



Highway Safety Improvement Program
Data Driven Decisions

Texas
Highway Safety Improvement Program
2015 Annual Report

Prepared by: TX

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

The Highway Safety Improvement Program (HSIP), created under 23 USC § 148, is a federal safety construction program designed to reduce the number and severity of traffic crashes. The program objectives are accomplished through "highway safety projects".

HSIP safety projects are generally focused on the following types of work:

*Curve Improvements

*Grade Separations

*Intersection Improvements

*Rumble Strips

*Off-System Improvements

*Widening Highways

Other types of highway safety projects may include safety treating fixed objects in the right-of-way, installing median barriers, safety lighting, etc.

The HSIP is administered by the Texas Department of Transportation, Traffic Operations Division (TRF). TRF requests proposed highway safety projects from districts through a statewide program call on an annual basis.

These projects may range from spot safety improvements and upgrading existing conditions to new roadway construction (such as grade separations). Typically highway safety projects are small in scope, low in cost, and can be let to contract within 3 years.

Project Selection

All eligible proposed highway safety projects are subjected to a benefit/cost analysis. The formula used for this purpose is the Safety Improvement Index (SII).

In its most basic form, the SII is the ratio of the cost of crashes that have occurred at a location to the cost of constructing the proposed improvement.

Funding Limitations

Approximately, 20 to 30% of eligible project proposals are funded each program year.

Fiscal Year

The Texas State Fiscal Year is September 1 - August 31.

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.

Local roads receive the same consideration as roads on the state highway system. They are subjected to the same cost/benefit analysis.

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.

1. TRF (Central) - Using the most current Strategic Highway Safety Plan (SHSP), the program safety emphasis areas are identified.
2. TRF (Central) - Identifies potential project locations that qualify for improvements in the identified program emphasis area using the three most current years of crash data.
3. District (Design/Operations) - Evaluates each identified location to determine if the project is feasible and to verify that appropriate countermeasures addressing the location's safety needs have not already been implemented or scheduled for construction.
4. District (Design/Operations) - Works with area offices and local governments to gather additional location information and to identify any potential locations that may have been excluded due to incomplete or inaccurate crash and roadway data.
5. District (Design/Operations) - For projects determined to be feasible, conducts a field evaluation to determine the appropriate countermeasure and develop a detailed estimate.
6. District (Design/Operations) - Completes and submits projects containing requested data to the Texas Department of Transportation (TxDOT) Traffic Operations Division (TRF) along with necessary backup data (typical sections, layouts, etc.) in response to the program call.
7. TRF (Central) - Analyzes the proposed highway safety projects for HSIP eligibility, data accuracy, and conformance with design standards.
8. TRF (Central) - Analyzes each eligible project's Safety Improvement Index (SII), then puts the projects into priority order based on the results.

9. TRF (Central) - Places projects in the HSIP according to priority and appropriated federal funding, then sends listing of highway safety projects selected for funding in the HSIP to the districts.
10. District (Planning) - Sets projects up in the Design/Construction Information System (DCIS) in the assigned work program and may include qualifying projects in the Transportation Improvement Program (TIP) as appropriate.
11. District (Design/Operations) - Notifies TRF of an overrun of a HSIP project's authorized funds prior to Plans, Specifications and Estimate (PS&E) submittal.
12. District (Design/Operations) - Submits PS&E for HSIP projects to TRF in accordance with standard PS&E submission schedule.
13. TRF (Central) - Handles overruns of project authorized funds at the divisional PS&E review stage in accordance with the current TxDOT policy.

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

- Metropolitan Planning Organizations
- Governors Highway Safety Office
- Local Government Association
- Other:

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-No change

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

We do not have anything on which to elaborate.

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: Other-No subprograms under HSIP

Program: Other-No subprograms under HSIP

Date of Program Methodology: 9/1/2014

What data types were used in the program methodology?

- | | | |
|--------------------------------------|----------------------------------|---------------------------------------|
| <i>Crashes</i> | <i>Exposure</i> | <i>Roadway</i> |
| <input type="checkbox"/> All crashes | <input type="checkbox"/> Traffic | <input type="checkbox"/> Median width |

- | | | |
|---|--|--|
| <input type="checkbox"/> Fatal crashes only | <input checked="" type="checkbox"/> Volume | <input type="checkbox"/> 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 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

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 1

Available funding 2

Incremental B/C

Ranking based on net benefit

Other

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

0

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 type="checkbox"/> Traffic Control Device Rehabilitation | <input type="checkbox"/> Pavement/Shoulder Widening |
| <input type="checkbox"/> Install/Improve Signing | <input 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 type="checkbox"/> Add/Upgrade/Modify/Remove Traffic Signal | <input type="checkbox"/> Other |

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-No change

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

Texas is in the process of implementing a systemic safety program to reduce the number and severity of crashes on Texas roads. Texas uses the Federal Highway Administration (FHWA) guidelines for a systemic approach to safety by:

- Evaluating crash data to determine critical crash type and focus area,
- Calculating the risk factors for different roadway characteristics related to the crash type and focus area,
- Selecting a low cost engineering countermeasure to address the crash type and focus area for roadways with high risk roadway characteristics,
- Prioritizing the roadways with high risk roadway characteristics and developing a plan to implement the low cost engineering countermeasure

The Texas systemic safety program focuses on three of the critical crash types that have been identified in the Texas Strategic Highway Safety Plan (SHSP) which are run-off the road, intersection and head-on crashes.

Intersection Safety Improvement Plan

The North Central Texas Council of Governments (NCTCOG) conducted the first systemic safety study in Texas. NCTCOG worked with the FHWA to conduct an Intersection Safety Improvement Plan (ISIP), which identified low cost countermeasures at urban intersections in the Dallas-Fort Worth region.

The Texas Department of Transportation (TxDOT) is currently working with the FHWA to expand the ISIP to the other urban regions in Texas. The Texas ISIP is expected to be completed this year.

Systemic Widening Program

Texas has developed a Systemic Widening Program (SSWP) which provides additional paved surface width on highways that have an existing width less than 24 feet on rural highways with high risk factors relating to traffic volumes, lane configuration, truck traffic and roadway alignment.

All eligible proposed SSWP highway widening projects were evaluated using a total risk factor weight for roadway characteristics. Some of the roadway characteristics considered include paved surface width, average daily traffic, roadway alignment and truck percentages. A statewide assessment of fatal and incapacitating crash types was performed for the associated roadway characteristics. Risk factor weights were calculated using the total crashes and the crash over-representation of each element. The SSWP is 100% state funded.

Future Systemic Safety Programs in Texas

Texas is in the process of conducting a Systemic Barrier program which will provide concrete or cable median barriers on highways that have high risk factors relating to traffic volumes, truck traffic and median widths.

Texas is also considering Systemic Rumble Strip and Systemic Curve Improvement programs to reduce the number and severity of run-off the road and head-on crashes.

Texas would like to expand the systemic safety program to local city and county governments. Texas plans to work with the Lone Star Local Technical Assistance Program (Lone Star LTAP) to share the procedures and data necessary to conduct a systemic safety analysis.

Texas currently does not fund any systemic improvements in the Highway Safety Improvement Program (HSIP), but is working towards programming systemic improvements in the HSIP.

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)	201000000	100 %	251332184	98 %
HRRRP (SAFETEA-LU)	0	0 %	5500632	2 %
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	201000000	100%	256832816	100%
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How much funding is programmed to local (non-state owned and maintained) safety projects?

\$12,601,164.00

How much funding is obligated to local safety projects?

\$1,547,141.00

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

\$0.00

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

\$6,000,000.00

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.

We do not have any impediments to obligating our HSIP funds at this time. Our Administration is supportive of the program and provides us with appropriate obligation authority.

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

We do not have anything on which to elaborate.

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
STP 2015(720)HES	Lighting Intersection lighting	1 Numbers	99550	99550	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	5428	65	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructio

											ns.
STP 2015(790)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	201203 7	201203 7	HSIP (Section 148)	Rural Major Collector	412	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(791)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	671964	671964	HSIP (Section 148)	Rural Major Collector	1053	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during

											road departures .
STP 2015(792)HE S	Shoulder treatments Widen shoulder - paved or other	3 Miles	941310	941310	HSIP (Section 148)	Rural Major Collector	799	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(296)HE S	Shoulder treatments Widen shoulder - paved or other	9 Miles	5080558	5080558	HSIP (Section 148)	Rural Minor Collector	1428	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the

											road during road departures .
STP 1502(297)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	108950 5	108950 5	HSIP (Section 148)	Rural Major Collector	132	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(298)HE S	Shoulder treatments Widen shoulder - paved or other	3 Miles	347606 5	347606 5	HSIP (Section 148)	Rural Major Collector	4041	75	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the

											"forgiveness" of the road during road departures .
STP 1502(299)HS	Shoulder treatments Widen shoulder - paved or other	8 Miles	3015169	4431472	HSIP (Section 148)	Rural Major Collector	2090	75	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(226)HS	Roadway Pavement surface - high friction surface	10 Miles	1879324	1879324	HSIP (Section 148)	Rural Major Collector	973	55	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on

											crash experience . Treatments might include increased use of chevron signs, use of speed activated curve warnings and LED curve displays, and high friction surface treatment.
STP 1502(225)HS	Shoulder treatments Widen shoulder - paved or other	8 Miles	1008897	1008897	HSIP (Section 148)	Rural Major Collector	113	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the

											"forgiveness" of the road during road departures .
STP 1502(227)HE S	Roadway Pavement surface - high friction surface	11 Miles	190482 3	190482 3	HSIP (Section 148)	Rural Minor Collector	317	55	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include increased use of chevron signs, use of speed activated curve warnings and LED curve

											displays, and high friction surface treatment.
STP 1502(231)HE S	Shoulder treatments Widen shoulder - paved or other	5 Miles	1655300	1655300	HSIP (Section 148)	Rural Minor Arterial	2440	65	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(232)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	1301346	1301346	HSIP (Section 148)	Rural Minor Collector	688	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the

											"forgiveness" of the road during road departures .
STP 1502(229)HS	Shoulder treatments Widen shoulder - paved or other	2 Miles	727007	727007	HSIP (Section 148)	Rural Major Collector	673	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(233)HS	Roadway Roadway widening - add lane(s) along	2 Miles	700686	700686	HSIP (Section 148)	Rural Major Collector	11261	65	State Highway Agency	Lane Departure	Widen roadways to increase control and recovery

	segment										areas.
STP 1502(230)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	102326 4	102326 4	HSIP (Section 148)	Rural Major Collector	3813	65	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(512)HE S & STP 1502(513)HE S	Roadway Roadway widening - add lane(s) along segment	1 Miles	117701	117701	HSIP (Section 148)	Rural Principal Arterial - Other	12603	45	State Highway Agency	Lane Departure	Widen roadways to increase control and recovery areas.
STP 1502(310)HE S	Shoulder treatments Widen shoulder -	1 Miles	920045	920045	HSIP (Section 148)	Rural Minor Collector	1171	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders

	paved or other										on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(143)HE S	Roadway Roadway widening - add lane(s) along segment	3 Miles	178892 1	178892 1	HSIP (Section 148)	Rural Minor Arterial	7344	75	State Highway Agency	Lane Departure	Install passing lanes.
STP 1502(151)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	141899 9	141899 9	HSIP (Section 148)	Rural Minor Collector	620	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road

											during road departures .
STP 1502(242)HE S & STP 1502(243)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	3051355	3051355	HSIP (Section 148)	Rural Major Collector	185	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(500)HE S & STP 1502(437)HE S	Shoulder treatments Widen shoulder - paved or other	13 Miles	4299960	4299960	HSIP (Section 148)	Rural Major Collector	380	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness

											s" of the road during road departures .
STP 2015(895)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	747427	747427	HSIP (Section 148)	Rural Major Collector	328	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(153)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	2960534	2960534	HSIP (Section 148)	Rural Minor Collector	2736	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase

											the "forgiveness" of the road during road departures .
STP 1502(152)HE S	Shoulder treatments Widen shoulder - paved or other	7 Miles	260299 3	260299 3	HSIP (Section 148)	Rural Major Collector	737	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(150)HE S	Shoulder treatments Widen shoulder - paved or	9 Miles	171438 6	171438 6	HSIP (Section 148)	Rural Major Collector	3043	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM

	other										roads to increase the "forgiveness" of the road during road departures .
STP 1502(074)HE S	Shoulder treatments Widen shoulder - paved or other	1 Miles	686680	686680	HSIP (Section 148)	Rural Major Collector	456	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(442)HE	Roadway Roadway widening -	5 Miles	283032 4	283032 4	HSIP (Section	Rural Major	4013	70	State Highway	Lane Departure	Install passing

S	add lane(s) along segment				148)	Collector			Agency		lanes.
STP 1502(244)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	106419 1	106419 1	HSIP (Section 148)	Rural Major Collector	3844	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(245)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	116869 3	116869 3	HSIP (Section 148)	Rural Major Collector	1084	65	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the

											road during road departures
STP 1502(032)HE S, STP 1502(033)HE S, STP 2015(777)HE S & STP 2015(776)HE S	Roadway Roadway widening - travel lanes	8 Miles	251478 8	251478 8	HSIP (Section 148)	Rural Principal Arterial - Interstate	12270 8	75	State Highway Agency	Roadway Departure	Install more pavement width to allow edge lines
STP 2015(773)HE S, STP 2015(771)HE S, STP 2015(772)HE S & STP 1502(068)HE S	Roadway Roadway widening - travel lanes	9 Miles	354602 9	354602 9	HSIP (Section 148)	Rural Principal Arterial - Interstate	24819	75	State Highway Agency	Roadway Departure	Install more pavement width to allow edge lines
STP 1502(432)HE S	Roadway Roadway widening - add lane(s) along	16 Miles	207117 3	207117 3	HSIP (Section 148)	Rural Major Collector	2191	75	State Highway Agency	Lane Departure	Install passing lanes.

	segment										
STP 1502(241)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	199604 3	199604 3	HSIP (Section 148)	Rural Major Collector	344	55	State Highway Agency	Roadway Departure	Install more pavement width to allow edge lines
STP 1502(429)HE S, STP 1502(430)HE S, STP 1502(431)HE S	Roadway Roadway widening - add lane(s) along segment	19 Miles	204245 9	204245 9	HSIP (Section 148)	Rural Minor Arterial	7164	75	State Highway Agency	Lane Departure	Install passing lanes.
STP 1502(575)HE S & STP 1502(577)HE S	Roadway Roadway widening - add lane(s) along segment	25 Miles	720787 3	720787 3	HSIP (Section 148)	Rural Major Collector	12601	70	State Highway Agency	Lane Departure	Install passing lanes.
STP 1502(394)HE S	Roadside Barrier-metal	4 Miles	128944 4	128944 4	HSIP (Section 148)	Rural Minor Collector	1934	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect

											culverts or remediate risks by other means.
STP 1502(370)HE S	Roadway Roadway widening - add lane(s) along segment	15 Miles	201663 7	201663 7	HSIP (Section 148)	Rural Principal Arterial - Other	1888	75	State Highway Agency	Lane Departure	Install passing lanes.
STP 1502(371)HE S	Roadway Roadway widening - add lane(s) along segment	16 Miles	110457 8	110457 8	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	1725	75	State Highway Agency	Lane Departure	Install passing lanes.
STP 1502(545)HE S	Shoulder treatments Widen shoulder - paved or other	9 Miles	828279 7	828279 7	HSIP (Section 148)	Urban Minor Arterial	1381	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the

											"forgiveness" of the road during road departures .
STP 1502(547)HES	Shoulder treatments Widen shoulder - paved or other	7 Miles	814666 2	814666 2	HSIP (Section 148)	Urban Principal Arterial - Other	7472	50	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(548)HES	Shoulder treatments Widen shoulder - paved or	4 Miles	395180 7	395180 7	HSIP (Section 148)	Urban Minor Collector	3237	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to

	other										increase the "forgiveness" of the road during road departures .
STP 1502(541)HE S	Roadway Pavement surface - high friction surface	1 Miles	659227 1	659227 1	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	5341	75	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include increased use of chevron signs, use of speed activated curve warnings

											and LED curve displays, and high friction surface treatment.
STP 1502(606)HE S	Shoulder treatments Widen shoulder - paved or other	10 Miles	101985 41	101985 41	HSIP (Section 148)	Urban Minor Collector	38542	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(767)HE S	Shoulder treatments Widen shoulder - paved or	1 Miles	785899	785899	HSIP (Section 148)	Urban Minor Arterial	5888	75	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to

	other										increase the "forgiveness" of the road during road departures .
STP 1502(459)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	3634869	3634869	HSIP (Section 148)	Rural Major Collector	453	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2013(519)HE S	Shoulder treatments Widen shoulder -	2 Miles	1021896	1021896	HSIP (Section 148)	Rural Major Collector	1255	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders

	paved or other										on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(455)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	2173204	3036840	HSIP (Section 148)	Rural Minor Collector	5063	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(458)HE	Shoulder treatments	8 Miles	239585	300720	HSIP (Section	Rural Minor	353	60	State Highway	Roadway	Increase the use of

S	Widen shoulder - paved or other		4	4	148)	Collector			Agency	Departure	paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(255)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	65602	65602	HSIP (Section 148)	Rural Minor Arterial	5055	75	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 2015(899)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Miles	298953	298953	HSIP (Section 148)	Urban Principal Arterial - Other	16850	75	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural

											roads.
STP 1502(211)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Miles	454143	454143	HSIP (Section 148)	Rural Principal Arterial - Other	27521	65	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(550)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Miles	450927	450927	HSIP (Section 148)	Rural Principal Arterial - Other	4186	70	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(551)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	345019	345019	HSIP (Section 148)	Rural Principal Arterial - Other	4186	70	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(267)HE S	Intersection geometry	1 Number	379385	379385	HSIP (Section 148)	Urban Principal	7655	55	State Highway Agency	Intersections	Add more turn bays

S	Auxiliary lanes - add left-turn lane	rs			148)	Arterial - Other			Agency	ns	and acceleration lanes on high-speed rural roads.
STP 1502(278)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	2348774	2348774	HSIP (Section 148)	Rural Major Collector	1214	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(283)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	1828896	1828896	HSIP (Section 148)	Rural Major Collector	3553	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase

											the "forgiveness" of the road during road departures .
STP 1502(279)HE S	Shoulder treatments Widen shoulder - paved or other	5 Miles	2795780	2795780	HSIP (Section 148)	Rural Major Collector	1937	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(280)HE S	Shoulder treatments Widen shoulder - paved or	3 Miles	2354944	2354944	HSIP (Section 148)	Rural Major Collector	2309	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM

	other										roads to increase the "forgiveness" of the road during road departures .
STP 1502(282)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	1250437	1250437	HSIP (Section 148)	Rural Major Collector	3531	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(286)HE	Shoulder treatments Widen	4 Miles	2252223	2252223	HSIP (Section	Rural Major	961	60	State Highway	Roadway Departure	Increase the use of paved

S	shoulder - paved or other				148)	Collector			Agency		shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(281)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	3 Miles	6661253	6661253	HSIP (Section 148)	Rural Principal Arterial - Other	24041	70	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(565)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	3 Miles	2000000	2346791	HSIP (Section 148)	Rural Minor Arterial	2248	75	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural

											roads.
STP 1502(100)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	122560 6	122560 6	HSIP (Section 148)	Rural Major Collector	1330	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(099)HE S	Shoulder treatments Widen shoulder - paved or other	7 Miles	121564 2	121564 2	HSIP (Section 148)	Rural Major Collector	391	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during

											road departures .
STP 1502(101)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	100576 5	100576 5	HSIP (Section 148)	Rural Major Collector	4744	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(098)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	171922 3	171922 3	HSIP (Section 148)	Rural Major Collector	2592	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the

											road during road departures .
STP 1502(477)HE S	Roadside Barrier-metal	8 Miles	517003 8	517003 8	HSIP (Section 148)	Rural Major Collector	2833	65	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(457)HE S, STP 2015(458)HE S, STP 2015(459)HE S, STP 2015(460)HE S & STP 2015(461)HE S	Roadside Barrier-metal	53 Miles	435294 2	552951 2	HSIP (Section 148)	Rural Principal Arterial - Interstate	86611	75	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.

<p>STP 1502(221)HE S & STP 1502(222)HE S</p>	<p>Intersection traffic control Modify traffic signal - add flashing yellow arrow</p>	<p>7 Miles</p>	<p>190935</p>	<p>190935</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Other</p>	<p>22634</p>	<p>75</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advance warning at intersections through the use of signing, flashing beacons or transverse rumble strips.</p>
<p>STP 1502(220)HE S</p>	<p>Intersection traffic control Modify traffic signal - add flashing yellow arrow</p>	<p>1 Numbers</p>	<p>50630</p>	<p>50630</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Other</p>	<p>11763</p>	<p>75</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advance warning at intersections through the use of signing, flashing beacons or transverse rumble strips.</p>
<p>STP 1502(223)HE S</p>	<p>Intersection traffic control Modify</p>	<p>2 Miles</p>	<p>77250</p>	<p>77250</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial -</p>	<p>16888</p>	<p>55</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advance warning at intersection</p>

	traffic signal - add flashing yellow arrow					Other					ns through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(219)HE S	Intersection traffic control Modify traffic signal - add flashing yellow arrow	5 Miles	169965	169965	HSIP (Section 148)	Urban Principal Arterial - Other	5531	55	State Highway Agency	Intersectio ns	Enhance advance warning at intersectio ns through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(589)HE S & STP 1502(590)HE S	Roadside Barrier - other	1 Miles	589505	589505	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expresswa	68388	55	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.

						ys					
STP 1502(416)HE S	Roadside Barrier-metal	5 Miles	529200	529200	HSIP (Section 148)	Rural Minor Collector	2736	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(179)HE S & STP 1502(180)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	221297	221297	HSIP (Section 148)	Rural Major Collector	1747	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(177)HE S & STP 1502(178)HE S	Roadway Rumble strips - edge or shoulder	18 Miles	197924	197924	HSIP (Section 148)	Rural Minor Arterial	31350	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(893)HE S & STP 2015(894)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	95254	95254	HSIP (Section 148)	Rural Minor Arterial	15152	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(638)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	79213	79213	HSIP (Section 148)	Rural Minor Arterial	8831	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(891)HE S & STP 2015(892)HE S	Roadway Rumble strips - edge or shoulder	20 Miles	173430	173430	HSIP (Section 148)	Rural Minor Arterial	6897	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(547)HE S & STP 2015(548)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	82832	82832	HSIP (Section 148)	Rural Minor Arterial	7164	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(549)HE S & STP 2015(558)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	81326	81326	HSIP (Section 148)	Rural Principal Arterial - Other	6479	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(396)HE S	Roadway Rumble strips - edge or shoulder	20 Miles	20462	20462	HSIP (Section 148)	Rural Major Collector	840	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(395)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	13447	13447	HSIP (Section 148)	Rural Major Collector	3819	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(257)HE S	Roadside Barrier-metal	2 Miles	360259	360259	HSIP (Section 148)	Rural Major Collector	1255	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility

											poles, and protect culverts or remediate risks by other means.
STP 2015(051)HE SG	Roadway Rumble strips - edge or shoulder	12 Miles	72549	72549	HSIP (Section 148)	Rural Major Collector	1795	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(044)HE SG	Roadway Rumble strips - edge or shoulder	16 Miles	87091	87091	HSIP (Section 148)	Rural Minor Arterial	3335	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(045)HE SG	Roadway Rumble strips - edge or shoulder	6 Miles	21840	21840	HSIP (Section 148)	Rural Minor Arterial	1628	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(052)HE SG	Roadway Rumble strips - edge or shoulder	23 Miles	247942	247942	HSIP (Section 148)	Rural Major Collector	433	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(717)HE S	Roadside Barrier-metal	9 Miles	263702	263702	HSIP (Section 148)	Rural Major Collector	767	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(315)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	481773	481773	HSIP (Section 148)	Urban Principal Arterial - Other	17593	43	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural

											roads.
STP 2014(578)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	155233 4	398391 7	HSIP (Section 148)	Rural Minor Collector	2031	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(719)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	349077 8	349077 8	HSIP (Section 148)	Rural Major Collector	503	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during

											road departures .
STP 2015(718)HE S	Shoulder treatments Widen shoulder - paved or other	9 Miles	4031197	4031197	HSIP (Section 148)	Rural Major Collector	767	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(058)HE S	Shoulder treatments Widen shoulder - paved or other	10 Miles	4218820	4218820	HSIP (Section 148)	Rural Major Collector	971	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the

											road during road departures .
STP 2015(277)HE S	Shoulder treatments Widen shoulder - paved or other	7 Miles	5894316	5894316	HSIP (Section 148)	Rural Major Collector	29426	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(389)HE S	Shoulder treatments Widen shoulder - paved or other	14 Miles	3992529	5387952	HSIP (Section 148)	Rural Major Collector	296	75	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the

											"forgiveness" of the road during road departures .
STP 1502(528)HE S	Shoulder treatments Widen shoulder - paved or other	15 Miles	3407580	5587641	HSIP (Section 148)	Rural Major Collector	911	65	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(379)HE S	Shoulder treatments Widen shoulder - paved or	7 Miles	2800473	2800473	HSIP (Section 148)	Rural Major Collector	453	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to

	other										increase the "forgiveness" of the road during road departures .
STP 2014(627)HE S	Shoulder treatments Widen shoulder - paved or other	9 Miles	2191916	2191916	HSIP (Section 148)	Rural Major Collector	494	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(875)HE S	Shoulder treatments Widen shoulder -	7 Miles	4534926	4534926	HSIP (Section 148)	Urban Major Collector	637	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders

	paved or other										on FM roads to increase the "forgiveness" of the road during road departures .
STP 1402(028)HE S	Shoulder treatments Widen shoulder - paved or other	7 Miles	4000000	7269348	HSIP (Section 148)	Rural Major Collector	9306	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2014(768)HE	Shoulder treatments	6 Miles	246950	428810	HSIP (Section	Rural Major	1781	60	State Highway	Roadway	Increase the use of

S	Widen shoulder - paved or other		0	2	148)	Collector			Agency	Departure	paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(328)HE S	Shoulder treatments Widen shoulder - paved or other	7 Miles	476690 5	954975 3	HSIP (Section 148)	Rural Major Collector	2099	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .

<p>STP 2015(655)HE S</p>	<p>Shoulder treatments Widen shoulder - paved or other</p>	<p>6 Miles</p>	<p>357500 0</p>	<p>497510 1</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>1457</p>	<p>60</p>	<p>State Highway Agency</p>	<p>Roadway Departure</p>	<p>Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .</p>
<p>STP 2015(852)HE S</p>	<p>Intersection traffic control Intersection traffic control - other</p>	<p>1 Numbers</p>	<p>177985</p>	<p>177985</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Other</p>	<p>37542</p>	<p>65</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advanced warning at intersections through the use of signing, flashing beacons or traverse rumble strips.</p>

STP 2015(010)HE SG	Roadway Rumble strips - center	22 Miles	71393	71393	HSIP (Section 148)	Rural Minor Arterial	1990	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(006)HE SG	Roadway Rumble strips - center	14 Miles	32228	32228	HSIP (Section 148)	Rural Principal Arterial - Other	2735	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(017)HE SG	Roadway Rumble strips - edge or shoulder	16 Miles	165733	165733	HSIP (Section 148)	Rural Minor Collector	74	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(009)HE SG	Roadway Rumble strips - edge or shoulder	21 Miles	174606	174606	HSIP (Section 148)	Rural Major Collector	399	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(013)HE SG	Roadway Rumble strips - edge or shoulder	15 Miles	183401	183401	HSIP (Section 148)	Rural Major Collector	4770	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(012)HE SG	Roadway Rumble strips - edge or shoulder	26 Miles	234198	234198	HSIP (Section 148)	Rural Minor Collector	389	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(015)HE SG	Roadway Rumble strips - edge or shoulder	21 Miles	189357	189357	HSIP (Section 148)	Rural Major Collector	1678	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(016)HE SG	Roadway Rumble strips - edge or shoulder	11 Miles	143268	143268	HSIP (Section 148)	Rural Major Collector	1401	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline

											rumble strips.
STP 2015(005)HE SG	Roadway Rumble strips - center	7 Miles	22485	22485	HSIP (Section 148)	Rural Minor Arterial	2093	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(004)HE SG	Roadway Rumble strips - edge or shoulder	8 Miles	105923	105923	HSIP (Section 148)	Rural Minor Collector	1570	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(014)HE SG	Roadway Rumble strips - edge or shoulder	15 Miles	107501	107501	HSIP (Section 148)	Rural Major Collector	1890	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(008)HE SG	Roadway Rumble strips -	14 Miles	35784	35784	HSIP (Section 148)	Rural Principal Arterial -	2090	75	State Highway Agency	Lane Departure	Increase the installation of

	center					Other					centerline rumble strips.
STP 2015(003)HE SG	Roadway Rumble strips - center	7 Miles	14287	14287	HSIP (Section 148)	Rural Principal Arterial - Other	2195	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(011)HE SG	Roadway Rumble strips - edge or shoulder	11 Miles	91010	91010	HSIP (Section 148)	Rural Minor Arterial	8468	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(007)HE SG	Roadway Rumble strips - center	12 Miles	38555	38555	HSIP (Section 148)	Rural Minor Arterial	22184	65	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2014(282)HE	Roadway Rumble strips - edge	10 Miles	45496	45496	HSIP (Section	Rural Minor	7871	70	State Highway	Roadway Departure	Continue to install shoulder

SG	or shoulder				148)	Arterial			Agency		and centerline rumble strips.
STP 2014(276)HE SG	Roadway Rumble strips - edge or shoulder	9 Miles	65512	65512	HSIP (Section 148)	Rural Minor Arterial	8776	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(962)HR R	Roadway Rumble strips - edge or shoulder	15 Miles	65311	65311	HRRRP (SAFETE A-LU)	Rural Minor Arterial	3018	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(999)HR R	Roadway Rumble strips - center	16 Miles	90564	90564	HRRRP (SAFETE A-LU)	Rural Major Collector	2086	65	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(982)HR	Roadway Rumble	16	83854	83854	HRRRP (SAFETE	Rural Major	2086	65	State Highway	Roadway	Continue to install

R	strips - edge or shoulder	Miles			A-LU)	Collector			Agency	Departure	shoulder and centerline rumble strips.
STP 2015(991)HR R	Roadway Rumble strips - edge or shoulder	30 Miles	155439	155439	HRRRP (SAFETE A-LU)	Rural Major Collector	3920	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(968)HR R	Roadway Rumble strips - edge or shoulder	14 Miles	71767	71767	HRRRP (SAFETE A-LU)	Rural Major Collector	3413	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(006)HE S	Roadside Barrier-metal	15 Miles	305998	305998	HSIP (Section 148)	Rural Minor Arterial	28347	75	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or

											remediate risks by other means.
STP 2015(970)HE S	Roadway Rumble strips - edge or shoulder	5 Miles	26267	26267	HSIP (Section 148)	Rural Minor Collector	2876	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(961)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	11349	11349	HSIP (Section 148)	Urban Principal Arterial - Other	17038	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(971)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	10208	10208	HSIP (Section 148)	Rural Principal Arterial - Other	32965	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(994)HE	Roadway Rumble	18	91886	91886	HSIP (Section	Rural Major	1775	70	State Highway	Roadway	Continue to install

S	strips - edge or shoulder	Miles			148)	Collector			Agency	Departure	shoulder and centerline rumble strips.
STP 2015(963)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	51023	51023	HSIP (Section 148)	Rural Minor Arterial	6583	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(980)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	80253	80253	HSIP (Section 148)	Rural Major Collector	1393	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(981)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	67547	67547	HSIP (Section 148)	Rural Minor Collector	1192	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(978)HE S	Roadway Rumble strips - edge or shoulder	11 Miles	58019	58019	HSIP (Section 148)	Rural Major Collector	1314	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(972)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	39211	39211	HSIP (Section 148)	Rural Minor Collector	456	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(001)HE S	Roadway Rumble strips - center	5 Miles	4708	4708	HSIP (Section 148)	Rural Principal Arterial - Other	11175	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(953)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	32994	32994	HSIP (Section 148)	Rural Minor Arterial	8594	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 1502(552)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	142990	142990	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	52020	75	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or traverse rumble strips.
STP 1502(012)HE S	Roadway Superelevation / cross slope	2 Miles	178789 1	178789 1	HSIP (Section 148)	Rural Major Collector	1199	65	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience. Treatment might include increased use of chevron

											signs, use of speed activated curve warnings and LED curve displays, and high friction surface treatment.
STP 1502(002)HE S	Roadway Rumble strips - center	7 Miles	49154	49154	HSIP (Section 148)	Rural Major Collector	4872	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(965)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	38012	38012	HSIP (Section 148)	Rural Major Collector	4872	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP	Roadway	14	43587	43587	HSIP	Rural	6735	70	State	Lane	Increase

1502(003)HE S	Rumble strips - center	Miles			(Section 148)	Minor Arterial			Highway Agency	Departure	the installation of centerline rumble strips.
STP 2015(989)HE S	Roadway Rumble strips - edge or shoulder	14 Miles	21157	21157	HSIP (Section 148)	Rural Minor Arterial	6735	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(990)HE S	Roadway Rumble strips - edge or shoulder	6 Miles	8417	8417	HSIP (Section 148)	Rural Minor Arterial	12644	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(992)HE S	Roadway Rumble strips - edge or shoulder	22 Miles	114857	114857	HSIP (Section 148)	Rural Minor Collector	1413	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(966)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	12406	12406	HSIP (Section 148)	Rural Minor Arterial	8581	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(967)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	3613	3613	HSIP (Section 148)	Rural Principal Arterial - Other	9859	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(983)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	18806	18806	HSIP (Section 148)	Rural Principal Arterial - Other	12371	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(946)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	19726	19726	HSIP (Section 148)	Rural Principal Arterial - Other	5980	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(998)HE S	Roadway Rumble strips - center	13 Miles	32191	32191	HSIP (Section 148)	Rural Principal Arterial - Other	5980	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(988)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	50038	50038	HSIP (Section 148)	Rural Major Collector	946	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(969)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	37084	37084	HSIP (Section 148)	Rural Minor Collector	472	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(997)HE S	Roadway Rumble strips - center	14 Miles	40053	40053	HSIP (Section 148)	Rural Principal Arterial - Other	5126	70	State Highway Agency	Lane Departure	Increase the installation of centerline

											rumble strips.
STP 2015(979)HE S	Roadway Rumble strips - edge or shoulder	20 Miles	74453	74453	HSIP (Section 148)	Rural Major Collector	8342	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(957)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	10693	10693	HSIP (Section 148)	Rural Minor Arterial	4597	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(984)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	386	386	HSIP (Section 148)	Rural Principal Arterial - Other	6931	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(938)HE S	Roadway Rumble strips - edge	6 Miles	32658	32658	HSIP (Section 148)	Rural Major Collector	1610	70	State Highway Agency	Roadway Departure	Continue to install shoulder and

	or shoulder										centerline rumble strips.
STP 2015(939)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	51569	51569	HSIP (Section 148)	Rural Major Collector	2169	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(940)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	41592	41592	HSIP (Section 148)	Rural Major Collector	1864	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(941)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	63396	63396	HSIP (Section 148)	Rural Major Collector	2437	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(943)HE S	Roadway Rumble strips - edge	13 Miles	65469	65469	HSIP (Section 148)	Rural Minor	2069	70	State Highway Agency	Roadway Departure	Continue to install shoulder

S	or shoulder				148)	Collector			Agency		and centerline rumble strips.
STP 2015(944)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	38706	38706	HSIP (Section 148)	Rural Major Collector	1826	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(945)HE S	Roadway Rumble strips - edge or shoulder	6 Miles	9486	9486	HSIP (Section 148)	Rural Principal Arterial - Other	5949	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(947)HE S	Roadway Rumble strips - edge or shoulder	6 Miles	9926	9926	HSIP (Section 148)	Rural Principal Arterial - Other	5225	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(976)HE S	Roadway Rumble	12	17857	17857	HSIP (Section	Rural Principal	6198	60	State Highway	Roadway	Continue to install

S	strips - edge or shoulder	Miles			148)	Arterial - Other			Agency	Departure	shoulder and centerline rumble strips.
STP 2015(985)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	66152	66152	HSIP (Section 148)	Rural Major Collector	6018	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(948)HE S	Roadway Rumble strips - edge or shoulder	6 Miles	29457	29457	HSIP (Section 148)	Rural Major Collector	3284	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(949)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	52649	52649	HSIP (Section 148)	Rural Minor Collector	1891	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(964)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	43284	43284	HSIP (Section 148)	Rural Minor Collector	952	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(950)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	26300	26300	HSIP (Section 148)	Rural Principal Arterial - Other	7555	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(951)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	14137	14137	HSIP (Section 148)	Rural Principal Arterial - Other	6337	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(952)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	82449	82449	HSIP (Section 148)	Rural Major Collector	8013	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(986)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	44199	44199	HSIP (Section 148)	Rural Major Collector	1610	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(958)HE S	Roadway Rumble strips - edge or shoulder	14 Miles	74546	74546	HSIP (Section 148)	Rural Major Collector	4627	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(955)HE S	Roadway Rumble strips - edge or shoulder	5 Miles	25088	25088	HSIP (Section 148)	Rural Major Collector	2844	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(987)HE S	Roadway Rumble strips - edge or shoulder	18 Miles	93340	93340	HSIP (Section 148)	Rural Minor Collector	3852	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline

											rumble strips.
STP 2015(954)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	44919	44919	HSIP (Section 148)	Rural Major Collector	4856	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(973)HE S	Roadway Rumble strips - edge or shoulder	14 Miles	72070	72070	HSIP (Section 148)	Rural Major Collector	2448	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(974)HE S	Roadway Rumble strips - edge or shoulder	15 Miles	31980	31980	HSIP (Section 148)	Rural Major Collector	2885	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(975)HE S	Roadway Rumble strips - edge	6 Miles	21413	21413	HSIP (Section 148)	Urban Principal Arterial -	11177	55	State Highway Agency	Roadway Departure	Continue to install shoulder and

	or shoulder					Other					centerline rumble strips.
STP 2015(993)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	9639	9639	HSIP (Section 148)	Rural Minor Arterial	19542	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(956)HE S	Roadway Rumble strips - edge or shoulder	18 Miles	76824	76824	HSIP (Section 148)	Rural Minor Arterial	19273	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(959)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	51802	51802	HSIP (Section 148)	Urban Minor Arterial	22479	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(960)HE	Roadway Rumble strips - edge	8 Miles	36833	36833	HSIP (Section	Rural Major	1417	65	State Highway	Roadway Departure	Continue to install shoulder

S	or shoulder				148)	Collector			Agency		and centerline rumble strips.
STP 2015(977)HE S	Roadway Rumble strips - edge or shoulder	11 Miles	16707	16707	HSIP (Section 148)	Rural Principal Arterial - Other	7400	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(007)HE S	Roadside Barrier-metal	13 Miles	818479	818479	HSIP (Section 148)	Rural Principal Arterial - Other	4329	65	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(224)HR R	Roadway Rumble strips - center	20 Miles	601875	601875	HRRRP (SAFETE A-LU)	Rural Major Collector	1277	55	State Highway Agency	Roadway Departure	Continue to install shoulder and

											centerline rumble strips.
STP 2015(180)HE SG	Lighting Continuous roadway lighting	12 Miles	297738	297738	HSIP (Section 148)	Urban Principal Arterial - Interstate	86611	75	State Highway Agency	Intersectio ns	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersectio ns where sight distance limitations exist due to vegetation, signing, and other obstructio ns.
STP 1502(013)HE	Roadside Barrier-	4 Miles	565353	565353	HSIP (Section	Rural Major	403	55	State Highway	Roadway Departure	Continue to remove trees,

S	metal				148)	Collector			Agency		relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(674)HE S	Roadway Rumble strips - center	4 Miles	13943	13943	HSIP (Section 148)	Rural Major Collector	1014	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(662)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	36913	36913	HSIP (Section 148)	Rural Principal Arterial - Other	5341	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(659)HE S	Roadway Rumble strips - center	4 Miles	11744	11744	HSIP (Section 148)	Rural Principal Arterial - Other	11385	75	State Highway Agency	Lane Departure	Increase the installation of

											centerline rumble strips.
STP 2015(658)HE S	Roadway Rumble strips - edge or shoulder	19 Miles	146640	146640	HSIP (Section 148)	Rural Minor Arterial	5980	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(661)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	55170	55170	HSIP (Section 148)	Rural Minor Arterial	5810	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(660)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	33788	33788	HSIP (Section 148)	Rural Principal Arterial - Other	7507	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(672)HE	Roadway Rumble strips - edge	4 Miles	19962	19962	HSIP (Section	Rural Major	9725	55	State Highway	Roadway Departure	Continue to install shoulder

S	or shoulder				148)	Collector			Agency		and centerline rumble strips.
STP 2015(673)HE S	Roadway Rumble strips - center	5 Miles	17349	17349	HSIP (Section 148)	Urban Major Collector	9725	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(667)HE S	Roadway Rumble strips - center	3 Miles	11940	11940	HSIP (Section 148)	Rural Major Collector	22823	65	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(149)HE SG	Lighting Continuous roadway lighting	12 Miles	25563	25563	HSIP (Section 148)	Urban Principal Arterial - Other	20501	75	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and

											urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(176)HESG	Lighting Continuous roadway lighting	16 Miles	15691	15691	HSIP (Section 148)	Rural Major Collector	4895	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due

											to vegetation, signing, and other obstructions.
STP 2015(249)HE SG	Roadway Rumble strips - center	16 Miles	741291	741291	HSIP (Section 148)	Rural Major Collector	4895	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(144)HE SG	Lighting Continuous roadway lighting	8 Miles	128909	128909	HSIP (Section 148)	Urban Principal Arterial - Other	29839	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations

											exist due to vegetation, signing, and other obstructions.
STP 2015(152)HE SG	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	311026	311026	HSIP (Section 148)	Urban Principal Arterial - Other	26434	55	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 2015(177)HE SG	Intersection traffic control Intersection traffic control - other	1 Numbers	38642	38642	HSIP (Section 148)	Urban Principal Arterial - Other	22068	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.

<p>STP 2015(148)HE SG</p>	<p>Lighting Continuous roadway lighting</p>	<p>7 Miles</p>	<p>34725</p>	<p>34725</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>20075</p>	<p>55</p>	<p>State Highway Agency</p>	<p>Intersectio ns</p>	<p>Eliminate limited sight distance on all roads. This includes high speed rural and urban intersectio ns where sight distance limitations exist due to vegetation, signing, and other obstructio ns.</p>
<p>STP 2015(075)HE SG & STP 2015(076)HE SG</p>	<p>Roadway Rumble strips - center</p>	<p>24 Miles</p>	<p>153851</p>	<p>153851</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>4484</p>	<p>55</p>	<p>State Highway Agency</p>	<p>Lane Departure</p>	<p>Increase the installation of centerline rumble</p>

											strips.
STP 2015(248)HE SG	Roadway Rumble strips - edge or shoulder	4 Miles	224767	224767	HSIP (Section 148)	Rural Major Collector	875	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(014)HE S	Roadside Barrier-metal	3 Miles	606939	606939	HSIP (Section 148)	Rural Minor Collector	161	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(146)HE SG	Lighting Continuous roadway lighting	9 Miles	11071	11071	HSIP (Section 148)	Rural Major Collector	1965	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes

											high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(145)HE SG	Lighting Continuous roadway lighting	15 Miles	9784	9784	HSIP (Section 148)	Rural Minor Collector	3135	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance

											limitations exist due to vegetation, signing, and other obstructions.
STP 2015(247)HE SG	Roadway Rumble strips - edge or shoulder	5 Miles	268507	268507	HSIP (Section 148)	Rural Minor Collector	760	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(178)HE SG	Intersection traffic control Intersection traffic control - other	1 Numbers	115010	115010	HSIP (Section 148)	Urban Principal Arterial - Other	14559	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.

<p>STP 2015(175)HE SG</p>	<p>Lighting Continuous roadway lighting</p>	<p>9 Miles</p>	<p>18579</p>	<p>18579</p>	<p>HSIP (Section 148)</p>	<p>Rural Principal Arterial - Other</p>	<p>9631</p>	<p>70</p>	<p>State Highway Agency</p>	<p>Intersectio ns</p>	<p>Eliminate limited sight distance on all roads. This includes high speed rural and urban intersectio ns where sight distance limitations exist due to vegetation, signing, and other obstructio ns.</p>
<p>STP 2015(151)HE SG</p>	<p>Lighting Continuous roadway lighting</p>	<p>10 Miles</p>	<p>36574</p>	<p>36574</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>5787</p>	<p>55</p>	<p>State Highway Agency</p>	<p>Intersectio ns</p>	<p>Eliminate limited sight distance on all roads. This includes</p>

											high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(174)HE SG	Lighting Continuous roadway lighting	3 Miles	44788	44788	HSIP (Section 148)	Rural Major Collector	3194	60	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance

											limitations exist due to vegetation, signing, and other obstructions.
STP 2015(150)HE SG	Lighting Continuous roadway lighting	16 Miles	46656	46656	HSIP (Section 148)	Rural Minor Arterial	4562	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.

											ns.
STP 2015(179)HE SG	Intersection traffic control Intersection traffic control - other	1 Numbers	80634	80634	HSIP (Section 148)	Rural Principal Arterial - Other	9678	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(482)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	199164	199164	HSIP (Section 148)	Rural Minor Arterial	4791	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(843)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	140622	140622	HSIP (Section 148)	Rural Minor Arterial	4842	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(236)HE S	Roadside Barrier- metal	17 Miles	103960 0	103960 0	HSIP (Section 148)	Rural Minor Arterial	3393	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(241)HE S	Roadside Barrier- metal	8 Miles	627389	627389	HSIP (Section 148)	Rural Minor Arterial	2159	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(240)HE S	Roadside Barrier- metal	12 Miles	115782 7	115782 7	HSIP (Section 148)	Rural Minor Arterial	3291	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate

											utility poles, and protect culverts or remediate risks by other means.
STP 2015(314)HRR	Roadside Barrier-metal	28 Miles	198783 7	198783 7	HRRRP (SAFETE A-LU)	Rural Major Collector	869	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(511)HES	Roadway Rumble strips - edge or shoulder	12 Miles	116812	116812	HSIP (Section 148)	Urban Principal Arterial - Other	24130	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(515)HE S	Roadway Rumble strips - edge or shoulder	24 Miles	383210	383210	HSIP (Section 148)	Rural Principal Arterial - Other	21050	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(508)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	290797	290797	HSIP (Section 148)	Urban Major Collector	18564	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(516)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	263772	263772	HSIP (Section 148)	Urban Principal Arterial - Other	50980	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(722)HE S	Intersection traffic control Intersection traffic control -	1 Numbe rs	288083	288083	HSIP (Section 148)	Urban Minor Arterial	22508	55	State Highway Agency	Intersectio ns	Enhance advanced warning at intersectio ns through the use of

	other										signing, flashing beacons or transverse rumble strips.
STP 2015(521)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	119417	119417	HSIP (Section 148)	Urban Principal Arterial - Other	11660	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(517)HE S	Roadway Rumble strips - edge or shoulder	11 Miles	497082	497082	HSIP (Section 148)	Urban Principal Arterial - Interstate	97392	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(221)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	458248	458248	HSIP (Section 148)	Urban Principal Arterial - Interstate	97392	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing,

											flashing beacons or transverse rumble strips.
STP 2015(518)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	383620	383620	HSIP (Section 148)	Urban Principal Arterial - Interstate	206948	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(519)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	262655	262655	HSIP (Section 148)	Urban Principal Arterial - Interstate	240720	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(520)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	539019	539019	HSIP (Section 148)	Urban Principal Arterial - Interstate	10200	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(544)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	292424	292424	HSIP (Section 148)	Urban Principal Arterial - Interstate	18146	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(501)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	73790	73790	HSIP (Section 148)	Urban Principal Arterial - Other	40779	45	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(503)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	193649	193649	HSIP (Section 148)	Urban Principal Arterial - Other	16583	40	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(522)HE S	Roadway Rumble strips - edge or shoulder	14 Miles	325737	325737	HSIP (Section 148)	Urban Principal Arterial - Other	32018	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(523)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	317847	317847	HSIP (Section 148)	Urban Principal Arterial - Other	40196	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(524)HE S	Roadway Rumble strips - edge or shoulder	12 Miles	355274	355274	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	77270	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(525)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	85813	85813	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	35530	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(512)HE	Roadway Rumble strips - edge	6 Miles	112717	112717	HSIP (Section	Urban Principal Arterial -	10899	40	State Highway	Roadway Departure	Continue to install shoulder

S	or shoulder				148)	Other			Agency		and centerline rumble strips.
STP 2015(510)HE S	Roadway Rumble strips - edge or shoulder	20 Miles	975053	975053	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	10583	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(507)HE S	Roadway Rumble strips - edge or shoulder	1 Miles	18491	18491	HSIP (Section 148)	Urban Principal Arterial - Other	32784	45	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(721)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	529404	529404	HSIP (Section 148)	Urban Principal Arterial - Other	39819	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing

											beacons or transverse rumble strips.
STP 2015(502)HE S	Roadway Rumble strips - edge or shoulder	4 Miles	76326	76326	HSIP (Section 148)	Urban Principal Arterial - Other	21105	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(414)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	271708	271708	HSIP (Section 148)	Urban Principal Arterial - Other	24287	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(244)HE S	Intersection traffic control Intersection	1 Numbers	175420	175420	HSIP (Section 148)	Urban Principal Arterial - Other	30938	60	State Highway Agency	Intersections	Enhance advanced warning at intersectio

	traffic control - other										ns through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(163)HE SG	Intersection traffic control Intersection traffic control - other	1 Numbe rs	493967	493967	HSIP (Section 148)	Urban Principal Arterial - Other	55857	35	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(120)HE S	Intersection traffic control Intersection traffic control - other	1 Numbe rs	279667	279667	HSIP (Section 148)	Urban Principal Arterial - Interstate	28188 7	60	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing

											beacons or transverse rumble strips.
STP 2015(704)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	229926	229926	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	15480 0	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(616)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	293357	293357	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	13527 5	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(617)HE S	Intersection traffic control Intersection traffic control - other	1 Numbe rs	317690	317690	HSIP (Section 148)	Rural Principal Arterial - Other Freeways and Expresswa ys	86100	65	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(302)HE S	Intersection traffic control Intersection traffic control - other	1 Numbe rs	108944	108944	HSIP (Section 148)	Urban Minor Collector	14537 1	65	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(189)HE	Intersection traffic	1 Numbe	155332	155332	HSIP (Section	Urban Minor	1000	45	State Highway	Intersectio ns	Enhance advanced

S	control Intersection traffic control - other	rs			148)	Arterial			Agency		warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(305)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	153024	153024	HSIP (Section 148)	Urban Principal Arterial - Other	44746	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(183)HE S	Intersection traffic control Intersection traffic control -	1 Numbers	56150	56150	HSIP (Section 148)	Urban Major Collector	16508 1	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of

	other										signing, flashing beacons or transverse rumble strips.
STP 2015(570)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	135460	280240	HSIP (Section 148)	Urban Principal Arterial - Other	43293	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(301)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	137088	137088	HSIP (Section 148)	Urban Minor Collector	13841 1	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse

											rumble strips.
STP 2015(831)HE S & STP 2015(829)HE S	Roadside Barrier-metal	11 Miles	590124	590124	HSIP (Section 148)	Rural Minor Arterial	7627	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(822)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	86610	86610	HSIP (Section 148)	Rural Principal Arterial - Other	6734	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1402(019)HE SG	Roadside Barrier-metal	15 Miles	394229	394229	HSIP (Section 148)	Rural Minor Collector	270	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and

											protect culverts or remediate risks by other means.
STP 2015(821)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	114489	114489	HSIP (Section 148)	Rural Principal Arterial - Other	5360	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(836)HE S	Roadside Barrier-metal	8 Miles	444021	444021	HSIP (Section 148)	Rural Major Collector	730	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(824)HE	Roadway Rumble	6 Miles	67256	67256	HSIP (Section	Rural Principal	3345	75	State Highway	Roadway Departure	Continue to install

S	strips - edge or shoulder				148)	Arterial - Other			Agency		shoulder and centerline rumble strips.
STP 2015(834)HE S	Roadside Barrier-metal	5 Miles	62511	62511	HSIP (Section 148)	Rural Minor Collector	232	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(823)HE S	Roadway Rumble strips - center	18 Miles	83480	83480	HSIP (Section 148)	Rural Minor Arterial	1480	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(833)HE S	Roadside Barrier-metal	10 Miles	275023	275023	HSIP (Section 148)	Rural Major Collector	237	70	State Highway Agency	Roadway Departure	Continue to remove trees,

											relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(832)HE S	Roadside Barrier-metal	23 Miles	413297	413297	HSIP (Section 148)	Rural Major Collector	964	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(825)HE S	Roadway Rumble strips - center	10 Miles	39316	39316	HSIP (Section 148)	Rural Major Collector	1867	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble

											strips.
STP 2015(826)HE S	Roadway Rumble strips - center	11 Miles	50145	50145	HSIP (Section 148)	Rural Major Collector	2593	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(827)HE S & STP 2015(828)HE S	Roadway Rumble strips - center	20 Miles	105800	105800	HSIP (Section 148)	Rural Major Collector	3131	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(276)HE S	Roadway Rumble strips - center	4 Miles	35128	35128	HSIP (Section 148)	Rural Minor Arterial	13335	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(021)HE SG	Roadside Barrier- metal	9 Miles	167947	167947	HSIP (Section 148)	Rural Major Collector	5852	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility

											poles, and protect culverts or remediate risks by other means.
STP 2015(571)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	28690	28690	HSIP (Section 148)	Rural Minor Arterial	5942	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(144)HE S & STP 1502(145)HE S	Roadside Barrier-metal	24 Miles	147788 5	147788 5	HSIP (Section 148)	Urban Principal Arterial - Interstate	12979 3	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate

											risks by other means.
STP 2015(194)HE S	Roadside Barrier-metal	8 Miles	231944	231944	HSIP (Section 148)	Rural Major Collector	10224	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(572)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	125512	125512	HSIP (Section 148)	Urban Minor Arterial	24713	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.

<p>STP 1502(303)HE S</p>	<p>Intersection traffic control Intersection traffic control - other</p>	<p>1 Numbers</p>	<p>54418</p>	<p>54418</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Other</p>	<p>52683</p>	<p>50</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.</p>
<p>STP 1502(304)HE S</p>	<p>Intersection traffic control Intersection traffic control - other</p>	<p>1 Numbers</p>	<p>62292</p>	<p>62292</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Other</p>	<p>49138</p>	<p>50</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.</p>
<p>STP 1502(146)HE S</p>	<p>Roadside Barrier-metal</p>	<p>16 Miles</p>	<p>115152 7</p>	<p>115152 7</p>	<p>HSIP (Section 148)</p>	<p>Rural Major Collector</p>	<p>1095</p>	<p>60</p>	<p>State Highway Agency</p>	<p>Roadway Departure</p>	<p>Continue to remove trees, relocate</p>

											utility poles, and protect culverts or remediate risks by other means.
STP 2015(188)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	80717	80717	HSIP (Section 148)	Urban Major Collector	152925	70	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(184)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	74569	74569	HSIP (Section 148)	Urban Major Collector	193060	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing

											beacons or transverse rumble strips.
STP 2015(185)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	197642	197642	HSIP (Section 148)	Urban Major Collector	20668 5	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(187)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	338806	338806	HSIP (Section 148)	Urban Major Collector	22844 4	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(186)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	212552	212552	HSIP (Section 148)	Urban Major Collector	16872 4	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(300)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	105098	105098	HSIP (Section 148)	Urban Principal Arterial - Other	33390	45	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(269)HE	Roadside Barrier-	17 Miles	622941	622941	HSIP (Section	Rural Major	1194	70	State Highway	Roadway Departure	Continue to remove

S	metal				148)	Collector			Agency		trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(023)HE SG & STP 2015(024)HE SG	Roadside Barrier - cable	14 Miles	597868	597868	HSIP (Section 148)	Rural Principal Arterial - Interstate	13700	75	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(290)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	5210847	5210847	HSIP (Section 148)	Urban Principal Arterial - Interstate	92520	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(022)HE SG	Roadside Barrier-metal	3 Miles	310980	310980	HSIP (Section 148)	Urban Principal Arterial - Other	24120	65	State Highway Agency	Roadway Departure	Continue to remove trees, relocate

											utility poles, and protect culverts or remediate risks by other means.
STP 2015(026)HE SG & STP 2015(025)HE SG	Roadside Barrier - cable	6 Miles	709919	709919	HSIP (Section 148)	Rural Minor Arterial	25125	65	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(029)HE SG & STP 2015(028)HE SG	Roadway Rumble strips - edge or shoulder	14 Miles	174114	174114	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	169848	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(030)HE SG	Roadway Rumble strips - edge or shoulder	3 Miles	19418	19418	HSIP (Section 148)	Rural Principal Arterial - Other	7655	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline

											rumble strips.
STP 2015(031)HE SG	Roadway Rumble strips - edge or shoulder	16 Miles	164006	164006	HSIP (Section 148)	Rural Principal Arterial - Other	12251	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(360)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	86446	86446	HSIP (Section 148)	Rural Minor Collector	4918	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(032)HE SG	Roadway Rumble strips - edge or shoulder	10 Miles	105772	105772	HSIP (Section 148)	Rural Principal Arterial - Other	9906	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(280)HE SG	Roadway Rumble strips - edge	8 Miles	120840	120840	HSIP (Section 148)	Rural Principal Arterial -	12362	60	State Highway Agency	Roadway Departure	Continue to install shoulder and

	or shoulder					Other					centerline rumble strips.	
STP 2015(359)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	328217	328217	HSIP (Section 148)	Rural Principal Arterial - Interstate	11820	70	1	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(279)HE SG	Roadway Rumble strips - center	8 Miles	114933	114933	HSIP (Section 148)	Rural Minor Arterial	18542	65		State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(358)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	45832	45832	HSIP (Section 148)	Rural Principal Arterial - Other	7034	60		State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(357)HE	Roadway Rumble strips - edge	6 Miles	12521	12521	HSIP (Section	Urban Principal Arterial -	30150	55		State Highway	Roadway Departure	Continue to install shoulder

S	or shoulder				148)	Other			Agency		and centerline rumble strips.
STP 2015(027)HE SG	Roadside Barrier - cable	9 Miles	858394	858394	HSIP (Section 148)	Rural Principal Arterial - Other	27135	65	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(356)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	84741	84741	HSIP (Section 148)	Rural Minor Arterial	30150	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(355)HE S	Roadway Rumble strips - center	4 Miles	21286	21286	HSIP (Section 148)	Rural Minor Arterial	10719	45	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(354)HE	Roadway Rumble strips - edge	22 Miles	97437	97437	HSIP (Section	Rural Minor	10452	70	State Highway	Roadway Departure	Continue to install shoulder

S	or shoulder				148)	Arterial			Agency		and centerline rumble strips.
STP 2015(353)HE S	Roadside Barrier-metal	9 Miles	125451	125451	HSIP (Section 148)	Rural Minor Arterial	14496	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(363)HE S & STP 2015(364)HE S	Roadway Rumble strips - edge or shoulder	6 Miles	80722	80722	HSIP (Section 148)	Urban Minor Collector	15162	45	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2014(362)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	67892	67892	HSIP (Section 148)	Rural Minor Arterial	12553	65	State Highway Agency	Roadway Departure	Continue to install shoulder and

											centerline rumble strips.
STP 2015(361)HE S	Roadway Rumble strips - edge or shoulder	6 Miles	33134	33134	HSIP (Section 148)	Rural Minor Arterial	13204	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
SFT 291-3-65	Roadside Barrier-metal	4 Miles	129670	129670	HSIP (Section 148)	Rural Minor Arterial	935	35	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
SFT 193-2-43	Roadway Rumble strips - edge or shoulder	1 Miles	49802	49802	HSIP (Section 148)	Rural Major Collector	3774	50	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline

											rumble strips.
STP 1502(264)HRR	Shoulder treatments Widen shoulder - paved or other	1 Miles	480173	480173	HRRRP (SAFETE A-LU)	Rural Major Collector	972	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(265)HES	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	18 Miles	1685720	1685720	HSIP (Section 148)	Rural Principal Arterial - Other	2283	70	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(367)HE S	Roadside Barrier-metal	19 Miles	141182 0	141182 0	HSIP (Section 148)	Rural Principal Arterial - Other	7035	70	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(365)HE S & STP 2015(366)HE S	Roadway Rumble strips - edge or shoulder	4 Miles	42573	42573	HSIP (Section 148)	Rural Principal Arterial - Other	19497	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(855)HE S	Roadway Rumble strips - edge or shoulder	11 Miles	60029	60029	HSIP (Section 148)	Rural Principal Arterial - Other	2901	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(853)HE S & STP 2015(856)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	125387	125387	HSIP (Section 148)	Urban Principal Arterial - Other	10157	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(854)HE S	Roadway Rumble strips - edge or shoulder	15 Miles	151147	151147	HSIP (Section 148)	Rural Principal Arterial - Other	8078	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(869)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	28415	28415	HSIP (Section 148)	Rural Major Collector	839	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(862)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	56277	56277	HSIP (Section 148)	Rural Minor Arterial	10713	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(865)HE S	Roadway Rumble strips - edge or shoulder	14 Miles	52865	52865	HSIP (Section 148)	Rural Minor Arterial	5599	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(866)HE S	Roadway Rumble strips - edge or shoulder	11 Miles	71685	71685	HSIP (Section 148)	Rural Minor Arterial	7516	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(861)HE S	Roadway Rumble strips - center	18 Miles	109998	109998	HSIP (Section 148)	Rural Major Collector	8217	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(871)HE S	Roadway Rumble strips - edge or shoulder	5 Miles	20214	20214	HSIP (Section 148)	Rural Major Collector	3417	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline

											rumble strips.
STP 2015(872)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	13525	13525	HSIP (Section 148)	Rural Major Collector	1999	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(870)HE S	Roadway Rumble strips - edge or shoulder	17 Miles	67428	67428	HSIP (Section 148)	Rural Major Collector	18414	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(864)HE S	Roadway Rumble strips - center	8 Miles	40078	40078	HSIP (Section 148)	Rural Minor Arterial	20207	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(670)HE S	Roadway Rumble strips -	6 Miles	25631	25631	HSIP (Section 148)	Rural Minor Collector	170	60	State Highway Agency	Lane Departure	Increase the installation of

	center										centerline rumble strips.
STP 2015(668)HE S	Roadway Rumble strips - center	5 Miles	13817	13817	HSIP (Section 148)	Rural Major Collector	6251	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(669)HE S	Roadway Rumble strips - edge or shoulder	5 Miles	21867	21867	HSIP (Section 148)	Rural Major Collector	6251	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(664)HE S	Roadway Rumble strips - edge or shoulder	7 Miles	46850	46850	HSIP (Section 148)	Rural Principal Arterial - Other	7843	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(665)HE S	Roadway Rumble strips -	7 Miles	18541	18541	HSIP (Section	Rural Principal Arterial -	7843	55	State Highway	Lane Departure	Increase the installation

S	center				148)	Other			Agency		of centerline rumble strips.
STP 2015(663)HE S	Roadway Rumble strips - edge or shoulder	10 Miles	47673	47673	HSIP (Section 148)	Rural Principal Arterial - Other	5650	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(535)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	35299	35299	HSIP (Section 148)	Rural Principal Arterial - Other	26390	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(537)HE S	Roadway Rumble strips - center	4 Miles	63216	63216	HSIP (Section 148)	Rural Minor Arterial	8793	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(538)HE S	Roadway Rumble	4 Miles	10314	10314	HSIP (Section 148)	Rural Minor	8793	55	State Highway Agency	Roadway	Continue to install

S	strips - edge or shoulder				148)	Arterial			Agency	Departure	shoulder and centerline rumble strips.
STP 1502(539)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	9578	9578	HSIP (Section 148)	Rural Major Collector	6894	45	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(536)HE S	Roadway Rumble strips - edge or shoulder	2 Miles	5069	5069	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	31968	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(858)HE S	Roadway Rumble strips - edge or shoulder	2 Miles	14582	14582	HSIP (Section 148)	Rural Major Collector	3016	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

STP 2015(859)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	20708	20708	HSIP (Section 148)	Rural Major Collector	4896	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(857)HE S	Roadway Rumble strips - edge or shoulder	9 Miles	56159	56159	HSIP (Section 148)	Rural Major Collector	3519	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(666)HR R	Roadway Rumble strips - edge or shoulder	7 Miles	35209	35209	HRRRP (SAFETE A-LU)	Rural Major Collector	9209	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(863)HR R	Roadway Rumble strips - edge or shoulder	6 Miles	25840	25840	HRRRP (SAFETE A-LU)	Rural Minor Collector	78045	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(867)HR R	Roadway Rumble strips - edge or shoulder	17 Miles	58702	58702	HRRRP (SAFETE A-LU)	Rural Major Collector	4861	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(868)HR R	Roadway Rumble strips - edge or shoulder	10 Miles	50970	50970	HRRRP (SAFETE A-LU)	Rural Major Collector	7773	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(671)HR R	Roadway Rumble strips - center	7 Miles	30717	30717	HRRRP (SAFETE A-LU)	Rural Minor Collector	304	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(519)HE S	Intersection traffic control Intersection flashers -	1 Miles	19910	19910	HSIP (Section 148)	Rural Minor Collector	871	60	State Highway Agency	Intersectio ns	Enhance advanced warning at intersectio ns through

	add advance intersection warning sign-mounted										the use of signing, flashing beacons or transverse rumble strips.
STP 1502(518)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	93060	93060	HSIP (Section 148)	Urban Principal Arterial - Other	13343	70	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(517)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	97501	97501	HSIP (Section 148)	Urban Principal Arterial - Interstate	115768	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or

											transverse rumble strips.
STP 1502(354)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	26163	26163	HSIP (Section 148)	Rural Principal Arterial - Other	3882	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(079)HE SG & STP 2015(080)HE SG	Roadway Rumble strips - edge or shoulder	5 Miles	173373	173373	HSIP (Section 148)	Urban Principal Arterial - Interstate	35465	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(318)HE SG & STP 2015(319)HE SG	Roadside Barrier-metal	8 Miles	478430	478430	HSIP (Section 148)	Rural Major Collector	2605	75	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by

											other means.
STP 2015(429)HRR	Roadside Barrier-metal	11 Miles	488019	488019	HRRRP (SAFETE A-LU)	Rural Major Collector	647	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(629)HES	Roadside Barrier-metal	8 Miles	618946	618946	HSIP (Section 148)	Rural Major Collector	1254	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP	Roadway	13	59027	59027	HSIP	Rural	1411	70	State	Lane	Increase

2015(626)HE S & STP 2015(627)HE S	Rumble strips - center	Miles			(Section 148)	Major Collector			Highway Agency	Departure	the installation of centerline rumble strips.
STP 1502(203)HE S	Roadside Barrier-metal	8 Miles	636444	636444	HSIP (Section 148)	Rural Major Collector	518	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(625)HE S	Roadway Rumble strips - center	13 Miles	23360	23360	HSIP (Section 148)	Rural Major Collector	3992	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(172)HE S	Roadside Barrier-	8 Miles	584096	584096	HSIP (Section 148)	Rural Minor	38847	55	State Highway Agency	Roadway Departure	Continue to remove

S	metal				148)	Arterial			Agency		trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(173)HE S	Roadside Barrier-metal	11 Miles	389607	389607	HSIP (Section 148)	Rural Major Collector	3446	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(170)HE S	Roadside Barrier-metal	8 Miles	958552	958552	HSIP (Section 148)	Urban Principal Arterial - Other	39195	65	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and

											protect culverts or remediate risks by other means.
STP 1502(169)HE S	Roadside Barrier-metal	7 Miles	670053	670053	HSIP (Section 148)	Urban Principal Arterial - Other	23239	65	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(136)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	74992	74992	HSIP (Section 148)	Rural Major Collector	3288	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(171)HE	Roadside Barrier-	8 Miles	268878	268878	HSIP (Section	Rural Principal	2753	75	State Highway	Roadway Departure	Continue to remove

S	metal				148)	Arterial - Other			Agency		trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(034)HE S	Roadside Barrier - other	4 Miles	459088	800470	HSIP (Section 148)	Rural Principal Arterial - Other	14107	75	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(047)HE SG	Roadway Rumble strips - edge or shoulder	25 Miles	138181	138181	HSIP (Section 148)	Rural Minor Arterial	2180	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(053)HE SG	Roadway Rumble strips - edge or shoulder	11 Miles	68506	68506	HSIP (Section 148)	Rural Major Collector	638	70	State Highway Agency	Roadway Departure	Continue to install shoulder and

											centerline rumble strips.
STP 2015(048)HE SG	Roadway Rumble strips - edge or shoulder	7 Miles	38491	38491	HSIP (Section 148)	Rural Principal Arterial - Other	2225	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(046)HE SG	Roadway Rumble strips - edge or shoulder	18 Miles	83937	83937	HSIP (Section 148)	Rural Major Collector	1472	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(043)HE SG	Roadway Rumble strips - edge or shoulder	15 Miles	54923	54923	HSIP (Section 148)	Rural Principal Arterial - Other	3426	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(049)HE	Roadway Rumble strips - edge	11 Miles	64753	64753	HSIP (Section	Rural Principal Arterial -	4142	75	State Highway	Roadway Departure	Continue to install shoulder

SG	or shoulder				148)	Other			Agency		and centerline rumble strips.
STP 2015(050)HR RG	Roadway Rumble strips - edge or shoulder	21 Miles	165177	165177	HRRRP (SAFETE A-LU)	Rural Major Collector	3632	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(789)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	926786	926786	HSIP (Section 148)	Rural Major Collector	166	70	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP	Intersection	1	377510	377510	HSIP	Rural	5877	70	State	Intersectio	Enhance

2015(796)HE S	traffic control Intersection traffic control - other	Numbers			(Section 148)	Minor Arterial			Highway Agency	ns	advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(585)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	173645	173645	HSIP (Section 148)	Rural Principal Arterial - Other	5068	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(809)HE S	Roadway Rumble strips - center	13 Miles	34263	34263	HSIP (Section 148)	Rural Minor Arterial	2894	75	State Highway Agency	Lane Departure	Increase the installation of centerline

											rumble strips.
STP 2015(800)HE S	Roadway Rumble strips - center	15 Miles	58746	58746	HSIP (Section 148)	Rural Minor Arterial	1253	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(815)HE S	Roadway Rumble strips - center	13 Miles	61014	61014	HSIP (Section 148)	Rural Major Collector	1226	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(815)HE S	Roadway Rumble strips - center	18 Miles	78488	78488	HSIP (Section 148)	Rural Major Collector	332	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(807)HE S	Roadway Rumble strips -	23 Miles	55885	55885	HSIP (Section 148)	Rural Major Collector	2128	75	State Highway Agency	Lane Departure	Increase the installation of

	center										centerline rumble strips.
STP 2015(818)HE S	Roadway Rumble strips - center	13 Miles	60746	60746	HSIP (Section 148)	Rural Major Collector	777	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(806)HE S	Roadway Rumble strips - center	14 Miles	76052	76052	HSIP (Section 148)	Rural Minor Arterial	6394	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(811)HE S	Roadway Rumble strips - center	11 Miles	58807	58807	HSIP (Section 148)	Rural Minor Arterial	1415	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(810)HE	Roadway Rumble strips -	18 Miles	82286	82286	HSIP (Section	Rural Minor	2823	75	State Highway	Lane Departure	Increase the installation

S	center				148)	Arterial			Agency		of centerline rumble strips.
STP 2015(797)HE S	Roadway Rumble strips - center	7 Miles	28119	28119	HSIP (Section 148)	Rural Minor Arterial	2756	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(798)HE S	Roadway Rumble strips - center	10 Miles	41198	41198	HSIP (Section 148)	Rural Minor Arterial	10670	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(817)HE S	Roadway Rumble strips - center	25 Miles	138627	138627	HSIP (Section 148)	Rural Major Collector	4041	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(820)HE S	Roadway Rumble	9 Miles	41811	41811	HSIP (Section	Rural Minor	5013	60	State Highway	Lane	Increase the

S	strips - center				148)	Collector			Agency	Departure	installation of centerline rumble strips.
STP 2015(803)HE S	Roadway Rumble strips - center	19 Miles	84647	84647	HSIP (Section 148)	Rural Principal Arterial - Other	4741	75	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(066)HE S	Roadway Rumble strips - edge or shoulder	3 Miles	246004	246004	HSIP (Section 148)	Urban Major Collector	37340	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(142)HE SG	Intersection traffic control Intersection traffic control - other	1 Numbers	155561	155561	HSIP (Section 148)	Rural Principal Arterial - Other	502	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing

											beacons or transverse rumble strips.
STP 1502(386)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	790877	790877	HSIP (Section 148)	Rural Principal Arterial - Other	9464	65	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(390)HE S	Roadside Barrier-metal	5 Miles	354771 6	354771 6	HSIP (Section 148)	Rural Major Collector	714	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(308)HE S	Intersection geometry Auxiliary	3 Miles	832763	832763	HSIP (Section 148)	Rural Minor Arterial	7892	65	State Highway Agency	Intersections	Add more turn bays and

	lanes - add left-turn lane										acceleration lanes on high-speed rural roads.
STP 1502(387)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	826750	826750	HSIP (Section 148)	Rural Major Collector	9299	60	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 2015(192)HE SG & STP 2015(193)HE SG	Roadway Rumble strips - edge or shoulder	12 Miles	318289	318289	HSIP (Section 148)	Rural Major Collector	12861	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(383)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	4 Miles	4110149	4110149	HSIP (Section 148)	Rural Principal Arterial - Other	22498	45	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural

											roads.
STP 2015(191)HE SG	Roadway Rumble strips - center	7 Miles	54912	54912	HSIP (Section 148)	Rural Major Collector	400	60	County Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(604)HE S	Roadway Pavement surface - high friction surface	3 Miles	122223	122223	HSIP (Section 148)	Rural Local Road or Street	400	60	County Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include increased use of chevron signs, use of speed activated curve warnings

											and LED curve displays, and high friction surface treatment.
STP 2015(605)HE S	Roadway Pavement surface - high friction surface	1 Miles	189202	189202	HSIP (Section 148)	Rural Local Road or Street	400	60	County Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include increased use of chevron signs, use of speed activated curve warnings and LED curve

											displays, and high friction surface treatment.
STP 2015(879)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	1300087	1300087	HSIP (Section 148)	Rural Principal Arterial - Other	11628	75	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 2015(410)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	78936	78936	HSIP (Section 148)	Urban Minor Collector	7735	50	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(409)HE S	Intersection traffic	1 Number	76517	76517	HSIP (Section 148)	Urban Principal	13959	65	State Highway Agency	Intersections	Enhance advanced

S	control Intersection flashers - add advance intersection warning sign-mounted	rs			148)	Arterial - Other			Agency		warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(057)HE SG	Roadside Barrier - other	2 Miles	321299	321299	HSIP (Section 148)	Rural Principal Arterial - Interstate	18039	75	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 1502(441)HE S	Roadway Pavement surface - high friction surface	2 Miles	790123	790123	HSIP (Section 148)	Rural Major Collector	1355	70	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include

											increased use of chevron signs, use of speed activated curve warnings and LED curve displays, and high friction surface treatment.
STP 2015(377)HE S & STP 2015(378)HE S	Roadway Rumble strips - edge or shoulder	14 Miles	161701	161701	HSIP (Section 148)	Rural Major Collector	335	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(376)HE S	Roadway Rumble strips - edge or shoulder	21 Miles	259668	259668	HSIP (Section 148)	Rural Principal Arterial - Other	2787	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 1502(439)HE S	Roadway Pavement surface - high friction surface	1 Miles	393632	393632	HSIP (Section 148)	Rural Major Collector	1626	70	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience. . Treatments might include increased use of chevron signs, use of speed activated curve warnings and LED curve displays, and high friction surface treatment.

<p>STP 1502(440)HE S</p>	<p>Roadway Pavement surface - high friction surface</p>	<p>2 Miles</p>	<p>664142</p>	<p>664142</p>	<p>HSIP (Section 148)</p>	<p>Rural Major Collector</p>	<p>3544</p>	<p>70</p>	<p>State Highway Agency</p>	<p>Roadway Departure</p>	<p>Provide progressiv e levels of treatment for curves based on crash experience . Treatmen s might include increased use of chevron signs, use of speed activated curve warnings and LED curve displays, and high friction surface treatment.</p>
<p>STP 2015(373)HE</p>	<p>Roadside Barrier-</p>	<p>6 Miles</p>	<p>80351</p>	<p>80351</p>	<p>HSIP (Section</p>	<p>Rural Major</p>	<p>1343</p>	<p>75</p>	<p>State Highway</p>	<p>Roadway</p>	<p>Continue to remove</p>

S	metal				148)	Collector			Agency	Departure	trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(374)HE S & STP 2015(375)HE S	Roadway Rumble strips - edge or shoulder	15 Miles	77047	77047	HSIP (Section 148)	Rural Major Collector	2021	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(396)HE S	Roadway Pavement surface - high friction surface	1 Miles	367056	367056	HSIP (Section 148)	Rural Minor Collector	674	55	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatment s might

											include increased use of chevron signs, use of speed activated curve warnings and LED curve displays, and high friction surface treatment.
STP 1502(494)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	395282	395282	HSIP (Section 148)	Urban Minor Arterial	1000	45	City of Municipal Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.

<p>STP 1502(495)HE S</p>	<p>Intersection traffic control Intersection traffic control - other</p>	<p>1 Numbers</p>	<p>150048</p>	<p>150048</p>	<p>HSIP (Section 148)</p>	<p>Urban Minor Arterial</p>	<p>1000</p>	<p>45</p>	<p>City of Municipal Highway Agency</p>	<p>Intersections</p>	<p>Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.</p>
<p>STP 1502(092)HE S</p>	<p>Intersection traffic control Intersection traffic control - other</p>	<p>1 Numbers</p>	<p>235159</p>	<p>235159</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Other</p>	<p>38098</p>	<p>45</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.</p>
<p>STP 1502(093)HE S</p>	<p>Intersection traffic control Intersection</p>	<p>1 Numbers</p>	<p>184815</p>	<p>184815</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial -</p>	<p>38098</p>	<p>45</p>	<p>State Highway Agency</p>	<p>Intersections</p>	<p>Enhance advanced warning at intersection</p>

	traffic control - other					Other					ns through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(840)HE S	Roadside Barrier-metal	8 Miles	241838	380037	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	61988	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(841)HE S	Roadside Barrier-metal	16 Miles	556932	556932	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expresswa	61205	60	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or

						ys					remediate risks by other means.
STP 2015(784)HE S	Roadway Pavement surface - high friction surface	0 Miles	128676	128676	HSIP (Section 148)	Urban Minor Collector	1000	45	City of Municipal Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include increased use of chevron signs, use of speed activated curve warnings and LED curve displays, and high friction

											surface treatment.
STP 1502(496)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	257625	257625	HSIP (Section 148)	Rural Minor Arterial	1000	45	City of Municipal Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(084)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	159709	159709	HSIP (Section 148)	Urban Minor Arterial	10649	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP	Intersection	1	145707	145707	HSIP	Urban	10649	55	State	Intersections	Enhance

1502(086)HE S	traffic control Intersection traffic control - other	Numbers			(Section 148)	Minor Arterial			Highway Agency	ns	advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(847)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	0 Miles	315300	161540 1	HSIP (Section 148)	Urban Principal Arterial - Other	8514	45	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(491)HE S	Roadside Barrier-metal	2 Miles	244606 1	244606 1	HSIP (Section 148)	Rural Major Collector	1027	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate

											risks by other means.
STP 2015(846)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	214604	214604	HSIP (Section 148)	Rural Major Collector	1027	55	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 2015(848)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	255049	255049	HSIP (Section 148)	Rural Major Collector	1027	55	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 2015(393)HE S	Roadway Rumble strips - edge or shoulder	15 Miles	138655	138655	HSIP (Section 148)	Rural Major Collector	1119	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.

<p>STP 2015(394)HE S</p>	<p>Roadway Rumble strips - edge or shoulder</p>	<p>7 Miles</p>	<p>68546</p>	<p>68546</p>	<p>HSIP (Section 148)</p>	<p>Rural Major Collector</p>	<p>3212</p>	<p>55</p>	<p>State Highway Agency</p>	<p>Roadway Departure</p>	<p>Continue to install shoulder and centerline rumble strips.</p>
<p>STP 2015(301)HE SG</p>	<p>Lighting Continuous roadway lighting</p>	<p>3 Miles</p>	<p>190692</p>	<p>190692</p>	<p>HSIP (Section 148)</p>	<p>Urban Principal Arterial - Interstate</p>	<p>99545</p>	<p>60</p>	<p>State Highway Agency</p>	<p>Intersectio ns</p>	<p>Eliminate limited sight distance on all roads. This includes high speed rural and urban intersectio ns where sight distance limitations exist due to vegetation, signing, and other obstructio</p>

											ns.
STP 1502(326)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	293513	801819	HSIP (Section 148)	Rural Minor Arterial	9899	60	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(327)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	299049	299049	HSIP (Section 148)	Rural Principal Arterial - Other	11132	60	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural roads.
STP 1502(546)HE S	Shoulder treatments Widen shoulder - paved or other	4 Miles	1468973	1468973	HSIP (Section 148)	Rural Major Collector	2773	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the

											road during road departures .
STP 2015(850)HE S	Roadside Barrier - other	1 Miles	675364	675364	HSIP (Section 148)	Urban Principal Arterial - Interstate	145896	60	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(468)HE S	Roadway Pavement surface - high friction surface	0 Miles	201117	201117	HSIP (Section 148)	Rural Principal Arterial - Other	27151	75	State Highway Agency	Roadway Departure	Provide progressive levels of treatment for curves based on crash experience . Treatments might include increased use of chevron signs, use of speed

											activated curve warnings and LED curve displays, and high friction surface treatment.
STP 2015(415)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	198723	198723	HSIP (Section 148)	Urban Minor Arterial	9510	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(243)HE S	Intersection traffic control Intersection flashers - add advance	1 Numbers	10060	10060	HSIP (Section 148)	Urban Minor Arterial	8472	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of

	intersection warning sign-mounted										signing, flashing beacons or transverse rumble strips.
STP 2015(703)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	259722	259722	HSIP (Section 148)	Urban Principal Arterial - Interstate	34265	50	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(247)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	277633	277633	HSIP (Section 148)	Urban Principal Arterial - Other	115325	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse

											rumble strips.
STP 1502(246)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	136919	136919	HSIP (Section 148)	Urban Principal Arterial - Other	62063	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(248)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	194665	194665	HSIP (Section 148)	Urban Principal Arterial - Other	3607	50	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP	Intersection	1	184515	184515	HSIP	Urban	14030	50	State	Intersections	Enhance

2015(242)HE S	traffic control Intersection traffic control - other	Numbers			(Section 148)	Principal Arterial - Other Freeways and Expressways			Highway Agency	ns	advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(205)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	76542	76542	HSIP (Section 148)	Urban Principal Arterial - Other	16850	40	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(217)HE SG & STP 2015(214)HE SG	Roadway Rumble strips - edge or shoulder	21 Miles	231440	231440	HSIP (Section 148)	Rural Minor Collector	7128	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline

											rumble strips.
STP 2015(210)HE SG	Roadway Rumble strips - edge or shoulder	14 Miles	92054	92054	HSIP (Section 148)	Rural Principal Arterial - Other	3279	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(218)HE SG	Roadway Rumble strips - edge or shoulder	14 Miles	69508	69508	HSIP (Section 148)	Rural Principal Arterial - Other	3043	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(215)HE SG & STP 2015(216)HE SG	Roadway Rumble strips - edge or shoulder	33 Miles	92400	92400	HSIP (Section 148)	Rural Major Collector	28856	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(203)HE S & STP 2015(204)HE	Intersection traffic control Intersection	1 Numbers	44036	44036	HSIP (Section 148)	Urban Principal Arterial -	23619	60	State Highway Agency	Intersections	Enhance advanced warning at intersection

S	traffic control - other					Other					ns through the use of signing, flashing beacons or transverse rumble strips.
STP 1502(158)HE S	Access management Raised island - install new	1 Miles	137712	137712	HSIP (Section 148)	Urban Principal Arterial - Other	20673	50	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(209)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	31805	31805	HSIP (Section 148)	Urban Principal Arterial - Other	7145	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP	Roadway	13	128996	128996	HSIP	Rural	8947	75	State	Roadway	Continue

2015(211)HE SG	Rumble strips - edge or shoulder	Miles			(Section 148)	Principal Arterial - Other			Highway Agency	Departure	to install shoulder and centerline rumble strips.
STP 2015(212)HE SG & STP 2015(213)HE SG	Roadway Rumble strips - edge or shoulder	20 Miles	114070	114070	HSIP (Section 148)	Rural Principal Arterial - Other	7412	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(208)HE S	Intersection traffic control Intersection traffic control - other	2 Miles	112317	112317	HSIP (Section 148)	Urban Principal Arterial - Other	24210	45	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(206)HE	Intersection traffic	2 Miles	21964	21964	HSIP (Section 148)	Urban Principal	41302	35	State Highway Agency	Intersections	Enhance advanced

S	control Intersection traffic control - other				148)	Arterial - Other			Agency		warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(207)HE S	Intersection traffic control Intersection traffic control - other	3 Miles	51203	51203	HSIP (Section 148)	Urban Principal Arterial - Other	37256	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(228)HE SG	Roadway Rumble strips - edge or shoulder	14 Miles	98745	98745	HSIP (Section 148)	Rural Minor Arterial	5121	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(227)HE SG	Roadway Rumble strips - edge or shoulder	19 Miles	136223	136223	HSIP (Section 148)	Rural Minor Arterial	2255	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(185)HE S	Roadside Barrier-metal	2 Miles	406251	406251	HSIP (Section 148)	Rural Major Collector	1616	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 1502(186)HE S	Roadside Barrier-metal	3 Miles	231816	231816	HSIP (Section 148)	Rural Minor Collector	2142	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect

											culverts or remediate risks by other means.
STP 2015(619)HE S	Shoulder treatments Widen shoulder - paved or other	1 Miles	548619	548619	HSIP (Section 148)	Rural Minor Collector	893	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 1502(407)HE S	Intersection geometry Auxiliary lanes - add left-turn lane	1 Numbers	315583	315583	HSIP (Section 148)	Urban Minor Arterial	4314	60	State Highway Agency	Intersections	Add more turn bays and acceleration lanes on high-speed rural

											roads.
STP 2015(083)HE SG	Roadway Rumble strips - edge or shoulder	9 Miles	62896	62896	HSIP (Section 148)	Rural Minor Arterial	4598	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(082)HE SG	Roadway Rumble strips - edge or shoulder	19 Miles	138952	138952	HSIP (Section 148)	Rural Principal Arterial - Other	5914	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 1502(558)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	246021 4	246021 4	HSIP (Section 148)	Rural Major Collector	4531	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during

											road departures
STP 2015(084)HE SG	Roadway Rumble strips - edge or shoulder	12 Miles	98262	98262	HSIP (Section 148)	Rural Principal Arterial - Other	2411	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(086)HE SG	Roadway Rumble strips - edge or shoulder	28 Miles	203256	203256	HSIP (Section 148)	Rural Minor Arterial	2683	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(085)HE SG	Roadway Rumble strips - edge or shoulder	6 Miles	62060	62060	HSIP (Section 148)	Rural Principal Arterial - Other	17224	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
SPT 2015(081)HE	Roadway Rumble strips -	10 Miles	83176	83176	HSIP (Section	Rural Principal Arterial -	7827	55	State Highway	Lane Departure	Increase the installation

SG	center				148)	Other			Agency		of centerline rumble strips.
STP 1502(557)HE S	Shoulder treatments Widen shoulder - paved or other	9 Miles	262342 6	262342 6	HSIP (Section 148)	Rural Major Collector	1378	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(090)HE SG	Roadway Rumble strips - edge or shoulder	5 Miles	33868	33868	HSIP (Section 148)	Rural Major Collector	823	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP	Roadway	3 Miles	119695	119695	HSIP	Rural	11100	55	State	Roadway	Continue

2015(087)HE SG	Rumble strips - edge or shoulder				(Section 148)	Principal Arterial - Other			Highway Agency	Departure	to install shoulder and centerline rumble strips.
STP 2015(088)HE SG	Roadway Rumble strips - edge or shoulder	17 Miles	106576	106576	HSIP (Section 148)	Rural Principal Arterial - Other	4367	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(089)HE SG	Roadway Rumble strips - edge or shoulder	17 Miles	128224	128224	HSIP (Section 148)	Rural Principal Arterial - Other	3820	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(909)HE S	Intersection traffic control Intersection flashers - add advance intersection	1 Numbers	27610	27610	HSIP (Section 148)	Rural Minor Arterial	921	75	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing,

	warning sign-mounted										flashing beacons or transverse rumble strips.
STP 2015(913)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	25614	25614	HSIP (Section 148)	Rural Major Collector	4513	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(910)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	22121	22121	HSIP (Section 148)	Rural Principal Arterial - Other	8129	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(915)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbe rs	26160	26160	HSIP (Section 148)	Rural Major Collector	1117	55	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(923)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbe rs	22277	22277	HSIP (Section 148)	Urban Minor Arterial	7874	30	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(929)HE S	Intersection traffic	1 Numbe rs	21583	21583	HSIP (Section 148)	Urban Minor Arterial	5164	60	State Highway Agency	Intersectio ns	Enhance advanced

S	control Intersection flashers - add advance intersection warning sign-mounted	rs			148)	Arterial			Agency		warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(908)HES	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	21068	21068	HSIP (Section 148)	Urban Principal Arterial - Other	13182	40	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(038)HESG	Roadway Rumble strips - edge or shoulder	3 Miles	65580	65580	HSIP (Section 148)	Rural Principal Arterial - Other	354	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble

											strips.
STP 2015(039)HE SG	Roadway Rumble strips - edge or shoulder	3 Miles	64141	64141	HSIP (Section 148)	Rural Principal Arterial - Other	354	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(904)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	49953	49953	HSIP (Section 148)	Urban Principal Arterial - Other	14098	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(905)HE S	Intersection traffic control Intersection flashers - add advance intersection	1 Numbers	20559	20559	HSIP (Section 148)	Urban Principal Arterial - Other	12818	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing,

	warning sign-mounted										flashing beacons or transverse rumble strips.
STP 2015(911)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	20477	20477	HSIP (Section 148)	Rural Major Collector	2462	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(912)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	23661	23661	HSIP (Section 148)	Rural Major Collector	12847	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(921)HE S	Lighting Continuous roadway lighting	1 Numbers	69050	69050	HSIP (Section 148)	Rural Principal Arterial - Other	11608	60	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(922)HE S	Intersection traffic control Intersection flashers -	1 Numbers	20514	20514	HSIP (Section 148)	Rural Principal Arterial - Other	7914	60	State Highway Agency	Intersections	Enhance advanced warning at intersections through

	add advance intersection warning sign-mounted										the use of signing, flashing beacons or transverse rumble strips.
STP 2015(916)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	20506	20506	HSIP (Section 148)	Rural Minor Arterial	5363	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(917)HE S	Lighting Continuous roadway lighting	1 Miles	74141	74141	HSIP (Section 148)	Rural Major Collector	7229	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and

											urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(918)HS	Lighting Continuous roadway lighting	1 Miles	66499	66499	HSIP (Section 148)	Urban Minor Collector	7229	55	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due

											to vegetation, signing, and other obstructions.
STP 2015(924)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	18861	18861	HSIP (Section 148)	Rural Principal Arterial - Other	23710	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(925)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-	1 Numbers	20250	20250	HSIP (Section 148)	Rural Major Collector	17871	45	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse

	mounted										rumble strips.
STP 2015(926)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	102112	102112	HSIP (Section 148)	Urban Principal Arterial - Other	11392	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(928)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	21836	21836	HSIP (Section 148)	Urban Principal Arterial - Other	23908	50	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP	Intersection	1	19657	19657	HSIP	Urban	62188	65	State	Intersections	Enhance

2015(906)HE S	traffic control Intersection flashers - add advance intersection warning sign-mounted	Numbers			(Section 148)	Principal Arterial - Other Freeways and Expressways			Highway Agency	ns	advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(907)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	20969	20969	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	62188	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(920)HE S	Lighting Continuous roadway lighting	1 Numbers	84619	84619	HSIP (Section 148)	Rural Minor Collector	690	60	State Highway Agency	Intersections	Eliminate limited sight distance on all

											roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(914)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	23115	23115	HSIP (Section 148)	Rural Minor Arterial	2807	65	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(927)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbe rs	21748	21748	HSIP (Section 148)	Rural Major Collector	733	55	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(901)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbe rs	22089	22089	HSIP (Section 148)	Rural Principal Arterial - Other	20754	40	State Highway Agency	Intersectio ns	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(902)HE S	Intersection traffic	1 Numbe rs	23835	23835	HSIP (Section 148)	Rural Principal	21474	45	State Highway Agency	Intersectio ns	Enhance advanced

S	control Intersection flashers - add advance intersection warning sign-mounted	rs			148)	Arterial - Other			Agency		warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(903)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	23984	23984	HSIP (Section 148)	Rural Principal Arterial - Other	22398	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(919)HE S	Intersection traffic control Intersection flashers - add advance	1 Numbers	26300	26300	HSIP (Section 148)	Rural Minor Arterial	2081	55	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of

	intersection warning sign-mounted										signing, flashing beacons or transverse rumble strips.
STP 2015(040)HE SG	Roadway Rumble strips - edge or shoulder	13 Miles	147103	147103	HSIP (Section 148)	Rural Major Collector	896	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(041)HE SG	Roadway Rumble strips - edge or shoulder	22 Miles	259922	259922	HSIP (Section 148)	Rural Minor Arterial	10142	75	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(733)HE S	Shoulder treatments Widen shoulder - paved or other	6 Miles	229359 9	229359 9	HSIP (Section 148)	Rural Principal Arterial - Interstate	31183	75	State Highway Agency	Roadway Departure	Install more pavement width to allow edge lines.

STP 2015(734)HE S	Shoulder treatments Widen shoulder - paved or other	2 Miles	135250 3	135250 3	HSIP (Section 148)	Rural Principal Arterial - Interstate	22697	75	State Highway Agency	Roadway Departure	Install more pavement width to allow edge lines.
STP 2015(729)HE S	Roadway Rumble strips - edge or shoulder	13 Miles	199607	199607	HSIP (Section 148)	Rural Major Collector	10250	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(934)HE S	Roadside Barrier-metal	3 Miles	530989	530989	HSIP (Section 148)	Rural Minor Arterial	898	55	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(933)HE	Shoulder treatments	6 Miles	255397 6	255397 6	HSIP (Section 148)	Rural Minor	529	55	State Highway Agency	Roadway Departure	Install more

S	Widen shoulder - paved or other				148)	Arterial			Agency		pavement width to allow edge lines.
STP 2015(935)HE S	Roadside Barrier-metal	6 Miles	1760096	1760096	HSIP (Section 148)	Rural Principal Arterial - Other	11417	65	State Highway Agency	Roadway Departure	Continue to remove trees, relocate utility poles, and protect culverts or remediate risks by other means.
STP 2015(580)HE S	Intersection traffic control Intersection traffic control - other	1 Numbers	2187618	2187618	HSIP (Section 148)	Urban Principal Arterial - Other	28140	50	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble

											strips.
STP 2015(937)HE S	Access management Raised island - install new	3 Miles	485383	485383	HSIP (Section 148)	Urban Principal Arterial - Other	41661	45	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(732)HE S	Roadway Rumble strips - edge or shoulder	5 Miles	88054	88054	HSIP (Section 148)	Rural Major Collector	13773	45	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(195)HE SG	Lighting Continuous roadway lighting	1 Miles	161836	161836	HSIP (Section 148)	Rural Principal Arterial - Interstate	12554 6	65	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight

											distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(723)HES	Roadway Rumble strips - edge or shoulder	1 Miles	87588	87588	HSIP (Section 148)	Urban Principal Arterial - Interstate	125546	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(724)HES	Roadway Rumble strips - edge or shoulder	1 Miles	90413	90413	HSIP (Section 148)	Urban Principal Arterial - Interstate	122589	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(196)HESG	Lighting Continuous roadway lighting	7 Miles	1225047	1225047	HSIP (Section 148)	Rural Principal Arterial - Interstate	72119	70	State Highway Agency	Intersections	Eliminate limited sight distance

											on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(287)HE SG	Roadside Barrier - other	2 Miles	235123	235123	HSIP (Section 148)	Rural Minor Arterial	22929	60	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(289)HE SG	Roadside Barrier - other	10 Miles	547672	547672	HSIP (Section 148)	Rural Principal Arterial -	98154	65	State Highway Agency	Lane Departure	Install more concrete and cable

						Other					median barriers.
STP 2015(197)HE SG & STP 2015(198)HE SG	Lighting Continuous roadway lighting	2 Miles	462521	462521	HSIP (Section 148)	Urban Principal Arterial - Other Freeways and Expressways	121680	70	State Highway Agency	Intersections	Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(451)HE SG	Lighting Continuous roadway	3 Miles	705000	863336	HSIP (Section 148)	Urban Principal Arterial - Other	95195	70	State Highway Agency	Intersections	Eliminate limited sight distance

	lighting					Freeways and Expressways					on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.
STP 2015(288)HESG	Roadside Barrier - other	6 Miles	772166	772166	HSIP (Section 148)	Rural Principal Arterial - Other	24120	65	State Highway Agency	Lane Departure	Install more concrete and cable median barriers.
STP 2015(285)HES	Roadside Barrier - concrete	11 Miles	7142617	7142617	HSIP (Section 148)	Rural Major Collector	19598	55	State Highway Agency	Lane Departure	Install more concrete and cable

											median barriers.
STP 1502(269)HE S	Roadway Pavement surface - high friction surface	1 Numbers	155716	155716	HSIP (Section 148)	Rural Major Collector	7916	55	State Highway Agency	Intersections	Provide high friction surface treatments at intersection approaches to reduce vehicle stopping distances.
STP 1502(271)HE S	Roadway Pavement surface - high friction surface	1 Numbers	286140	286140	HSIP (Section 148)	Rural Minor Arterial	5591	60	State Highway Agency	Intersections	Provide high friction surface treatments at intersection approaches to reduce vehicle stopping

											distances.
STP 1502(272)HE S	Roadway Pavement surface - high friction surface	1 Numbers	299822	299822	HSIP (Section 148)	Rural Minor Arterial	18542	65	State Highway Agency	Intersections	Provide high friction surface treatments at intersection approaches to reduce vehicle stopping distances.
STP 1502(268)HE S	Roadway Pavement surface - high friction surface	1 Numbers	211368	211368	HSIP (Section 148)	Rural Minor Arterial	9403	70	State Highway Agency	Intersections	Provide high friction surface treatments at intersection approaches to reduce vehicle stopping distances.

<p>STP 1502(266)HE S</p>	<p>Roadway Pavement surface - high friction surface</p>	<p>1 Numbe rs</p>	<p>310138</p>	<p>310138</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>9430</p>	<p>70</p>	<p>State Highway Agency</p>	<p>Intersectio ns</p>	<p>Provide high friction surface treatments at intersectio n approache s to reduce vehicle stopping distances.</p>
<p>STP 2015(725)HE S</p>	<p>Roadway Rumble strips - center</p>	<p>13 Miles</p>	<p>200475</p>	<p>200475</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>16305</p>	<p>70</p>	<p>State Highway Agency</p>	<p>Lane Departure</p>	<p>Increase the installation of centerline rumble strips.</p>
<p>STP 2015(731)HE S</p>	<p>Roadway Rumble strips - edge or shoulder</p>	<p>7 Miles</p>	<p>114209</p>	<p>114209</p>	<p>HSIP (Section 148)</p>	<p>Rural Minor Arterial</p>	<p>16680</p>	<p>55</p>	<p>State Highway Agency</p>	<p>Roadway Departure</p>	<p>Continue to install shoulder and centerline rumble strips.</p>

STP 2015(730)HE S	Intersection traffic control Intersection flashers - add advance intersection warning sign-mounted	1 Numbers	31580	31580	HSIP (Section 148)	Rural Minor Arterial	3202	75	State Highway Agency	Intersections	Enhance advanced warning at intersections through the use of signing, flashing beacons or transverse rumble strips.
STP 2015(727)HE S	Roadway Rumble strips - edge or shoulder	16 Miles	191743	191743	HSIP (Section 148)	Rural Major Collector	8661	65	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(726)HE S	Roadway Rumble strips - edge or shoulder	8 Miles	105256	105256	HSIP (Section 148)	Rural Minor Arterial	5453	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP	Intersection	1	443845	443845	HSIP	Rural	3677	60	State	Intersections	Add more

1502(270)HE S	geometry Auxiliary lanes - add left-turn lane	Numbers			(Section 148)	Major Collector			Highway Agency	ns	turn bays and acceleration lanes on high-speed rural roads.
STP 2015(091)HE SG	Roadway Rumble strips - center	16 Miles	218932	218932	HSIP (Section 148)	Rural Major Collector	489	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(101)HE SG	Roadway Rumble strips - center	12 Miles	50871	50871	HSIP (Section 148)	Rural Minor Arterial	2134	65	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(121)HE SG	Roadway Rumble strips - center	9 Miles	40277	40277	HSIP (Section 148)	Rural Major Collector	5177	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble

											strips.
STP 2015(131)HE SG & STP 2015(092)HE SG	Roadway Rumble strips - center	24 Miles	104286	104286	HSIP (Section 148)	Rural Major Collector	2312	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(102)HE SG & STP 2015(112)HE SG	Roadway Rumble strips - center	16 Miles	68188	68188	HSIP (Section 148)	Rural Minor Arterial	2388	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(122)HE SG	Roadway Rumble strips - center	8 Miles	24550	24550	HSIP (Section 148)	Rural Major Collector	2060	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(284)HE S	Shoulder treatments Widen shoulder - paved or	1 Miles	607132	607132	HSIP (Section 148)	Urban Minor Collector	1787	55	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM

	other										roads to increase the "forgiveness" of the road during road departures .
STP 2015(132)HE SG	Roadway Rumble strips - edge or shoulder	4 Miles	33073	33073	HSIP (Section 148)	Urban Minor Collector	5221	55	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(093)HE SG	Roadway Rumble strips - center	8 Miles	30385	30385	HSIP (Section 148)	Urban Minor Arterial	2768	50	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(103)HE SG	Roadway Rumble strips -	5 Miles	32608	32608	HSIP (Section 148)	Urban Minor Arterial	8635	70	State Highway Agency	Lane Departure	Increase the installation

	center										of centerline rumble strips.
STP 2015(113)HE SG	Roadway Rumble strips - center	6 Miles	17198	17198	HSIP (Section 148)	Urban Minor Arterial	11187	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(123)HE SG	Roadway Rumble strips - center	5 Miles	23530	23530	HSIP (Section 148)	Rural Major Collector	729	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(331)HE SG	Roadway Rumble strips - center	9 Miles	42179	42179	HSIP (Section 148)	Rural Major Collector	729	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(133)HE	Roadway Rumble	9 Miles	38809	38809	HSIP (Section	Rural Minor	354	55	State Highway	Lane	Increase the

SG	strips - center				148)	Collector			Agency	Departure	installation of centerline rumble strips.
STP 2015(094)HE SG	Roadway Rumble strips - edge or shoulder	6 Miles	52358	52358	HSIP (Section 148)	Rural Major Collector	2152	60	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(104)HE SG	Roadway Rumble strips - center	8 Miles	34556	34556	HSIP (Section 148)	Rural Major Collector	427	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(114)HE SG	Roadway Rumble strips - center	11 Miles	50721	50721	HSIP (Section 148)	Rural Major Collector	2747	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.

STP 2015(124)HE SG	Roadway Rumble strips - center	9 Miles	38595	38595	HSIP (Section 148)	Rural Major Collector	327	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 1502(285)HE S	Shoulder treatments Widen shoulder - paved or other	3 Miles	157751 9	157751 9	HSIP (Section 148)	Rural Major Collector	910	60	State Highway Agency	Roadway Departure	Increase the use of paved shoulders on FM roads to increase the "forgiveness" of the road during road departures .
STP 2015(105)HE SG & STP 2015(134)HE SG	Roadway Rumble strips - center	9 Miles	32991	32991	HSIP (Section 148)	Rural Minor Arterial	4839	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble

											strips.
STP 2015(095)HE SG	Roadway Rumble strips - center	6 Miles	20634	20634	HSIP (Section 148)	Rural Minor Arterial	2666	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(135)HE SG, STP 2015(125)HE SG & STP 2015(115)HE SG	Roadway Rumble strips - center	18 Miles	79702	79702	HSIP (Section 148)	Rural Minor Arterial	6883	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(096)HE SG	Roadway Rumble strips - center	3 Miles	13105	13105	HSIP (Section 148)	Rural Major Collector	2849	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(116)HE SG	Roadway Rumble strips - center	6 Miles	25637	25637	HSIP (Section 148)	Rural Minor Arterial	10482	60	State Highway Agency	Lane Departure	Increase the installation of centerline

											rumble strips.
STP 2015(136)HE SG	Roadway Rumble strips - center	11 Miles	45038	45038	HSIP (Section 148)	Rural Major Collector	2145	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(097)HE SG	Roadway Rumble strips - center	5 Miles	16754	16754	HSIP (Section 148)	Rural Principal Arterial - Other	5423	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(127)HE SG & STP 2015(117)HE SG	Roadway Rumble strips - center	6 Miles	20082	20082	HSIP (Section 148)	Urban Minor Collector	8987	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(098)HE SG	Roadway Rumble strips -	3 Miles	17003	17003	HSIP (Section 148)	Rural Major Collector	4968	60	State Highway Agency	Lane Departure	Increase the installation of

	center										centerline rumble strips.
STP 2015(108)HE SG	Roadway Rumble strips - center	13 Miles	54424	54424	HSIP (Section 148)	Rural Major Collector	2718	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(111)HE SG & STP 2015(137)HE SG & STP 2015(106)HE SG	Roadway Rumble strips - center	13 Miles	55406	55406	HSIP (Section 148)	Rural Major Collector	4968	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(330)HE SG	Roadway Rumble strips - center	10 Miles	44580	44580	HSIP (Section 148)	Rural Major Collector	7677	35	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(118)HE	Roadway Rumble strips -	11 Miles	41429	41429	HSIP (Section	Rural Major	2427	55	State Highway	Lane Departure	Increase the installation

SG	center				148)	Collector			Agency		of centerline rumble strips.
STP 2015(329)HE SG	Roadway Rumble strips - center	11 Miles	74848	74848	HSIP (Section 148)	Rural Major Collector	1253	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(128)HE SG	Roadway Rumble strips - center	9 Miles	38008	38008	HSIP (Section 148)	Rural Major Collector	2914	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(138)HE SG	Roadway Rumble strips - center	12 Miles	51920	51920	HSIP (Section 148)	Rural Major Collector	957	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(099)HE	Roadway Rumble	7 Miles	27986	27986	HSIP (Section	Rural Major	599	55	State Highway	Lane	Increase the

SG	strips - center				148)	Collector			Agency	Departure	installation of centerline rumble strips.
STP 2015(109)HE SG	Roadway Rumble strips - center	9 Miles	39801	39801	HSIP (Section 148)	Rural Major Collector	1878	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(119)HE SG & STP 2015(129)HE SG	Roadway Rumble strips - edge or shoulder	23 Miles	156593	156593	HSIP (Section 148)	Rural Minor Arterial	4508	70	State Highway Agency	Roadway Departure	Continue to install shoulder and centerline rumble strips.
STP 2015(139)HE SG	Roadway Rumble strips - center	13 Miles	43997	43997	HSIP (Section 148)	Rural Minor Arterial	5394	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.

STP 2015(313)HE SG	Roadway Rumble strips - center	14 Miles	55304	55304	HSIP (Section 148)	Rural Minor Arterial	2933	70	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(328)HE SG & STP 2015(327)HE SG	Roadway Rumble strips - center	5 Miles	27318	27318	HSIP (Section 148)	Rural Major Collector	642	55	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(110)HE SG	Roadway Rumble strips - center	11 Miles	29987	29987	HSIP (Section 148)	Rural Major Collector	3445	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(120)HE SG	Roadway Rumble strips - center	10 Miles	45430	45430	HSIP (Section 148)	Rural Major Collector	630	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble

											strips.
STP 2015(140)HE SG	Roadway Rumble strips - center	8 Miles	38615	38615	HSIP (Section 148)	Rural Major Collector	880	60	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(130)HE SG	Roadway Rumble strips - center	11 Miles	50752	50752	HSIP (Section 148)	Rural Major Collector	1750	50	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
STP 2015(141)HE SG	Roadway Rumble strips - center	17 Miles	65596	65596	HSIP (Section 148)	Rural Minor Arterial	1114	50	State Highway Agency	Lane Departure	Increase the installation of centerline rumble strips.
IG 2002(961)SF T	Miscellaneo us	0	600000 0	600000 0	HSIP (Section 148)		0	0		Data	Crash Records Informatio n System

											(CRIS).

Progress in Achieving Safety Performance Targets

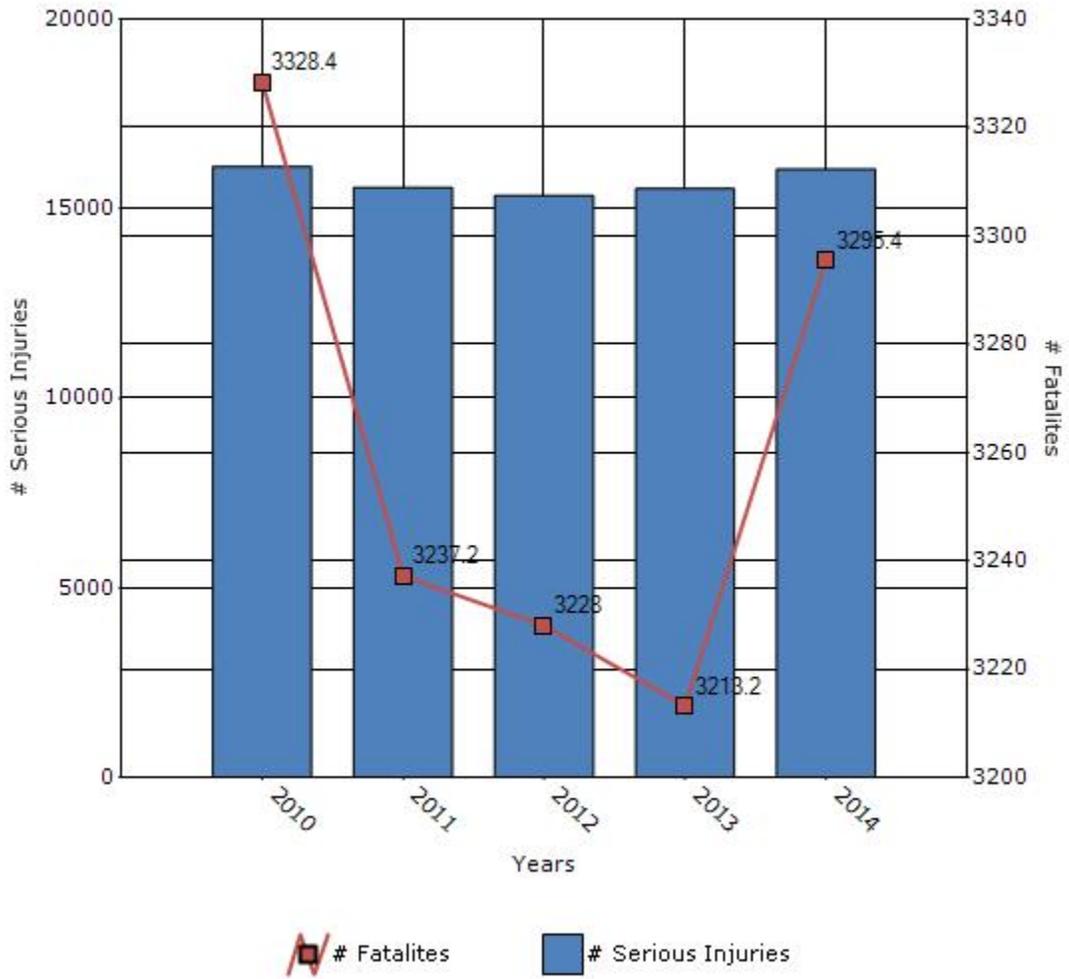
Overview of General Safety Trends

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

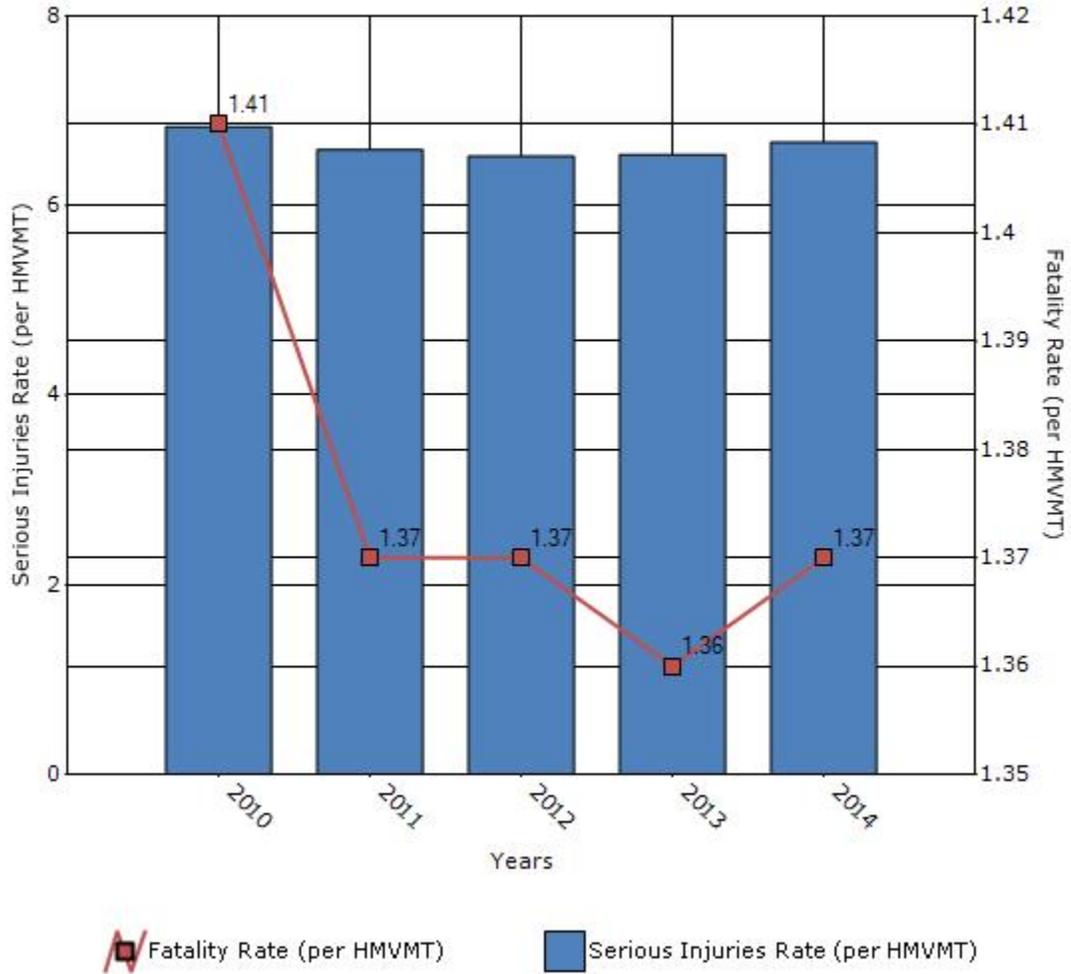
Performance Measures*	2010	2011	2012	2013	2014
Number of fatalities	3328.4	3237.2	3228	3213.2	3295.4
Number of serious injuries	16106.4	15553.6	15346	15527.6	16042.8
Fatality rate (per HMVMT)	1.41	1.37	1.37	1.36	1.37
Serious injury rate (per HMVMT)	6.83	6.59	6.52	6.54	6.67

*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



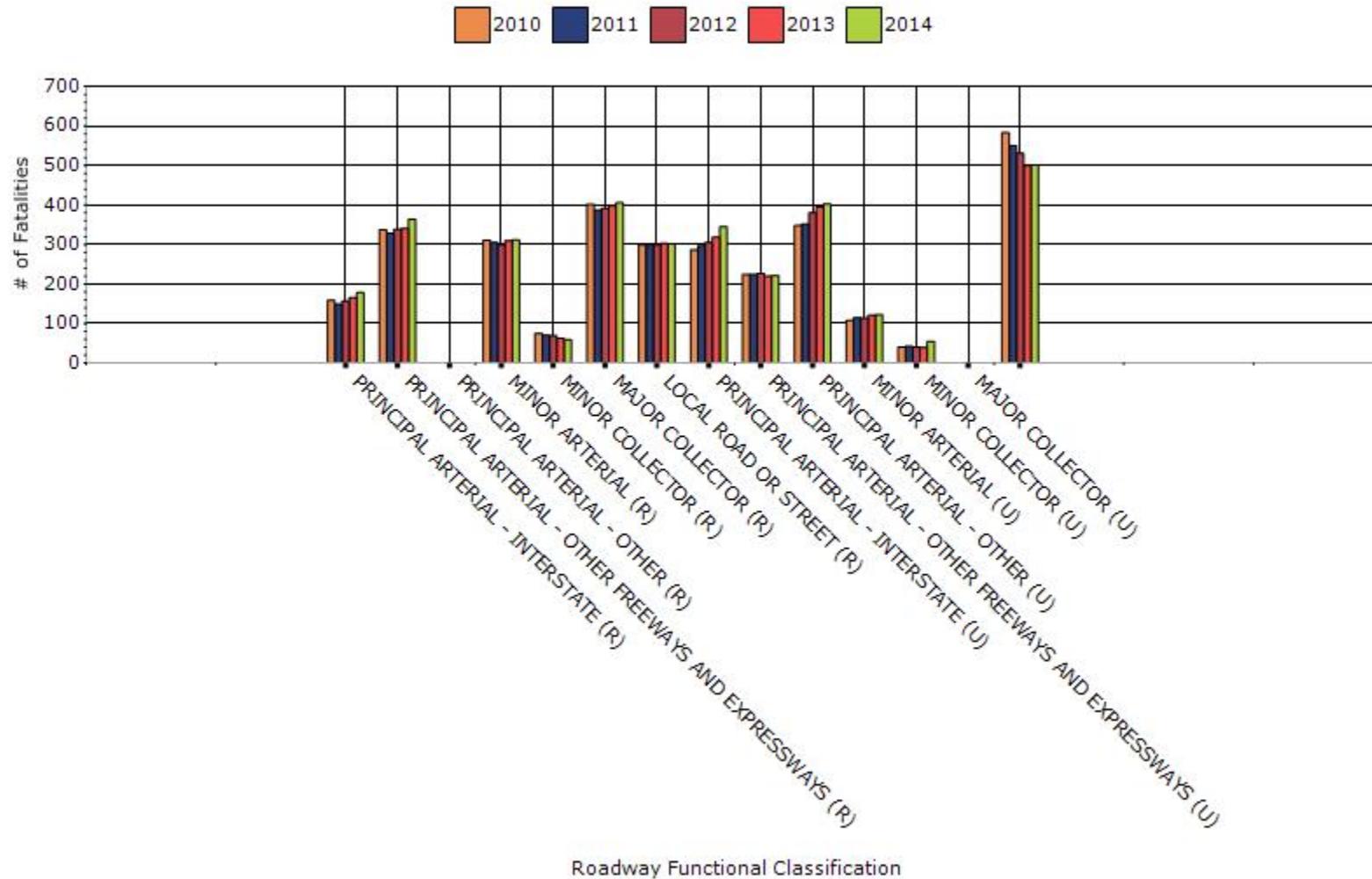
To the maximum extent possible, present performance measure* data by functional classification and ownership.

Year - 2014

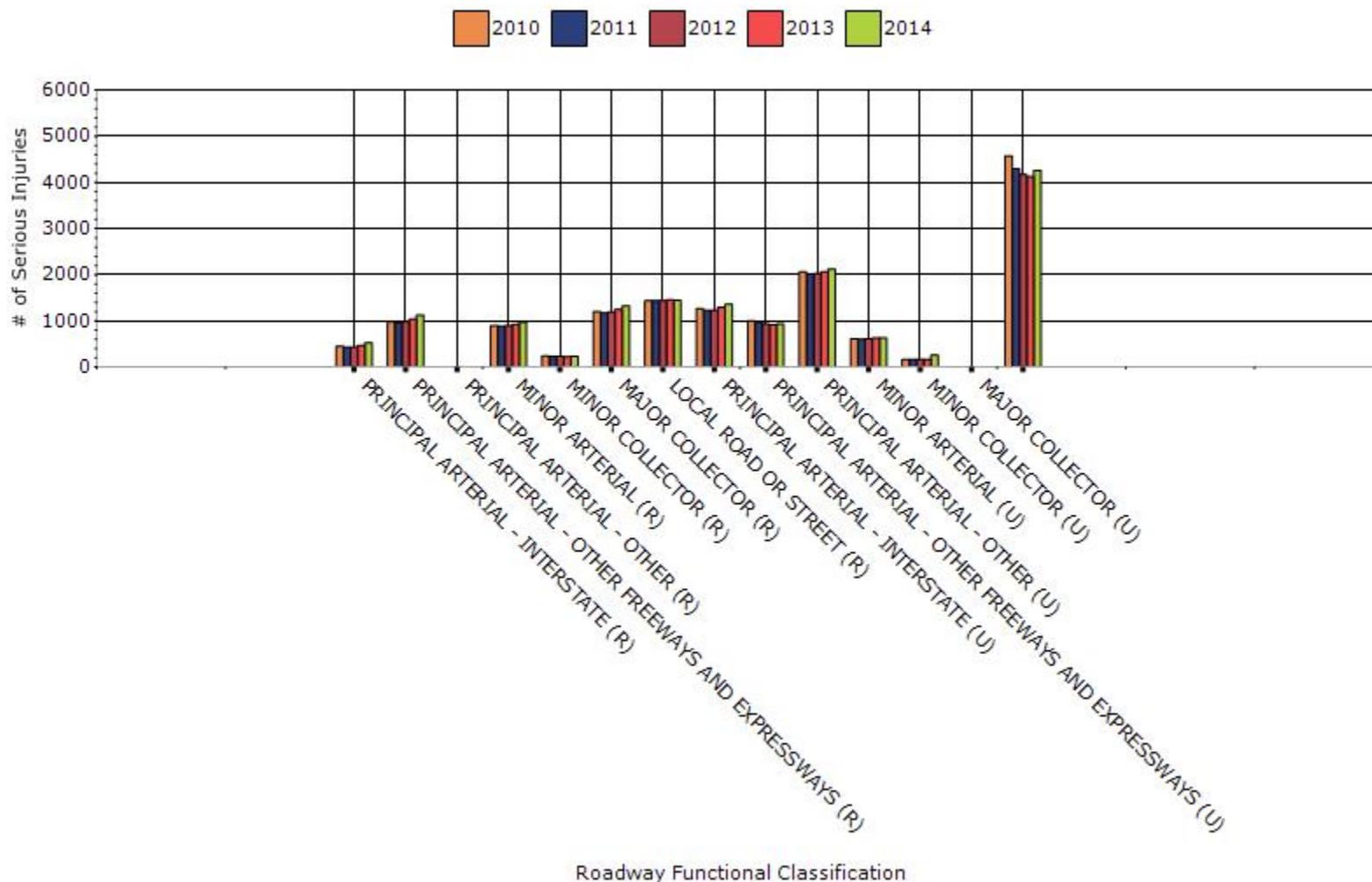
Function Classification	Number of fatalities	Number of serious injuries	Fatality rate (per HMVMT)	Serious injury rate (per HMVMT)
RURAL PRINCIPAL ARTERIAL - INTERSTATE	178.4	522.4	1.12	3.29
RURAL PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXPRESSWAYS	364	1129.6	1.16	3.61
RURAL PRINCIPAL ARTERIAL - OTHER	0	0	0	0
RURAL MINOR ARTERIAL	311.4	977.6	2.56	8.03
RURAL MINOR COLLECTOR	58.8	232.6	2.43	9.7
RURAL MAJOR COLLECTOR	405.6	1326	2.96	9.69
RURAL LOCAL ROAD OR STREET	301.6	1443	5.68	27.18
URBAN PRINCIPAL	345.2	1361.8	0.82	3.24

ARTERIAL - INTERSTATE				
URBAN PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXPRESSWAYS	221.4	931.6	0.73	3.09
URBAN PRINCIPAL ARTERIAL - OTHER	402.4	2120	1.08	5.69
URBAN MINOR ARTERIAL	122.4	631.2	0.42	2.18
URBAN MINOR COLLECTOR	54.4	260.8	0.24	1.13
URBAN MAJOR COLLECTOR	0	0	0	0
URBAN LOCAL ROAD OR STREET	501	4260.8	5.75	48.85

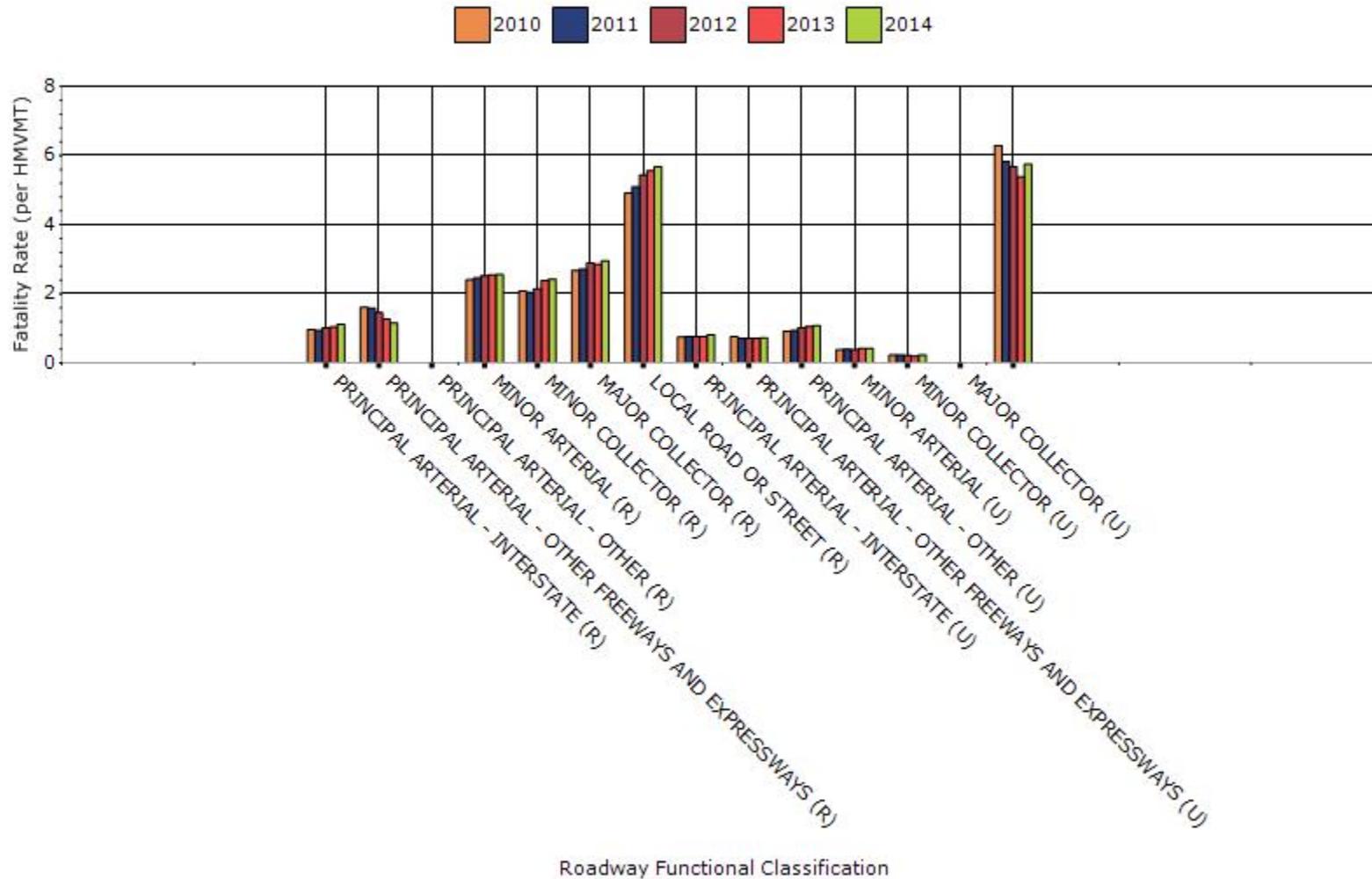
Fatalities by Roadway Functional Classification



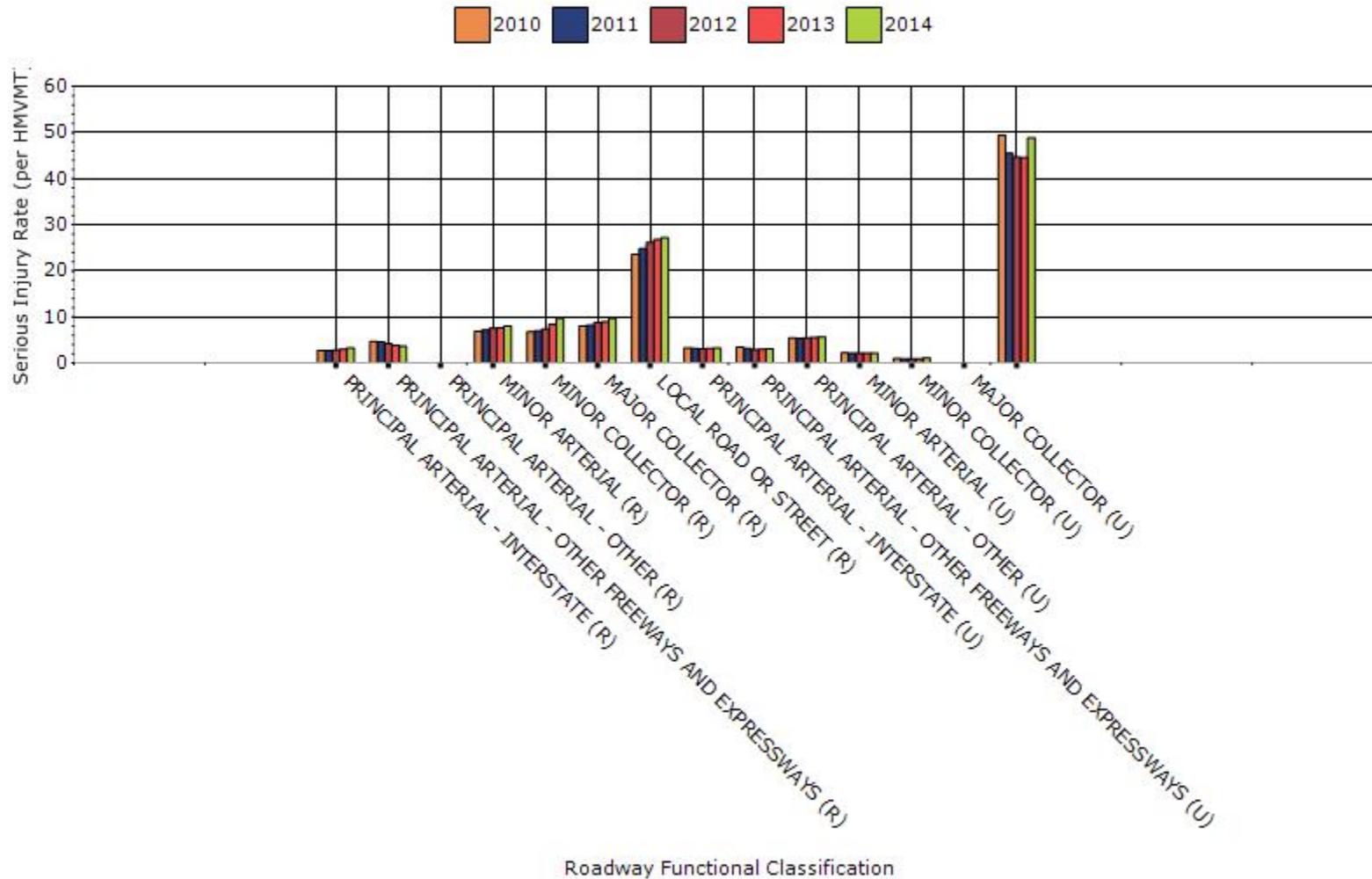
Serious Injuries by Roadway Functional Classification



Fatality Rate by Roadway Functional Classification



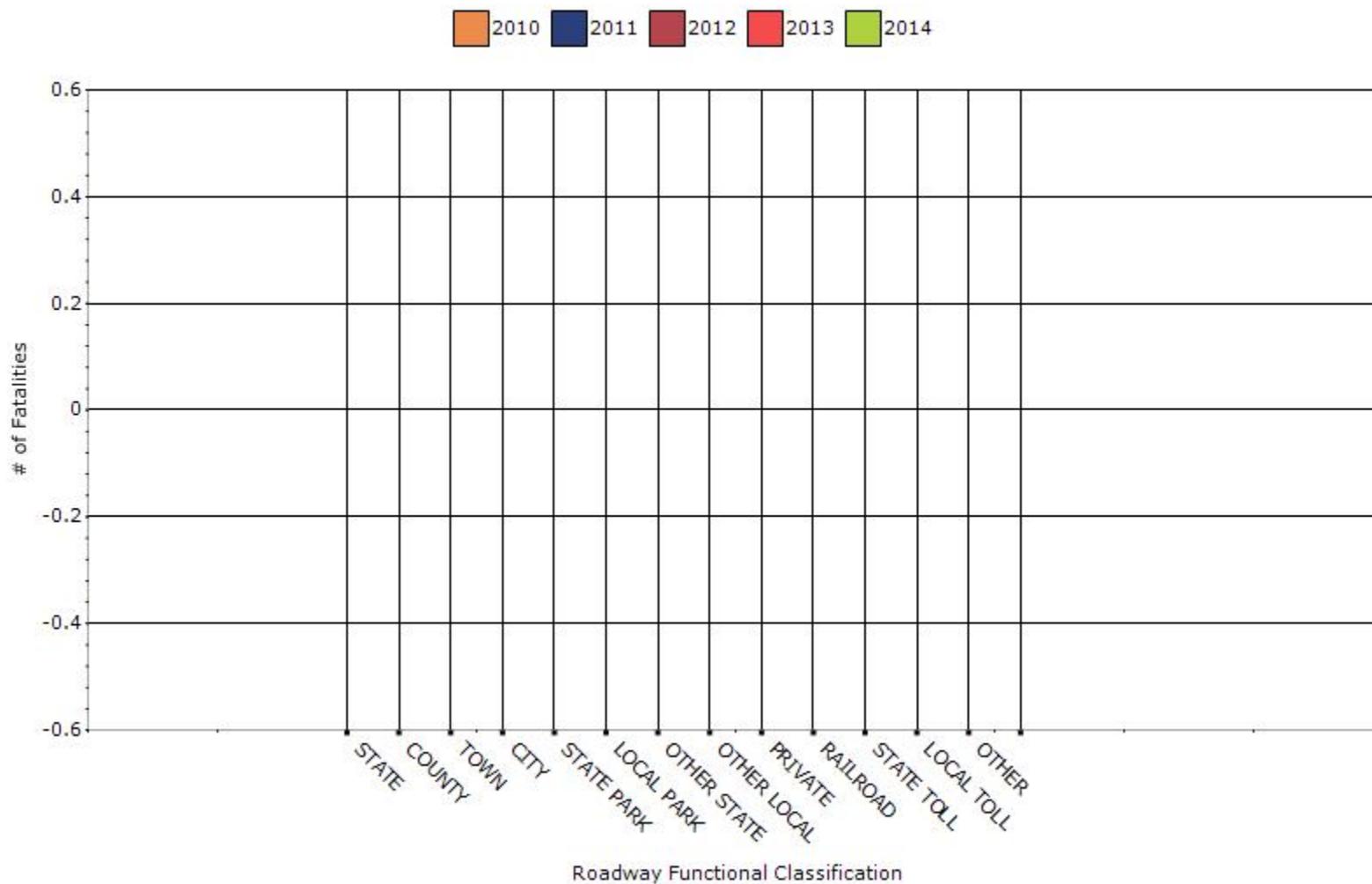
Serious Injury Rate by Roadway Functional Classification



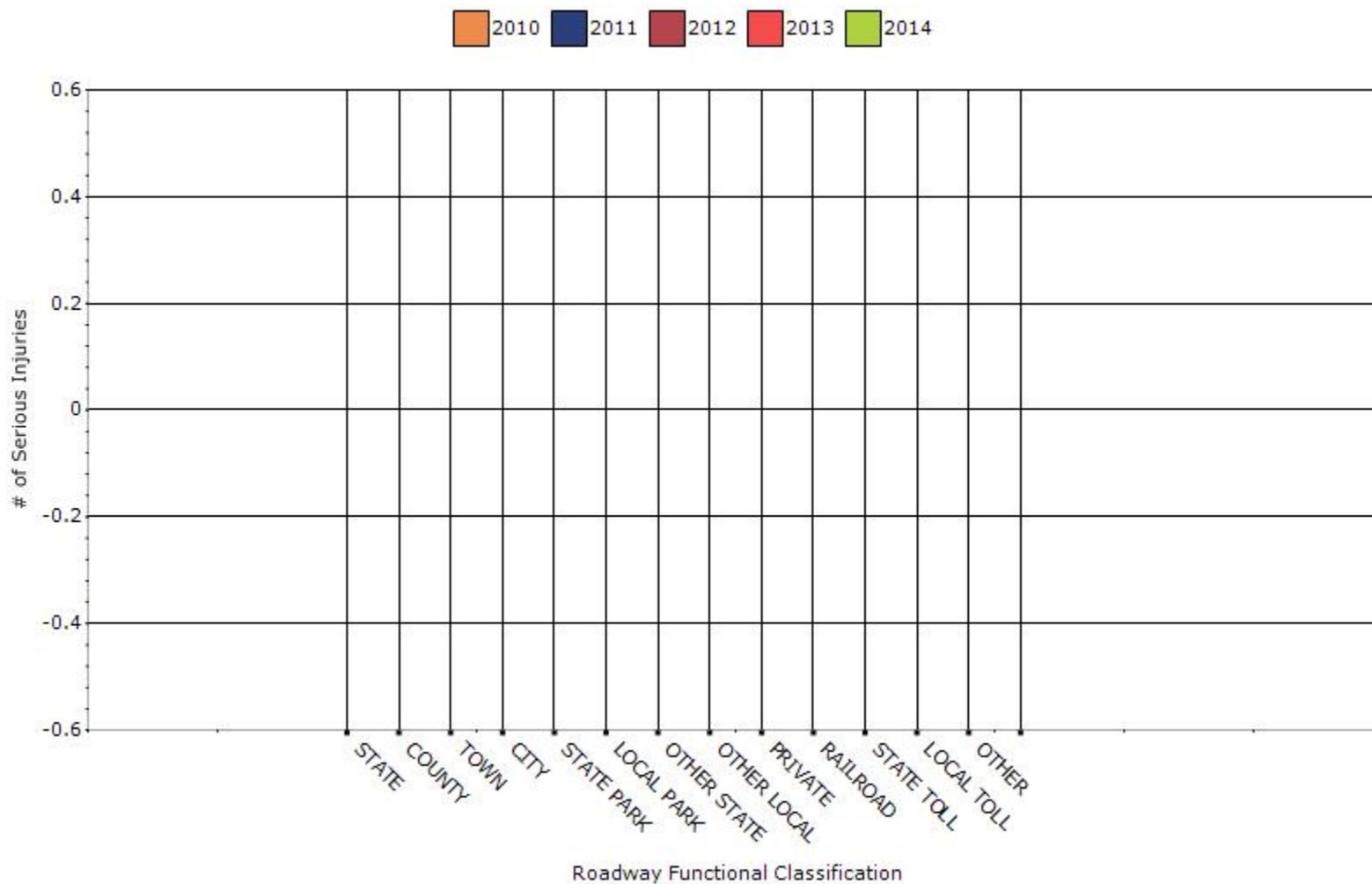
Year - 2010

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

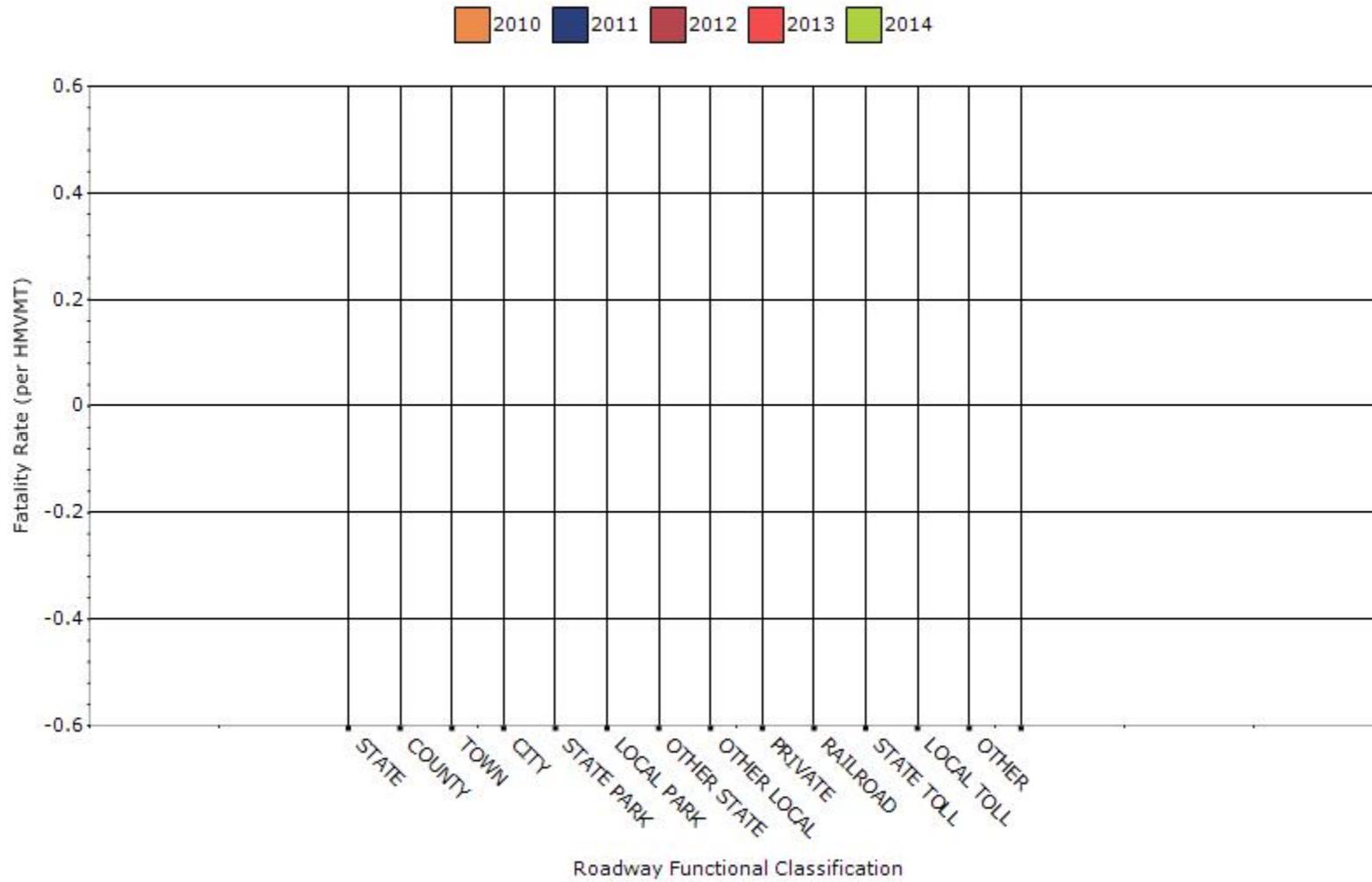
Number of Fatalities by Roadway Ownership



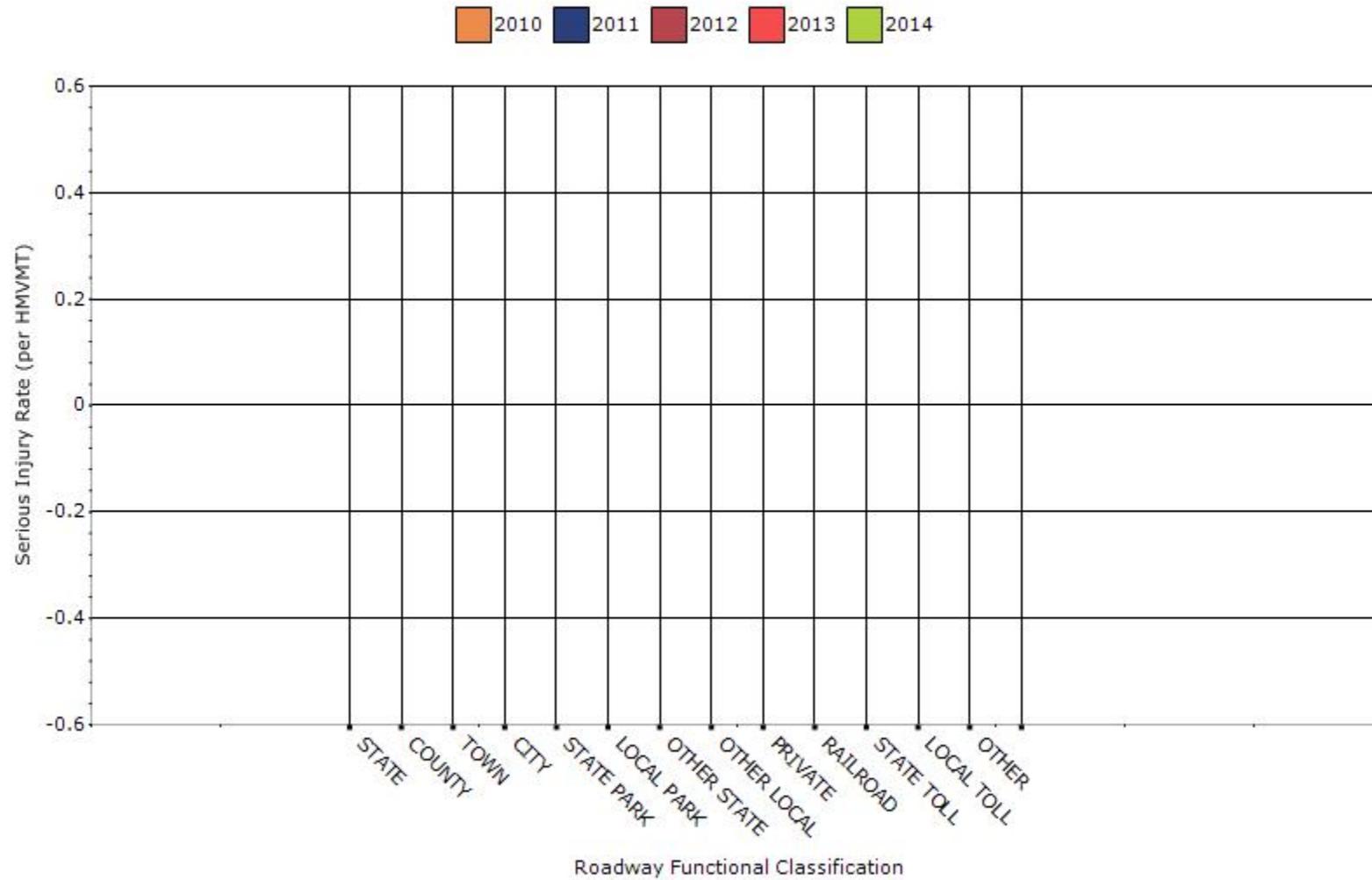
Number of Serious Injuries by Roadway Ownership



Fatality Rate by Roadway Ownership



Serious Injury Rate by Roadway Ownership



We calculate Rural Principal Arterial - Other Freeways and Expressways & Rural Principal Arterial - Other together as one using Rural Principal Arterial.

We calculate Urban Minor Collector and Urban Major Collector as one using Urban Collector.

We do not collect Roadway Ownership.

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

Serious injuries are defined as Incapacitating injuries (A).

Application of Special Rules

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

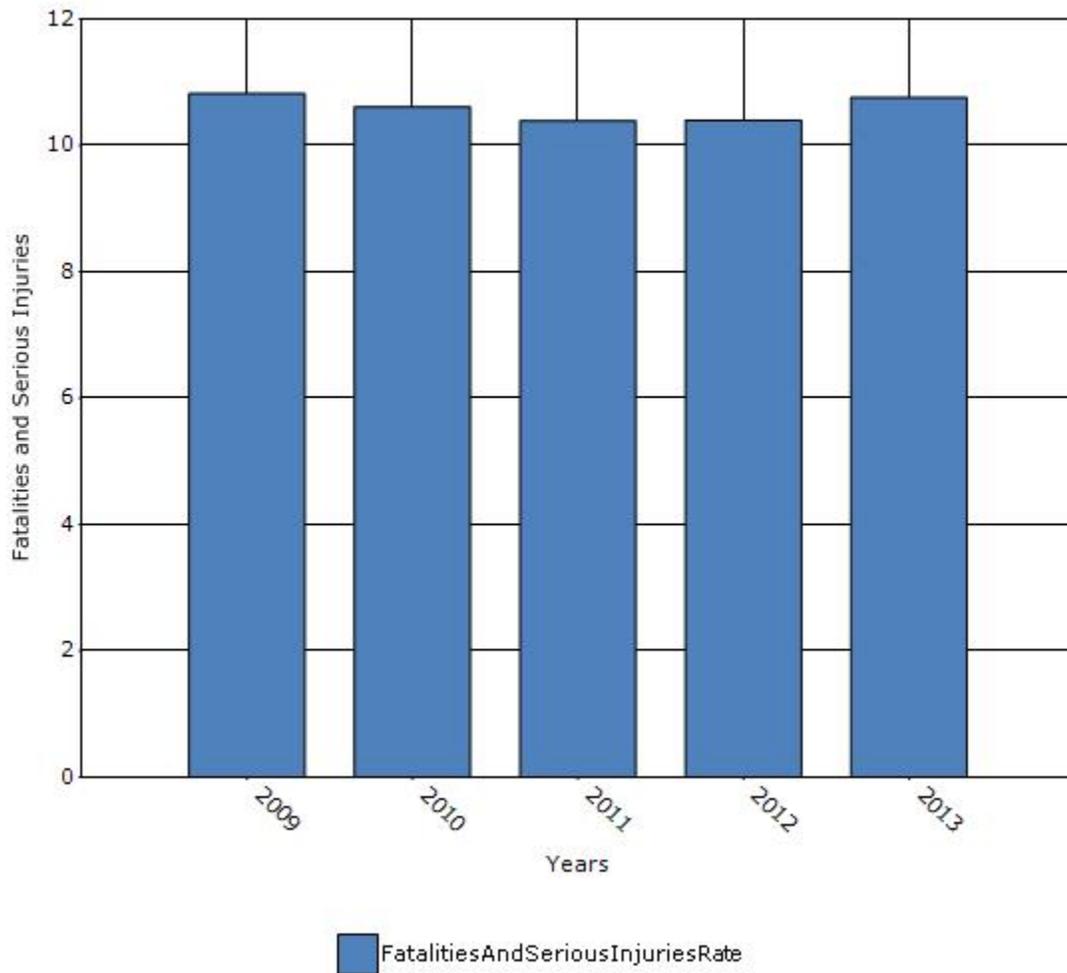
Older Driver Performance Measures	2009	2010	2011	2012	2013
Fatality rate (per capita)	3.01	2.85	2.8	2.74	2.78
Serious injury rate (per capita)	7.82	7.75	7.59	7.66	7.98
Fatality and serious injury rate (per capita)	10.82	10.61	10.39	10.4	10.76

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

For the purpose of this analysis, serious injuries are defined as incapacitating injuries only.

Fatality and Serious Injury Rate = (Fatalities (FARS) + Incapacitating Injuries)/65+Population(per1,000)

Rate of Fatalities and Serious Injuries for the Last Five Years



Does the older driver special rule apply to your state?

Yes

If yes, describe the approach to include respective strategies to address the increase in those rates in the State SHSP.

The following strategies are identified in the current Texas Strategic Highway Safety Plan (SHSP). The countermeasures in the Handbook for Designing Roadways for the Aging Population (FHWA-SA-14-015) will be considered for inclusion in the 2015 SHSP. An older driver emphasis area focus group will also be utilized to identify more

strategies to reduce fatalities and serious injuries in the 2016 SHSP.

Engineering

- *Improve signing, modify traffic control devices and pavement markings to accommodate older drivers, e.g., provide shoulder rumble strips, wider striping, illuminated street name signs.
- *Add more turn bays and acceleration lanes on high speed rural roads.
- *Eliminate limited sight distance on all roads. This includes high speed rural and urban intersections where sight distance limitations exist due to vegetation, signing, and other obstructions.

Education

- *Improve driving competency of older adults by offering training programs.
- *Communicate driving and licensing issues and alternative transportation options to older drivers and family members. (This communication should also include law enforcement and medical personnel and include educational materials regarding potential driving problems associated with aging and how to recognize them.)

Public Policy and Other

- *Develop community mobility resource guide.
- *Develop, implement, and otherwise encourage public/private partnerships that provide transportation alternatives to the personal vehicle.
- *Provide vouchers for alternative transportation options.
- *Develop incentives for older drivers to adopt advanced vehicle technologies that could assist them with age-related driving problems, e.g., back-up warning devices.
- *Improve links among driver records, vehicle registration information and physical/functional impairments and medical conditions affecting driving capability.

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-decrease in number of fatal and serious injury crashes in SHSP emphasis areas.

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.

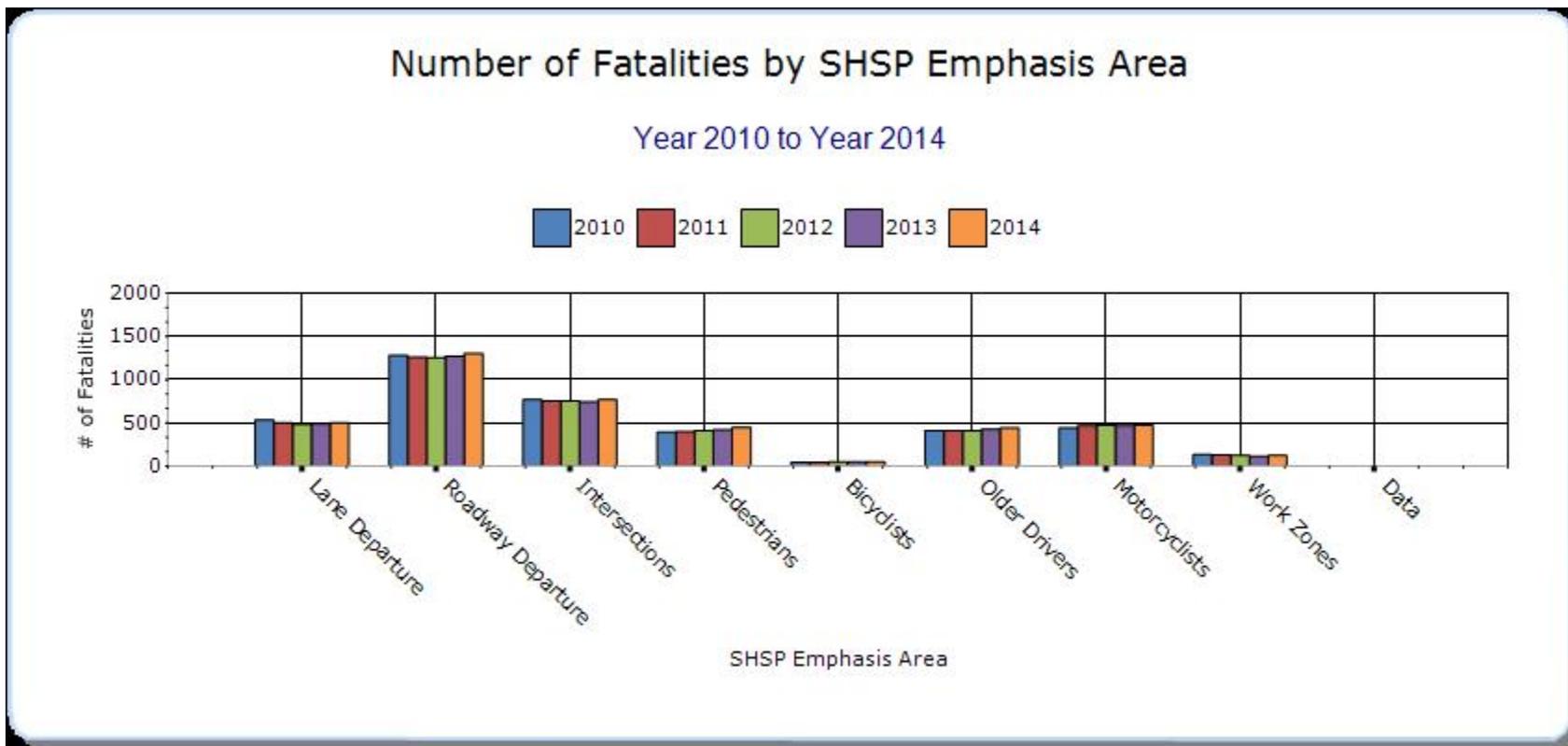
No significant program changes have occurred other than development of systemic improvements discussed in previous section.

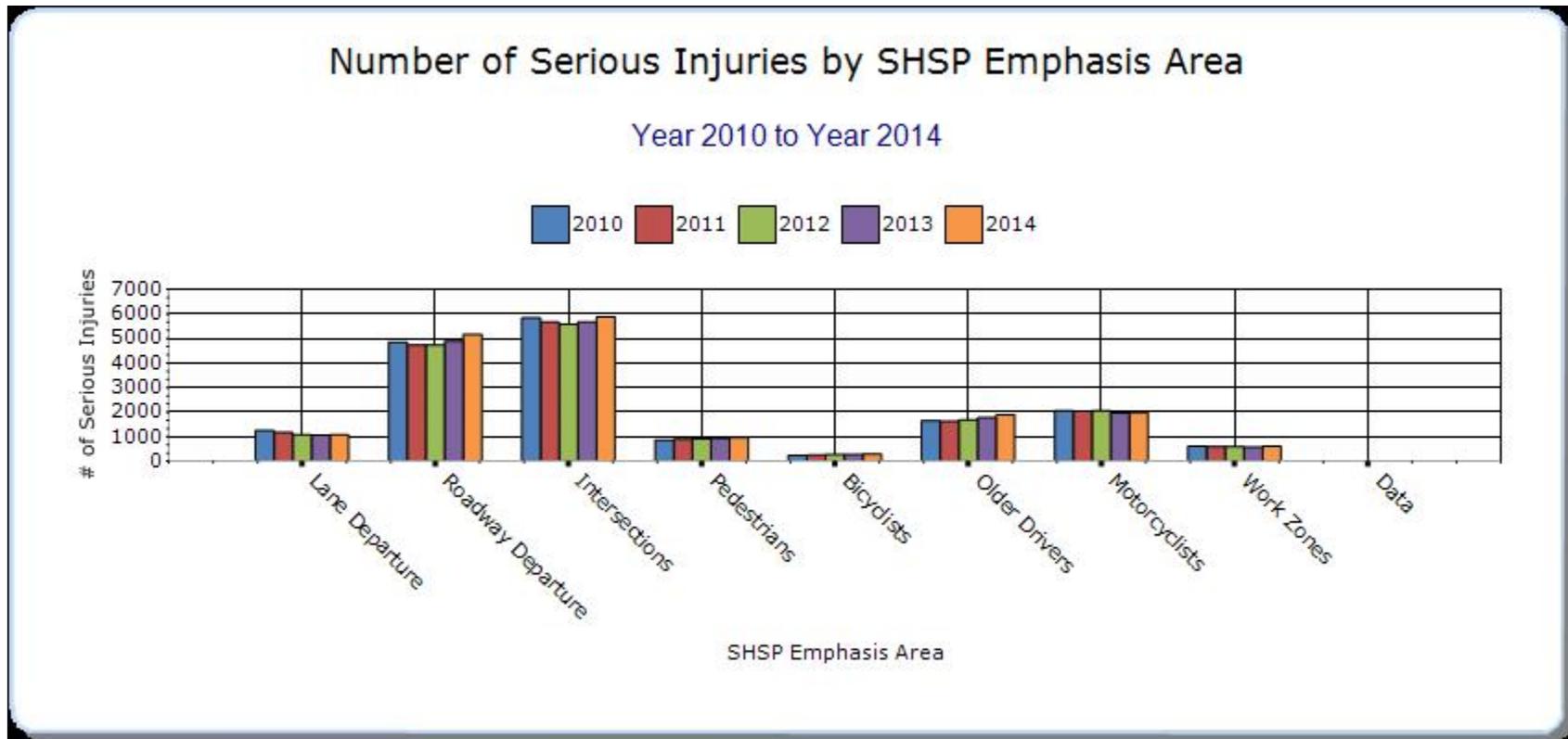
SHSP Emphasis Areas

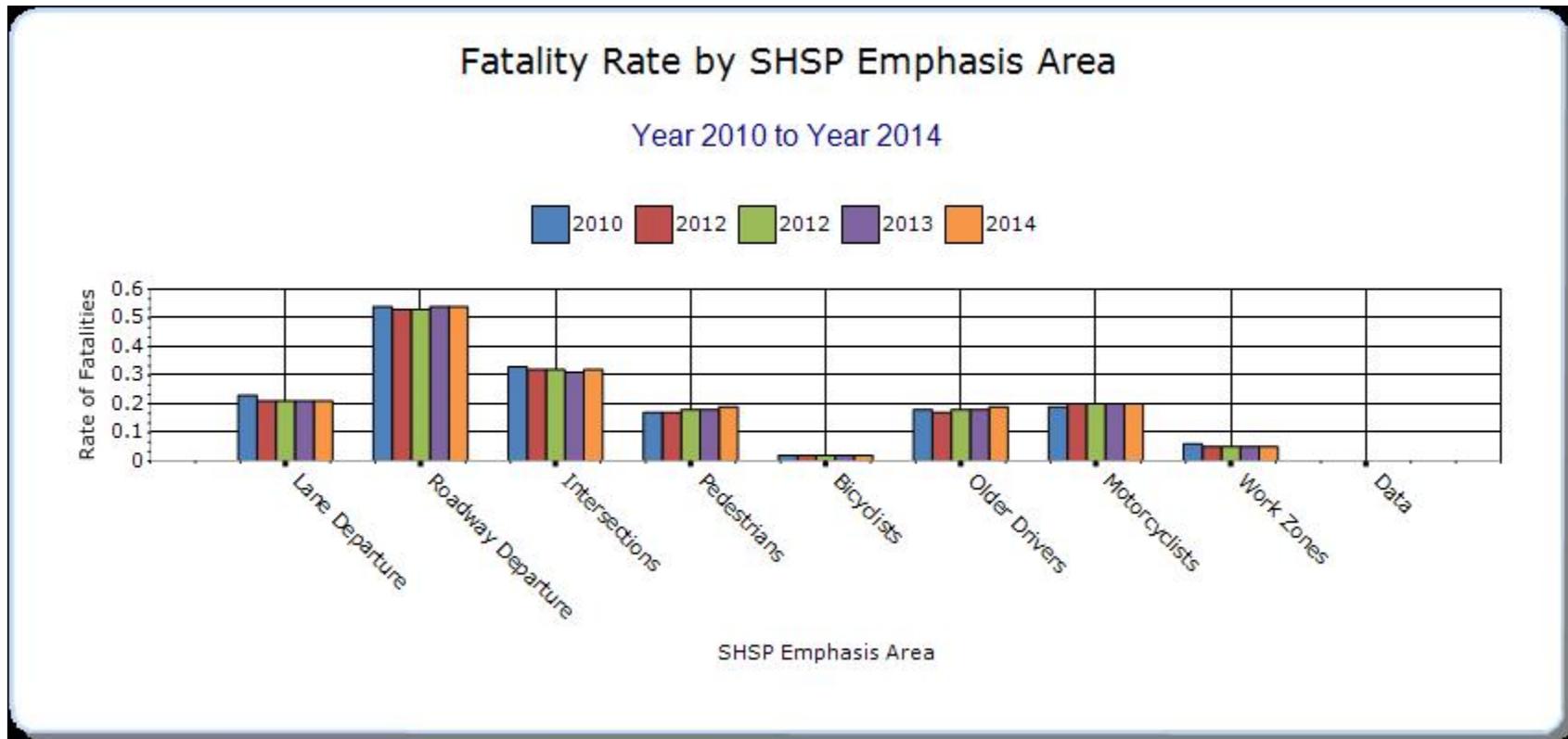
For each SHSP emphasis area that relates to the HSIP, present trends in emphasis area performance measures.

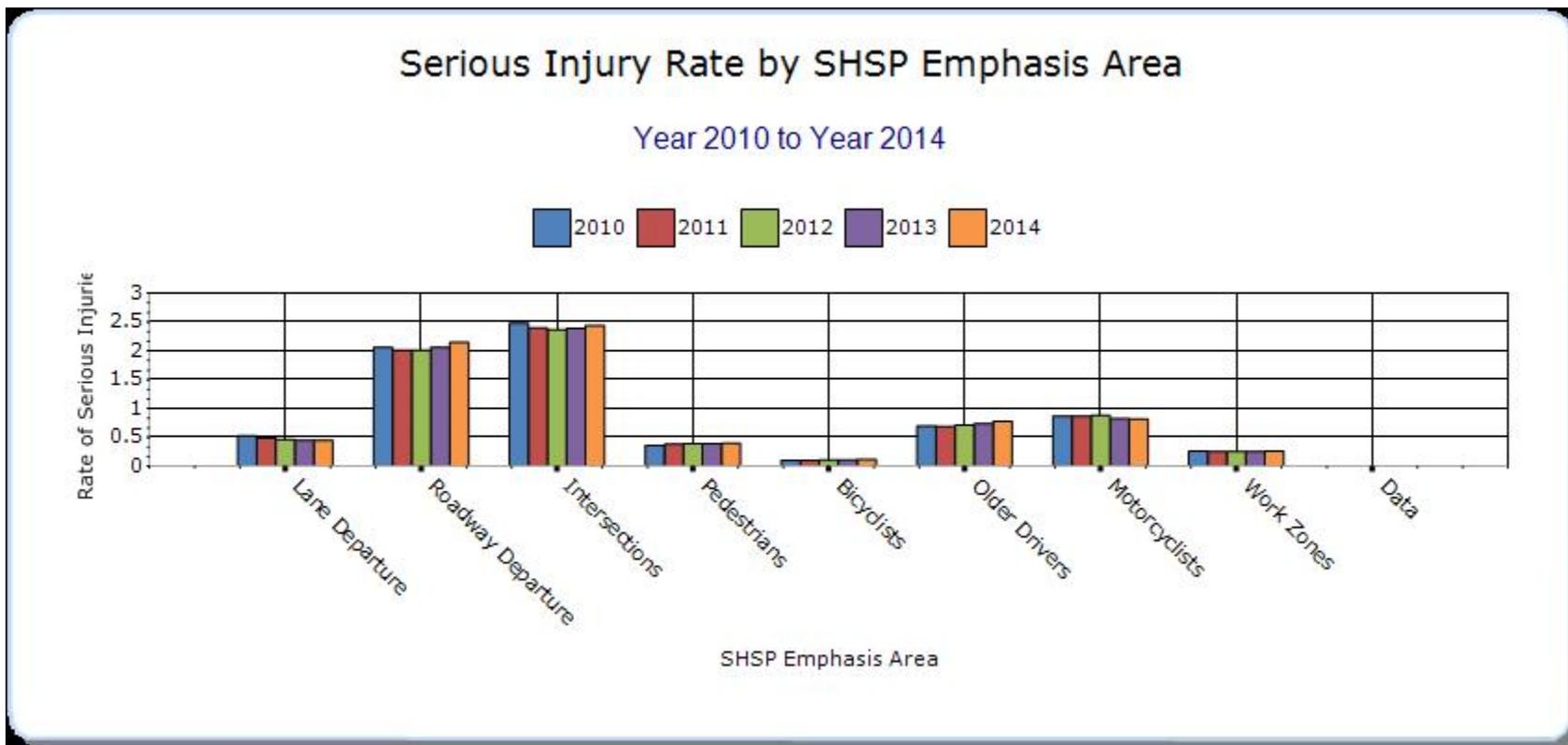
Year - 2014

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		505.2	1075.4	0.21	0.45	0	0	0
Roadway Departure		1302.4	5170.8	0.54	2.15	0	0	0
Intersections		768.8	5876.2	0.32	2.44	0	0	0
Pedestrians		449.6	966.4	0.19	0.4	0	0	0
Bicyclists		48.8	284.2	0.02	0.12	0	0	0
Older Drivers		443.6	1889.8	0.19	0.78	0	0	0
Motorcyclists		473.2	1977.2	0.2	0.82	0	0	0
Work Zones		124.2	613	0.05	0.26	0	0	0









Older Driver data represents the number of people killed and seriously injured in crash involving an older driver, not just the older driver.

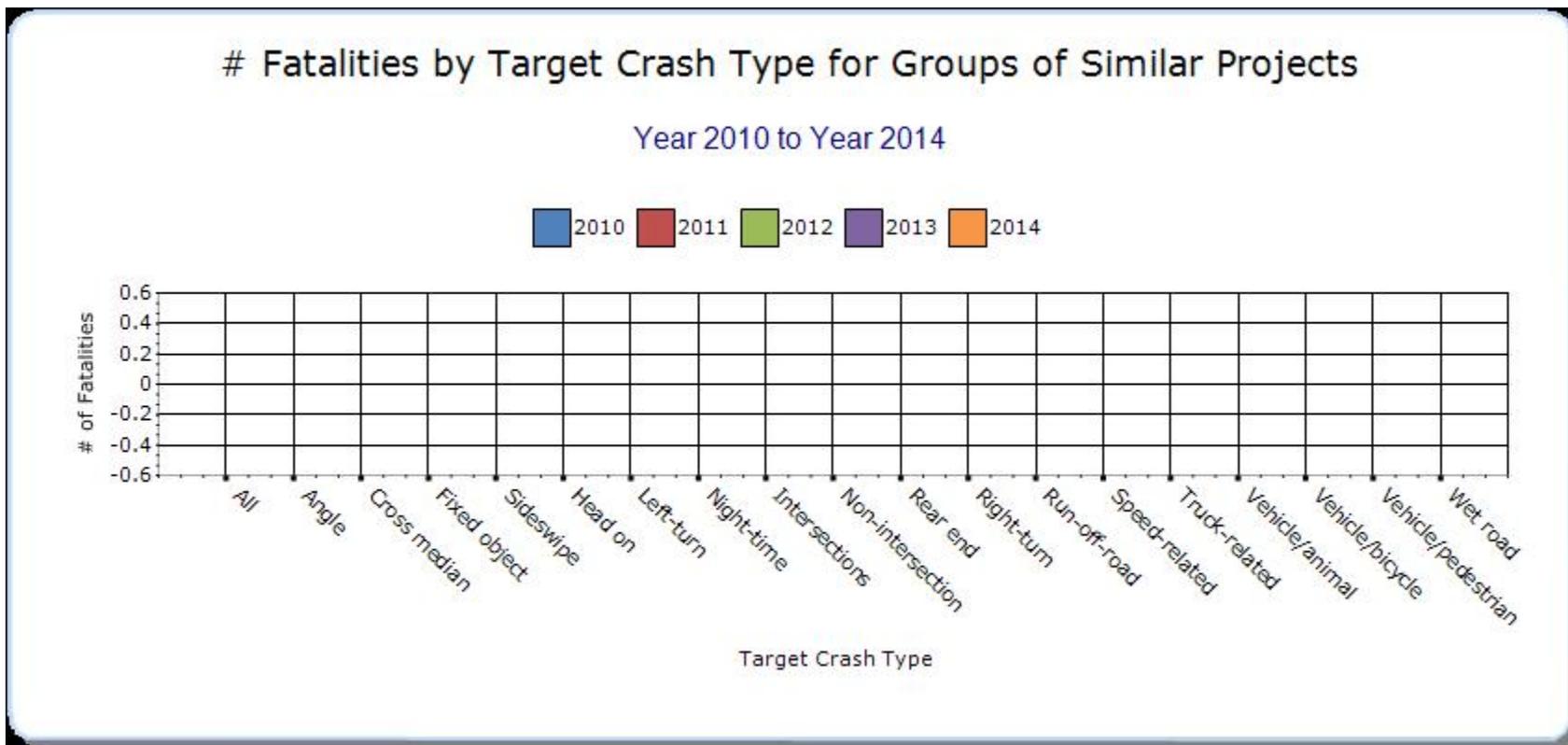
Older Drivers are defined as Age 65 and over.

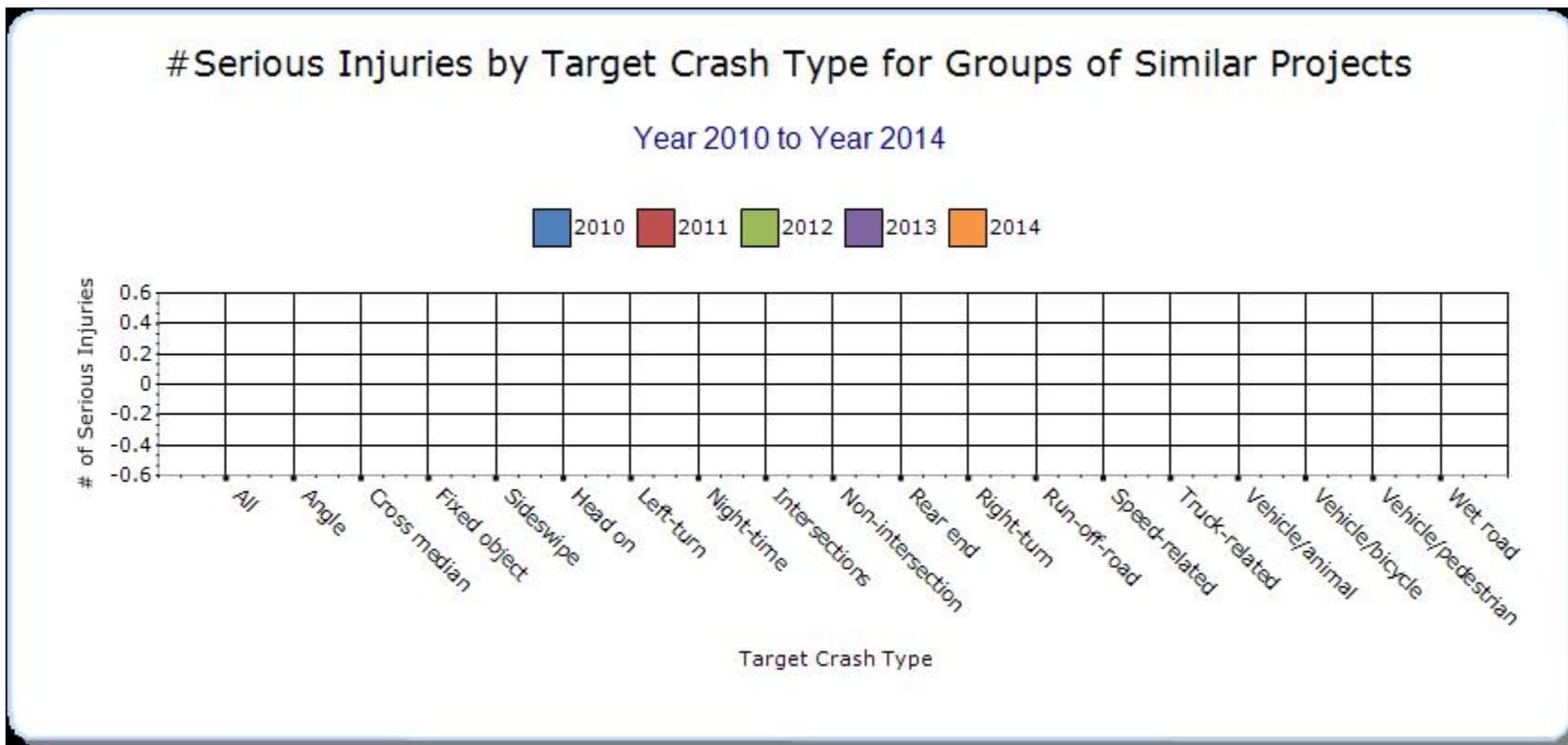
Groups of similar project types

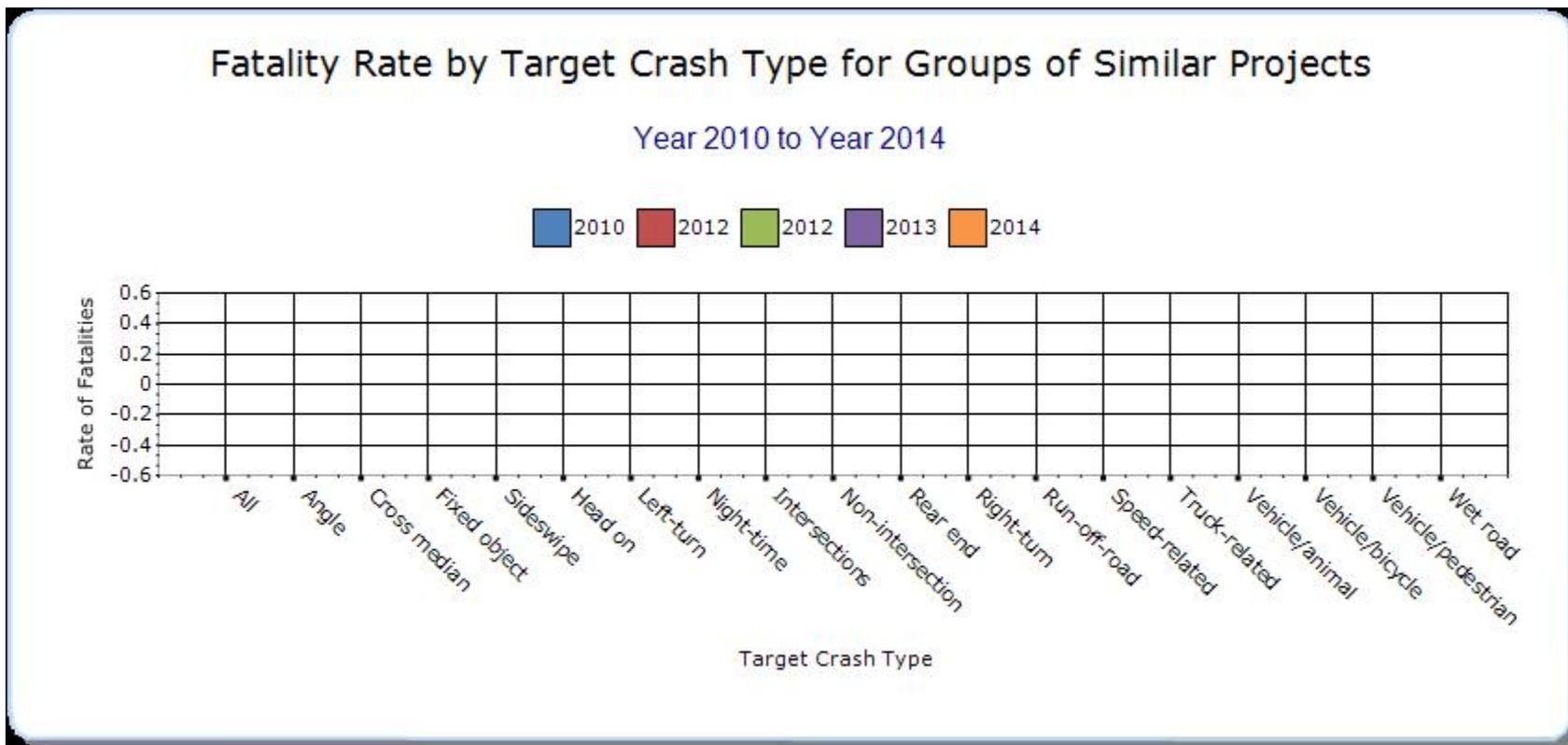
Present the overall effectiveness of groups of similar types of projects.

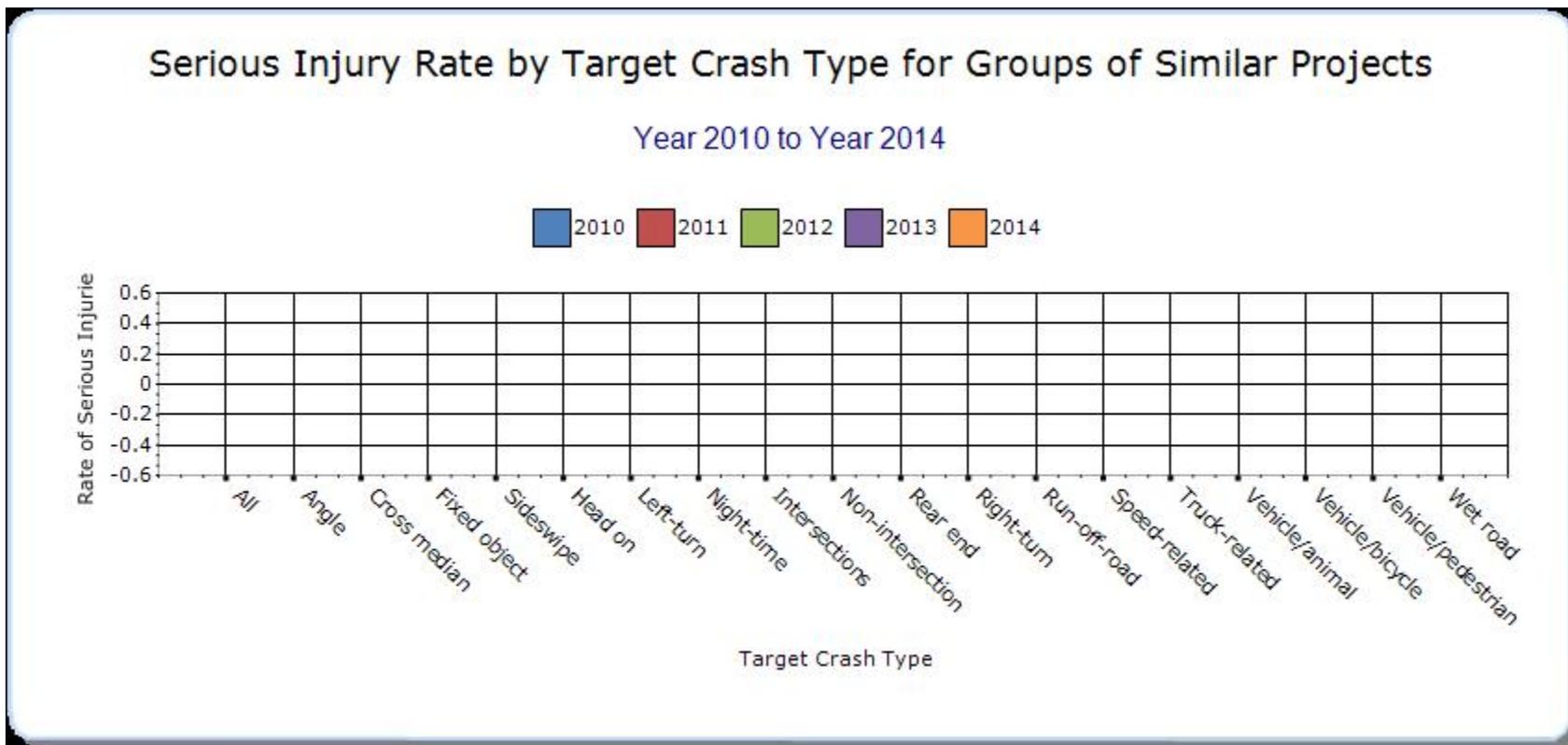
Year - 2014

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
Other-No subprograms under HSIP		0	0	0	0	0	0	0







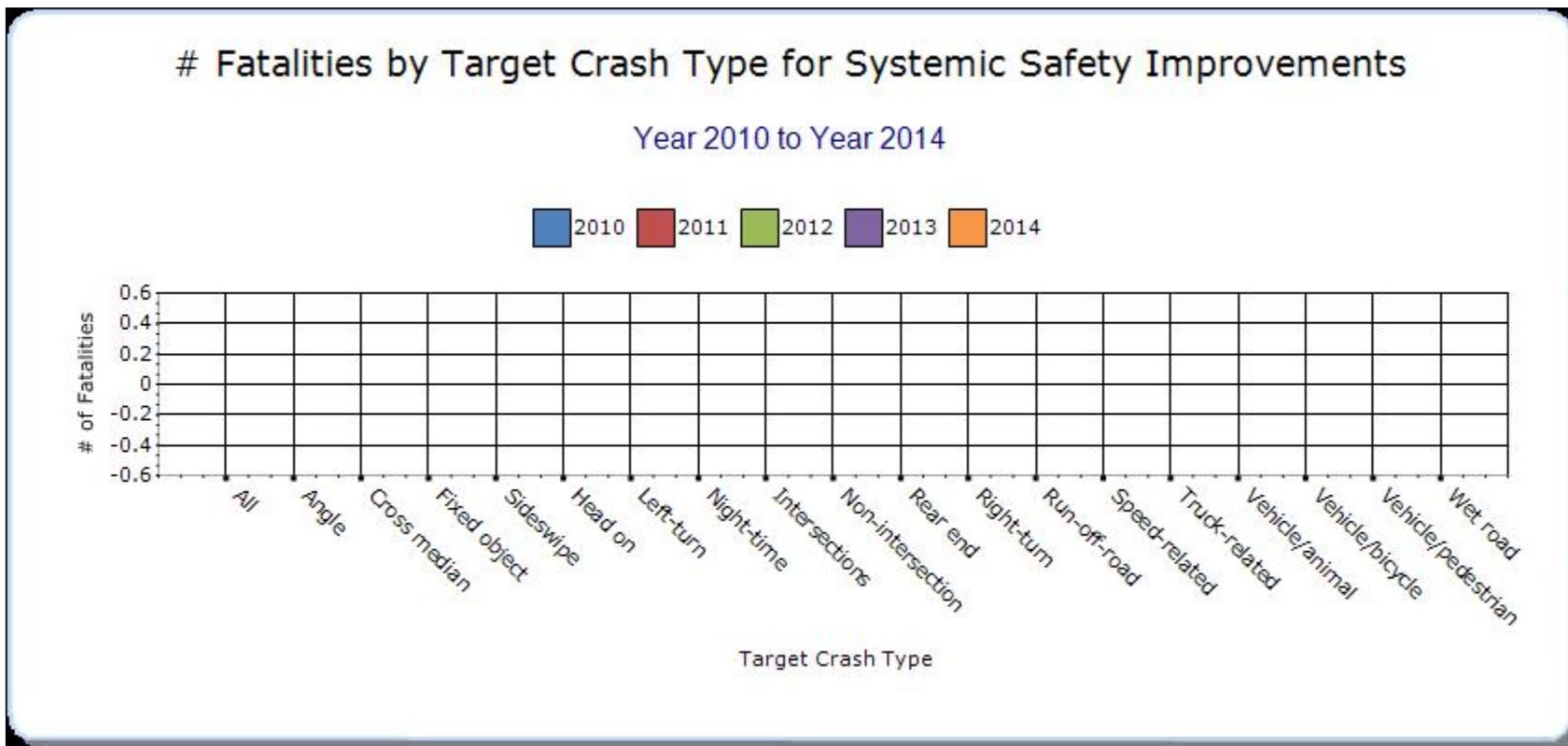


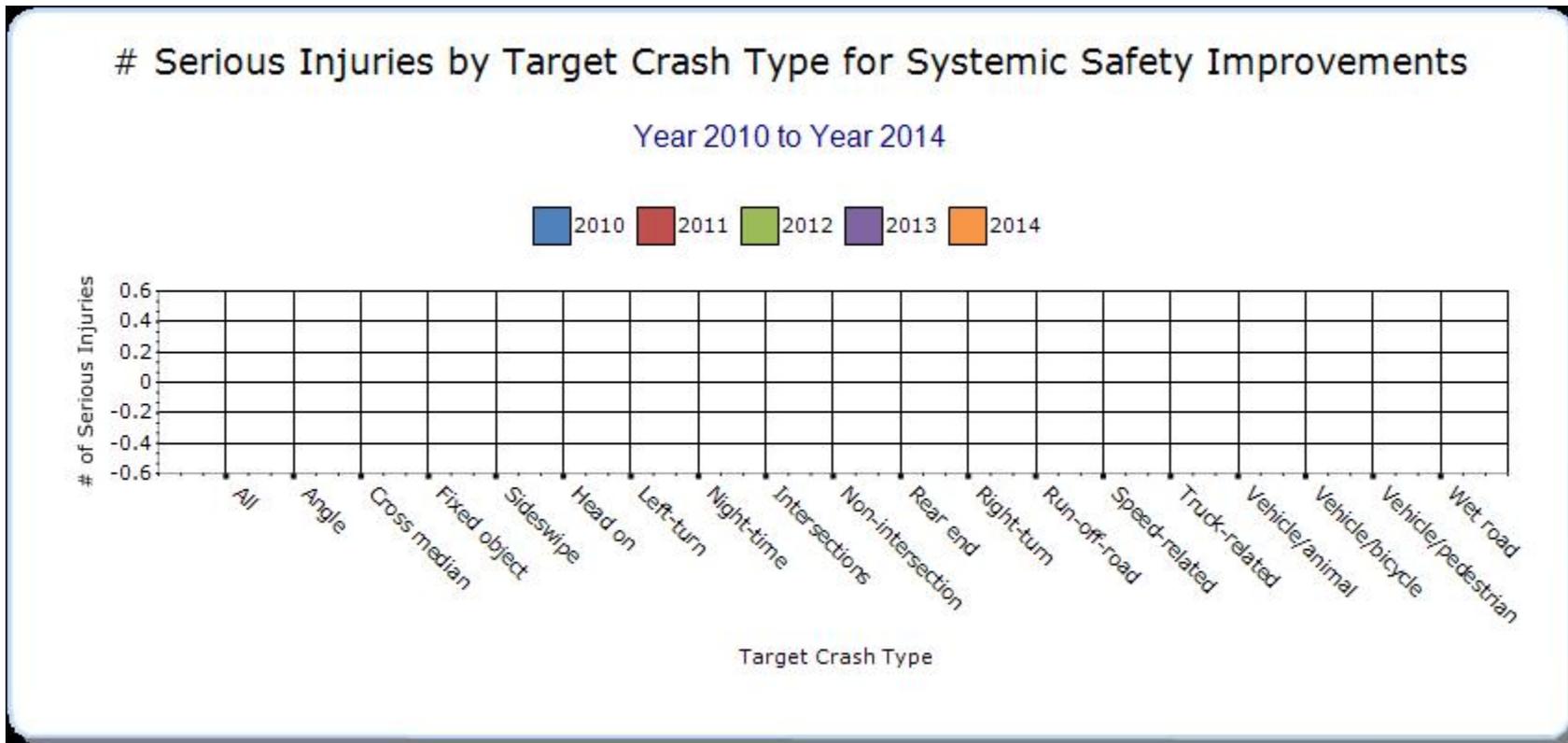
Systemic Treatments

Present the overall effectiveness of systemic treatments.

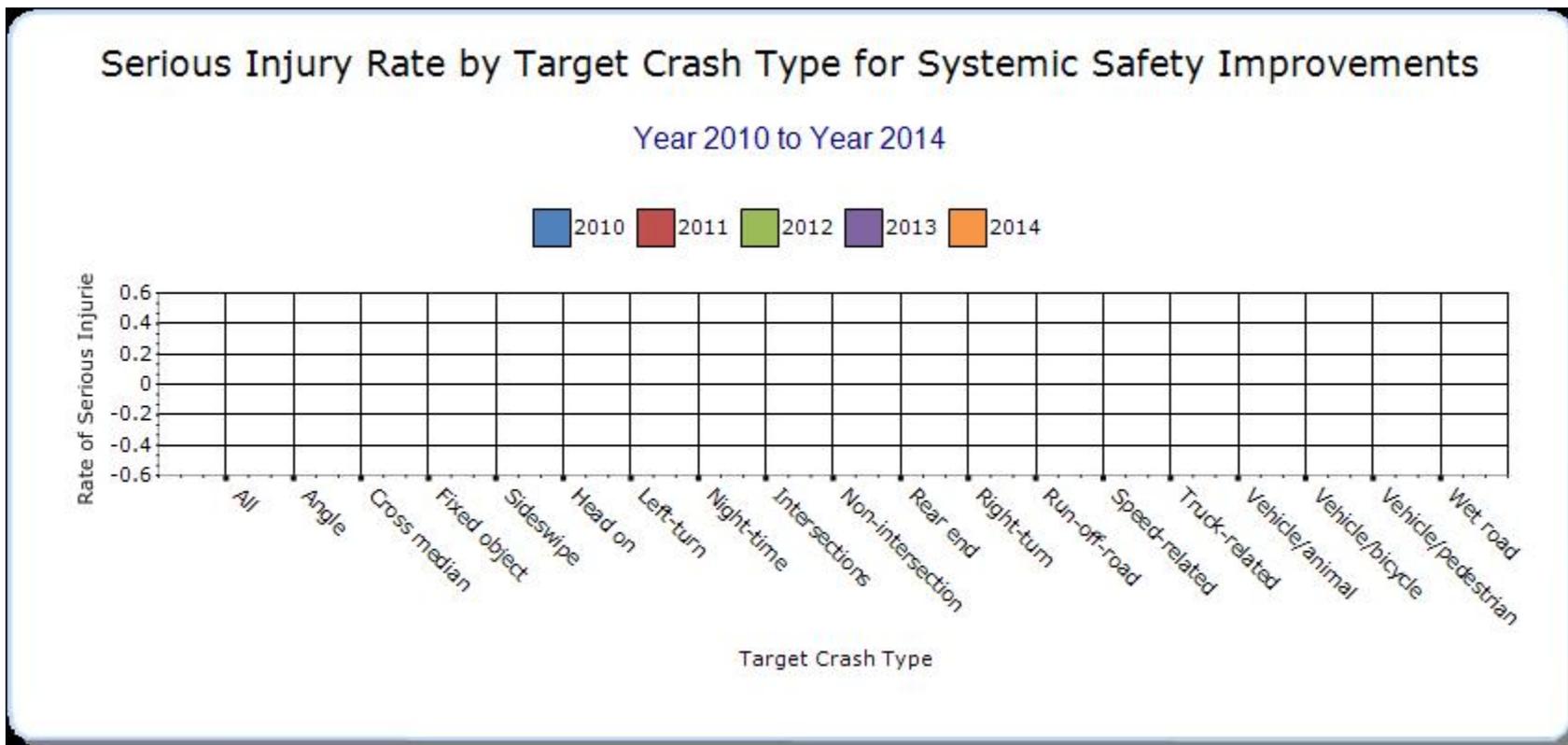
Year - 2014

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-No HSIP funds are currently used for systemic improvements but research for systemic improvements is ongoing in Texas.		0	0	0	0	0	0	0









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

We do not have anything on which to elaborate.

Project Evaluation

Provide project evaluation data for completed projects (optional).

Location	Functional Class	Improvement Category	Improvement Type	Bef-Fatal	Bef-Serious Injury	Bef-All Injuries	Bef-PDO	Bef-Total	Aft-Fatal	Aft-Serious Injury	Aft-All Injuries	Aft-PDO	Aft-Total	Evaluation Results (Benefit/Cost Ratio)
N/A				0	0	0	0	0	0	0	0	0	0	0

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.