collector	Shoulder treatments	Shoulder treatments - other	6	39	127	0	172	1	8	15	0	24	
Segment	Rural Major Collector	Shoulder treatments	Shoulder treatments - other	6	26	73	0	105	0	3	4	0	7	
Segment	Urban Principal Arterial - Other	Intersection traffic control	Systemic improvements - signal-controlled	0	2	31	0	33	0	5	15	0	20	

Segment	Rural Local Road or Street	Roadway	Roadway widening - add lane(s) along segment	0	0	0	0	0	0	0	0	0	0	
Segment	Urban Major Collector	Miscellaneous		0	0	0	0	0	0	0	0	0	0	
Segment	Urban Principal Arterial - Interstate	Roadside	Barrier- metal	2	31	163	0	196	0	9	25	0	34	
Segment	Urban Principal Arterial - Interstate	Roadside	Barrier- metal	4	79	405	0	488	0	14	66	0	80	
Segment	Other	Pedestrians and bicyclists	Install sidewalk	0	0	0	0	0	0	0	0	0	0	
Segment	Urban Major Collector	Intersection traffic control	Modify traffic signal - add backplates	0	3	52	0	55	0	0	3	0	3	

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.