

# State of Kansas

## Highway Safety Plan FFY 2011

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The FFY 2011 Kansas Highway Safety Plan is being submitted to NHTSA and FHWA. The report describes the processes followed by the State of Kansas in the use of federal highway safety funds, consistent with the guidelines, the priority areas, and other requirements established under Section 402.

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## 2011 EXECUTIVE SUMMARY

This one year planning document describes the processes followed by the state of Kansas in the use of federal highway safety funds, consistent with the guidelines, the priority areas, and other requirements established under Section 402, 403, 163, 410, 2010, 2011, 1906, 406 and 408.

**Process Description.** Below is a summary of the process currently followed by the Kansas Department of Transportation (KDOT) Bureau of Transportation Safety & Technology (BTST), Traffic Safety (TS) section to plan and implement its federal grant program. The program is based on a complete and detailed problem analysis prior to the selection of projects. A broad spectrum of agencies at the federal, state, local levels and special interest groups are involved in project selection and implementation. TS also awards grants internally to supplement special projects and effects of statewide significance.

**Problem Identification.** Problem identification is performed by the Traffic Safety Section Program Consultants with the support of the KDOT Division of Planning and Development Geometric and Accident Data Section, and under the policy guidance of the Chief of the Bureau of Transportation Safety & Technology. Input is received from other public health and safety specialists in the public and private sectors, such as the Kansas Highway Patrol, Kansas Department of Health and Environment, Department of Revenue Division of Alcoholic Beverage Control, SAFE KIDS Kansas and local law enforcement agencies from across the state.

Traffic Safety has continued to increase local involvement in the Highway Safety Plan (HSP) planning process. Input was solicited at our Click It or Ticket law enforcement luncheons, which have increased in numbers and the variety of invitees, during project conferences with all current grantees, during monitoring activities and whenever a TS employee attended a meeting with a community or advocacy group. TS also sent an email out to a large group of interested parties soliciting their input for the HSP.

Analysis is performed on statewide data including vehicle, driver, roadway and crashes; surveys include observational, knowledge, attitude, offender and opinion. Statewide problem analysis is performed on major indicators such as alcohol-related crashes, youth involvement in crashes, speed-related crashes, occupant protection observational usage, motorcycle crashes, pedestrian and bicycle crashes, work zone crashes, large trucks, DUI arrests, and roadway environment.

Problem area analysis ranks counties and cities by the 2004-08 severity of the total crash problem (see Tables 1 & 2) based on the average ranking of total crashes, fatal crashes, injury crashes, total crash rate, fatal crash rate, injury crash rate, alcohol-related crashes, alcohol-related fatal crashes, alcohol-related injury crashes, teenage total crashes, teenage fatal crashes, teenage injury crashes, motorcycle crashes, plus crashes involving pedestrians. Additional data analysis is performed on crash severity by time of day and population. Supporting data analysis includes DUI arrest activity, severity of teenage crashes, and severity of single vehicle crashes (surrogate measure for drinking and driving).

Data systems and/or studies accessed include the Kansas Motor Vehicle Accident Reporting System (police-reported crashes), Kansas Safety Belt Observational Surveys, Department of Revenue Driver Records, and Judicial Data.

In July 2010, we conducted an attitude and perception survey to measure the opinions and attitudes of the public concerning driving and safety. Questions were asked about occupant protection, impaired driving and speeding. Concerning occupant protection, a large percentage (80%) of the public had heard seat belt enforcement messaging recently and 77 percent reported always wearing a seat belt, though only about a third of the people thought someone would receive a ticket for not wearing a seat belt. About half of the respondents had heard impaired driving messages and only a fourth thought they would be arrested if they drove impaired. Smaller numbers had heard speed enforcement messages or thought they would receive a speeding ticket. The response to this yearly survey will assist us in tailoring our messages to the public to receive the biggest impact on getting the messages out and improving safety.

**Priority Emphasis Program Areas.** Results of data analysis are used to formulate the priority emphasis areas to be addressed in the state. Prior year's program/project evaluations, both impact and process, are reviewed for effectiveness and prior year's progress. Other environmental factors are considered, such as law changes, federal initiatives, KDOT strategic goals and objectives, and other state initiatives affecting highway safety. In addition, suggested recommendations during the Strategic Highway Safety Planning process are considered while prioritizing emphasis areas.

**Project Site Selection Criteria.** Project site selection supports the priority emphasis areas identified in the problem identification. The ranking of priority problem areas in the state, as described above, points to the conclusion that for local programs to have an impact on crash problems statewide, it is necessary to attempt to place countermeasures in the higher population areas. This forms the basis of the primary criterion for project site selection.

Consistent participation continues to be realized in the Impaired Driving Deterrence Program (IDDP) and Special Traffic Enforcement Program (STEP) with nearly every agency in the urban population centers (both cities and counties) represented in the programs. The national mobilizations of Click it or Ticket (CIOT) and Drunk Driving. Over the Limit. Under Arrest. have benefited from greater participation of local agencies and targeted media campaigns. The targeted media include paid television and radio advertisements and utilization of on-line media.

The Kansas Traffic Records Coordinating Committee and statewide Traffic Records Strategic Plan are crucial in determining potential areas for improvement in traffic record information collection, analysis and dissemination. Local law enforcement agencies have partnered with KDOT in preparation and transmission of electronic data. This partnership will assist in improved data collection and ultimately allow for improved and an even greater targeting of specific problems and programs.

Kansas has clearly experienced a downward trend in the crash rate, fatal crash rate and injury crash rate over the last three decades, in spite of the increasing number of drivers and vehicles on the road. Utilizing 2004 to 2008 data, the fatal/VMT rate baseline for this plan is 1.51.

While these figures point to positive change, every year approximately 400 motorists lose their lives on Kansas roadways. Another 22,000 are injured each year. Each year, more than 100 people die in alcohol-related crashes. Novice drivers under 21 years old are involved in approximately 30% of all crashes, while they represent 10 percent of all registered drivers. An additional area of concern includes occupant protection, where in 2008, 69 percent of occupant deaths were unrestrained and speed-related fatalities increased in 2008 to 115.

The highest population areas of the state also have the most severe traffic problems. This is true no matter which type of crash problem is examined. For example, Sedgwick County, the county with the second highest population in the state and containing the most populous city in the state, is number one in nearly all crash problems. Even though there are some differences in geographical ranking of the types of crashes, the largest 30 to 40 counties population-wise, are the 30 to 40 counties with the most severe traffic problems. Consequently, it is of primary importance to place programs in these high population areas.

Additional projects are best undertaken on a statewide approach. This is the direction taken for selective traffic enforcement training, occupant protection usage projects, driver education programs, public information and education, and comprehensive projects which combine various elements of local law enforcement, court resources and schools.

More than 20 counties and municipalities will conduct sobriety checkpoints/saturation patrols (IDDP) and more than 140 local law enforcement agencies will conduct STEP mobilizations. One hundred fifty projects statewide cover occupant protection, impaired driving, alcohol public information, youth leadership, sobriety checkpoints and saturation patrols, traffic enforcement training, driver education, and safe driving education.

Recent data on overall fatalities continues to trend in a positive direction. However, impaired driving fatalities are trending unfavorably. KDOT will be hosting an Alcohol Summit in December of 2010 to address this issue. Law enforcement partners will be assembled to brainstorm and discuss ideas to address the issue.

Although the larger populated areas of Kansas present the most exposure to problems involving crashes, the less populated areas exhibit a need for improving their problem locations. On average, 75 percent of fatalities occur in rural areas of the state. The statewide projects listed above will utilize their resources in combating this problem.

In conjunction with local entities, KDOT provides funding and engineering expertise in addressing local traffic safety issues. Coupled with specific activities, this program also hosts workshops for local entities targeting the complexities of and issues related to traffic safety.

The planning and implementation of effective highway safety countermeasures often require travel throughout the fiscal year. Traffic Safety personnel will attend National and Regional trainings and conferences as budget restrictions allow to gain additional information and technologies that will be essential to program efforts in the state. The Safety Engineer position, located in the Traffic Engineering section of the Bureau, coordinates KDOT's engineering (hard) side of safety. This position develops and updates the Strategic Highway Safety Plan (SHSP), which adds the strategies contained in this document to engineering solutions in order to address six emphasis areas: Impaired Driving, Occupant Protection, Lane Departure, Intersections, Novice drivers, and Driver Behavior and Awareness. The SHSP is a fluid document that needs to adjust to changes in technology and data trends. KDOT is currently updating the SHSP to better reflect the current problem areas in Kansas.

KDOT will continue to utilize the Traffic Safety Resource Prosecutor (TSRP). This position has been and will continue to be instrumental in providing support and expertise to prosecutors around the state in the

adjudication of traffic law offenders. The main focus of the position is assistance with DUI prosecution, but the TSRP will also give guidance on other traffic law cases as needed or as laws change.

KDOT has continued to partner with Dr. Rene Slick on an innovative program designed to identify and remediate novice teen drivers who are at high risk for a crash. Centered on a tool known as DRASTIC Risk – for Driving Assessment Survey to Identify Crash Risk – this program is an outgrowth of one which Dr. Slick developed for the Department of Defense in its effort to rein in unacceptably high traffic-related injury and fatality crash rates among young service members. Dr. Slick presented her research findings at GHSA’s 2009 annual meeting.

The Kansas Legislature passed an enhanced Graduated Drivers License law in 2009. Traffic Safety will continue working with our many partners to educate both teens and parents about the changes to the licensing laws and the new requirements and restrictions. Traffic Safety will also continue working with the law enforcement community to educate them on the new law, and assist them as they enforce the new provisions. This law allows additional restricted time behind the wheel while limiting the number of distractions which should result in improved safety for all on Kansas roadways.

Effective June 30, 2010, Kansas enacted a primary law for all drivers and front seat passengers over the age of 18. With the assistance of the Section 406 funds, traffic Safety will design and implement educational and enforcement opportunities for the traveling public for this life-saving crucial legislation. This legislation now means that any driver and front seat passenger must wear their seat belt or risk being pulled over for this infraction only. State law also provides for anyone under the age 18, no matter the seating position, must be properly restrained. The legislation also made it a secondary violation for an adult to be unbuckled in the back seat, prior to this; there was no requirement for adults to wear a seat belt in the back seat of a motor vehicle.

New legislation was also passed in the 2010 session to ban texting while driving. The law went into effect on July 1, 2010 with a six month warning period. Beginning January 1, 2011, a violation of this law will result in a \$60 fine plus court costs. KDOT will be implementing strategies to inform and educate the public on this new law, as well as work with law enforcement to ensure that the law is enforced. Any distractions that can be removed while driving a motor vehicle will make everyone on the road safer.

The state of Kansas has also seen a significant increase in motorcycle crashes and fatalities. This plan, written with the assistance of a motorcycle task force, will work to implement programs to reduce these numbers.

It is obvious from the statewide problem analysis that the most effective reduction of fatalities and injuries attributed to motor vehicle crashes could be achieved by the elimination of impaired driving, and a significantly increased occupant protection usage rate in the state.

**Performance Goals.** Traffic Safety establishes performance goals as a requirement of state strategic planning and KDOT strategic planning. As stated above, performance goals are established based upon problem analysis. Long-term impact goals are established, with yearly strategy-based performance measures. The strategy-based performance measures reflect the current programming presented in federal fiscal year 2008. Baseline is an average of the five years 2004-08 and also is the data utilized for problem identification. This Highway Safety Plan includes the new performance measures jointly agreed upon by NHTSA and the

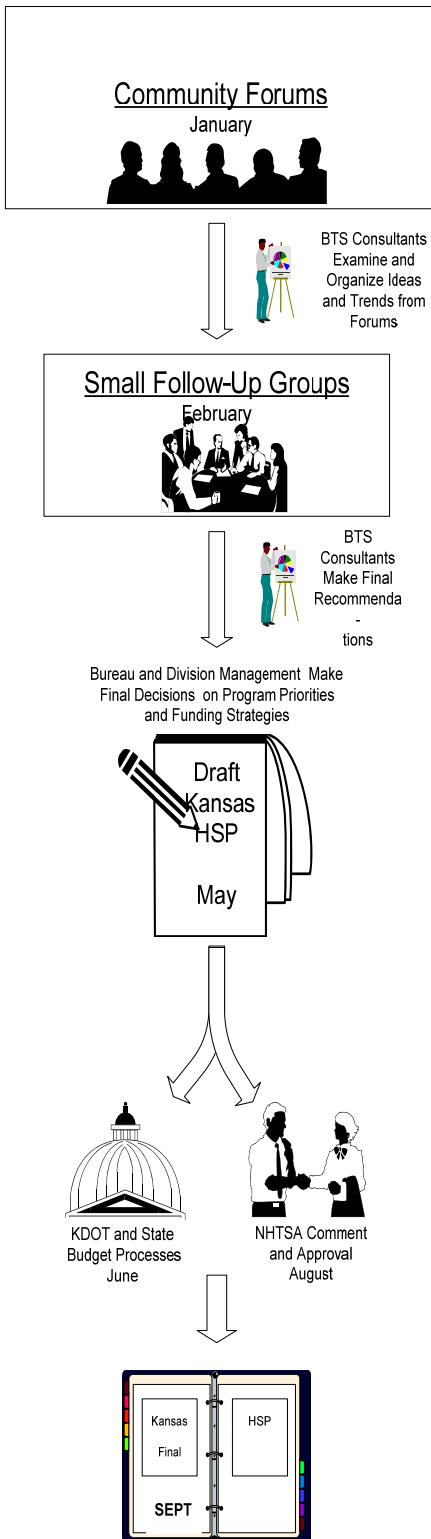
states through the Governor's Highway Safety Association. This includes an awareness/perception survey that will be conducted yearly to determine how effective our safety messages are with the general public. The questions will focus on public knowledge of our safety slogans and perception of enforcement activity.

The following section contains the program area plans included in the highway safety plan, the long-term goals for each program, the strategy-based benchmarks identified from federal fiscal years 2004-08 and the projects selected to achieve the goals. The short and long-term goals address alcohol, emergency medical services, occupant protection, paid media, pedestrian and bicycle safety, police traffic services, roadway safety, motorcycle safety, safe communities, and traffic records.

**HS Form 217, highway safety program cost summary.** The proposed allocation of funds is detailed in form 217, which is located in the back of this plan.

# TIMELINE FOR DEVELOPMENT OF THE 2011 KANSAS HSP

## FLOW



**January-**Community Forums held to gather input on specific plans and projects. TS consultants staffed all of these forums. Following the forums, all input is combined, analyzed, and reported out by TS staff.

**February-**Follow-up meetings held to share the combined ideas from all forums. This involved smaller groups with particular areas of expertise such as law enforcement, health care, etc.

**March-**TS staff consultants and others study the input from forums and follow-up meetings to make recommendations in each NHTSA program category. (i.e. Occupant Protection, Alcohol)

**April-May** Bureau and Division management make the final decision on the program mix and funding proposals for the 2011 Draft Highway Safety Plan.

**June-**Bureau management incorporates the draft Kansas HSP programs and funding strategies into the revised 2011 state fiscal year's budget. Staff meets to finalize plan.

**August-**Draft is submitted to NHTSA for review, as well as feedback via the state budget process, and is incorporated into the plan.

**September-**Final version of the 2011 Kansas Highway Safety Plan is submitted to NHTSA and FHWA.

**October-**Plan is implemented.

# Kansas Statewide Performance Measures and Goals

<b>Core Outcome Measures</b>	2004-08 Baseline*	Short Term Goal**	Long Term Goal***
Number of Traffic Fatalities (FARS)	431	398	374
Number of Serious Injuries (KARS)	1,799	1,691	1,547
Fatalities/VMT (FARS/FHWA)****	1.51	1.39	1.24
Rural Fatalities/VMT (FARS/FHWA)****	2.40	2.22	1.98
Urban Fatalities/VMT (FARS/FHWA)****	.61	.56	.50
Number of unrestrained fatalities all positions (FARS)	200	188	174
Number of fatalities, auto and motorcycle, with BAC of .08 or above (FARS)	118	113	105
Number of speeding fatalities (FARS)	115	105	97
Number of motorcyclist fatalities (FARS)	44	41	38
Number of un-helmeted motorcyclist fatalities (FARS)	30	27	24
Number of fatalities with driver 20 or under (FARS)	82	77	71
Number of pedestrian fatalities (FARS)	21	20	19
Observed seat belt use (State Survey) FFY 2005-09	75	80	86
Grant Funded Enforcement FFY 2010*****			
Speeding Citations	9,945		
Seat Belt Citations	7,328		
DUI Arrests	1,086		

\* 5 year moving average

\*\* 3 year Short Term Goal

\*\*\* 7 year Long Term Goal

\*\*\*\* Utilizes 2008 VMT

\*\*\*\*\*Includes FFY 2009 Over the Limit Crackdown, as FFY 2010 Over the Limit data not available

**The state of Kansas is implementing a new crash reporting form, new electronic transmission software and new crash data repository. These efforts have caused delays in finalizing the 2009 crash data and therefore, this plan contains information from the most previous completed year, 2008.**

## Goal Statements

- Decrease traffic fatalities two percent annually from the 2004-08 calendar base year average of 431 to 398 by December 31, 2012.
- Decrease serious traffic injuries two percent annually from the 2004-08 calendar base year average of 1,799 to 1,691 by December 31, 2012.
- Decrease 2.5 percent annually fatalities/VMT from the 2003-07 calendar base year average of 1.51 to 1.39 by December 31, 2012.
- Decrease unrestrained passenger vehicle occupant fatalities by two percent annually from the 2004-2008 calendar base year average of 200 to 188 by December 31, 2012.

- Decrease alcohol impaired driving fatalities 1.5 percent annually from the 2004-2008 calendar base year average of 118 to 113 by December 31, 2012.
- Decrease speeding-related fatalities two percent annually from the 2004-2008 calendar base year average of 115 to 105 by December 31, 2012.
- Decrease motorcyclist fatalities two percent annually from the 2004-08 calendar base year average of 44 to 41 by December 31, 2012.
- Decrease unhelmeted motorcycle fatalities three percent annually from the 2004-08 calendar base year average of 30 to 27 by December 31, 2012.
- Decrease drivers age 20 or younger involved in fatal crashes two percent annually from the 2004-08 calendar base year average of 82 to 77 by December 31, 2012.
- Reduce pedestrian fatalities one percent annually from the 2004-08 calendar base year average of 21 to 20 by December 31, 2012.
- Increase statewide observed seat belt use in passenger vehicles two percentage points from the 2004-08 calendar base year average usage rate of 72 to 80 percent by December 31, 2012.

<b>Kansas Traffic Safety Statistics</b>					
	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>Statewide Crash Data</b>					
Total Crashes	74,119	68,675	65,460	70,589	65,858
Injury Crashes	16,634	16,185	15,792	16,228	14,866
Property Damage Crashes	57,095	52,106	49,241	53,982	50,644
Fatalities	459	428	468	416	385
Fatalities per 100 Million VMT	1.55	1.43	1.41	1.37	1.29
Injuries	23,783	22,723	22,320	22,904	21,058
Injuries per 100M VMT	80.91	76.39	73.55	75.43	71.00
Alcohol Related Fatalities	116	119	114	118	131
Alcohol-related Fatality Rate per 100M VMT	0.39	0.40	0.38	0.38	.43
Percentage of Alcohol Related Fatalities	25%	28%	23%	28%	34%
Vehicle Miles Traveled (millions)	29,524	29,907	30,311	30,364	29,787
# of Licensed Drivers (in thousands)	2,015	2,008	2,003	2,018	2,020
# of Registered Vehicles (in thousands)	2,488	2,529	2,561	2,559	2,200
<b>Seat Belt Rate</b>	68	69	72	75	77
<b>Novice Driver Statistics (ages 14-20)</b>					
Total Crashes	21,265	19,175	18,339	18,757	17,111
Fatal Crashes	90	76	79	78	63
Injury Crashes	5,550	5,164	5,167	4,978	4,389
Property Damage Crashes	15,625	13,935	13,093	13,701	12,659
Total Fatalities	101	91	85	85	67
Total Injuries	8,380	7,618	7,717	7,462	6,553

Percentage of Overall Crashes	29%	28%	28%	27%	26%
Alcohol-related Crashes	628	519	614	591	556
Alcohol-related Fatalities	19	10	12	19	18
Alcohol-related Injuries	434	390	346	249	238

<b>County Rankings by Traffic Safety Problems</b>			Table 1		
1	Wyandotte	14	Saline	27	McPherson
2	Reno	15	Finney	28	Pottawatomie
3	Sedgwick	16	Labette	29	Bourbon
4	Crawford	17	Jefferson	30	Osage
5	Douglas	18	Ford	31	Sumner
6	Shawnee	19	Barton	32	Franklin
7	Johnson	20	Ellis	33	Jackson
8	Cowley	21	Miami	34	Seward
9	Leavenworth	22	Cherokee	35	Dickinson
10	Riley	23	Harvey	36	Atchison
11	Montgomery	24	Allen	37	Nemaha
12	Butler	25	Geary	38	Brown
13	Lyon	26	Neosho	39	Harper

Removed from List: Brown, Linn, Marion

<b>Urban Area Rankings by Traffic Safety Problems</b>			Table 2		
1	Wichita	14	Dodge City	27	El Dorado
2	Lawrence	15	Merriam	28	Derby
3	Manhattan	16	Pittsburg	29	Leawood
4	Topeka	17	Arkansas City	30	Liberal
5	Hutchinson	18	Johnson Co, Bal	31	Mission
6	Kansas City	19	Shawnee	32	Independence
7	Salina	20	Winfield	33	McPherson
8	Overland Park	21	Hays	34	Wellington
9	Lenexa	22	Parsons	35	Prairie Village
10	Olathe	23	Atchison	36	Chanute
11	Emporia	24	Great Bend	37	Ottawa
12	Leavenworth	25	Junction City	38	Coffeyville
13	Garden City	26	Newton	39	Gardner

Removed from List: Augusta

# Statewide

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## **Problem Statement**

Program staff will utilize these resources to receive additional training and travel opportunities to further the existing programs and potentially implement new strategies to address Traffic Safety in the state.

## **Strategies**

- Provide resources that allow staff to receive additional training opportunities in-state and out-of-state by organizations dedicated to traffic safety issues.

## **Project Summaries**

### **Section 402**

#### **PA-0918-11**

#### **TS Staff Travel & Training Costs**

**\$20,000**

This fund enables Section staff to obtain training and attend key conferences in other states. This will allow new staff training on the Grant Tracking System, Program Management and individual program specialties.

# Alcohol

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## Problem Statement

Alcohol related deaths continue to be a problem in the state. Highly visible enforcement, targeted media and educational opportunities will be utilized to reduce the number of alcohol-related deaths and injuries in the state.

	2004	2005	2006	2007	2008
Total Crashes Alcohol-Related	3,322	3,039	3,216	3,292	3,366
Fatal Crashes	99	112	103	109	120
Injury Crashes	1,417	1,361	1,447	1,377	1,384
Property Damage Crashes	1,806	1,596	1,666	1,806	1,862
Fatalities	117	119	114	118	131
Fatalities per 100 Million VMT	0.39	0.4	0.38	0.38	0.43
Injuries	2,005	1,932	2,061	1,944	1,999
Proportion of Alcohol-Related Fatalities	25%	29%	24%	29%	34%
DUI Arrests	18,303	17,672	17,660	19,732	16,960
<b>Under 21 Alcohol-Related</b>					
Crashes	628	519	614	587	556
Fatal Crashes	18	9	15	21	18
Injury Crashes	284	255	295	233	238
PDO Crashes	326	255	304	333	300
Fatalities	19	10	12	19	18
Injuries	434	390	346	249	354
Percentage of Teen Crashes	18.9%	17.1%	19.1%	17.8%	16.5%

## Strategies

- Provide local law enforcement with training and resources for conducting sobriety checkpoints.
- Recruit additional local law enforcement participation in the Impaired Driving Deterrence Program (IDDP).
- Increase the amount of paid media dedicated to reducing impaired driving/riding and underage access to alcohol.
- Underwrite education for court system personnel on impaired driving laws and techniques used in removing impaired drivers.
- Maintain the number of Drug Recognition Experts in the state and provide opportunities for officers to maintain their certification.
- Provide education for high school students on the dangers of impaired driving.

- Develop materials and implement activities aimed at pre-teen prospective drivers (ages 12-14) to begin educating them about the risks of alcohol use and its effect on safe driving.
- Research and begin process of establishing a pilot DUI court in Kansas.
- Plan and coordinate Alcohol Summit

**Project Summaries**

**Section 402**

<b>AL-0915-11</b>	<b>Kansas Traffic Safety Resource Office</b>	<b>\$425,000</b>
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This contract will emphasize increasing the occupant protection rate for all ages, reducing the number of drinking drivers, promote prevention of underage alcohol consumption and enhance current safe driving activities. The contractor will work closely with KDOT, local law enforcement, driver’s education programs, Kansas Safe Kids, SADD chapters, minority organizations, employers and other traffic safety advocates around the state. This office will continue to provide educational opportunities to all Kansas motor vehicle drivers and passengers regarding the topics of impaired driving, motorcycle safety, occupant protection, and child passenger safety. They will also provide a coordinator for the S.A.F.E. (Seatbelts Are For Everyone) program targeting selected high schools across the state. Another facet will be to identify and contact large employers in the state about the costs and benefits associated with promoting positive traffic safety efforts within their workforce. They will also work to identify and locate at-risk minority populations in the state and work to increase compliance with traffic safety laws. (This office will evenly split funding in 402 AL and 402 OP).

**Section 410**

<b>AL-IDDP-11</b>	<b>Law Enforcement IDDP Patrols</b>	<b>\$250,000</b>
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This project provides overtime funding for approximately 22 local law enforcement agencies to conduct a prescribed number of saturation patrols and sobriety checkpoints throughout the grant year. An allowance is also provided for commodities needed to conduct impaired driving traffic activities.

<b>AL-9494-11</b>	<b>Public Information and Education</b>	<b>\$15,000</b>
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Project enables the Traffic Safety Section to print selected materials, coordinate public information and education committees, and conduct or help sponsor special events related to prevention of impaired driving.

<b>AL-XXXX-11</b>	<b>DUI Court</b>	<b>\$450,000</b>
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These funds will enable the Bureau to establish a pilot DUI court in the state. KDOT will expand this program to specific areas in the state after the pilot program has been established.

<b>AL-0927-11</b>	<b>Judge’s Training</b>	<b>\$100,000</b>
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The conference enhances and provides information to municipal and district court judges and court personnel on new laws and the current techniques and resources utilized to remove impaired drivers from Kansas roadways. This program will work in conjunction with the Office of Judicial Administration.

<b>AL-TSRP-11</b>	<b>Traffic Safety Resource Prosecutor</b>	<b>\$160,000</b>
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The Traffic Safety Resource Prosecutor will assist prosecutors in the adjudication of the traffic laws with an emphasis on “drunk driving.” This position will provide continuing legal education programs, technical assistance and other services to the Criminal Justice Community to improve their ability to prosecute violations of traffic laws.

**AL-0926-11** **Court Monitoring** **\$100,000**

This contract will assist DUI Victim Center in the south-central region of Kansas with its services to DUI offenders and assist regional impaired driving advocates with monitoring DUI court cases. This grant should provide insight into the achievement of more efficient prosecution and adjudication of impaired drivers.

**AL-9106-11** **Kansas Highway Patrol Blood Alcohol Unit** **\$310,000**

Provides support resources for local sobriety checkpoints and saturation patrols. In addition, provides support for SFST (Standardized Field Sobriety Testing) and ARIDE (Advanced Roadside Impaired Driving Enforcement) programs. The unit also coordinates the DRE (Drug Recognition Expert) program, targeting metropolitan and major corridor areas. Another function of the unit is to present/train at educational institutions on drugs in the academic environment. The BAU (Breath Alcohol Unit) will work to teach the “Drugs in the Academic Environment” curriculum.

**AL-XXXX-11** **Law Enforcement Equipment** **\$550,000**

This contract is designed to equip local law enforcement with equipment to improve or enhance local law enforcements challenges in the battle against impaired driving. Anticipated expenses will include Breath Alcohol Mobile Units and other state of the art equipment designed to remove impaired drivers off Kansas roads.

**AL-XXXX-11** **Alcohol Summit** **\$20,000**

The summit is designed to bring a select group of our law enforcement partners together to discuss how we can enhance impaired driving enforcement statewide. This round table format will encourage LE agencies to share in a serious discussion on how we can return to the basics. They will be able to voice concerns, rediscover countermeasures that work and brainstorm concepts in enforcement that have yet to be implemented.

# Motorcycle Safety

## Problem Statement

Motorcycle crashes continue their mild upward trend, while fatalities have begun to decrease. Public education and paid media will be the primary delivery methods to make positive impacts in this area.

<b>Motorcycle Statistics</b>					
	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Total Crashes	970	1,013	1,082	1,169	1,138
Fatal Crashes	31	33	58	49	44
Injury Crashes	768	802	881	935	929
Property Damage Crashes	171	178	143	186	165
Fatalities	32	35	64	49	45
Percent Wearing Helmet	26.7%	20.0%	28.1%	29.2%	25%
Injured	897	944	954	1,085	1028
Percent Wearing Helmet	31.1%	31.5%	31.8%	36.5%	37.5%
# of Single Vehicle Crashes	546	576	611	643	635
Licensed Riders	204,528	204,773	203,258	206,376	215,105
Registered Motorcycles	56,019	60,834	65,512	70,370	76,361
<b>Alcohol-Related Motorcycle Crashes</b>					
Total Crashes	67	76	87	78	113
Total Fatalities	6	7	12	10	19
Total Injuries	68	79	85	83	111

## Project Summaries

### Section 2010

#### MC-1200-11

#### **Motorcycle Safety**

**\$280,000**

This project will enable KDOT, with the assistance of an established task force, to promote motorcycle awareness to all drivers. A media effort including outdoor signage and print advertising, as well as non-traditional advertising, focusing on motorcycle conspicuity will be coordinated with this funding. KDOT will continue to strategize with the local law enforcement community to address special traffic safety problems associated with motorcycles. Funding will also be made available to send selected participants to NHTSA training or other motorcycle safety conferences in 2011. Impaired riding initiatives will be provided with 410 AL funds.

# Occupant Protection

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## Problem Statement

Kansas has steadily increased the observed seat belt rate in the state over the past several years, but remains below the national average. A new Primary Law, paid media, highly-visible enforcement, and educational program development will provide the tools for increasing the seat belt rate.

	2005	2006	2007	2008	2009
Seat Belt Rate	69%	73%	75%	77%	77%
Seatbelt Use by Road Type					
Rural Interstate	78%	84%	83%	91%	91%
Rural State Roads	68%	72%	73%	76%	76%
Rural County Roads	57%	60%	65%	67%	64%
Urban Interstate	78%	84%	85%	84%	85%
Urban State Roads	67%	71%	73%	72%	72%
Urban City Streets	63%	67%	64%	63%	62%
Child Safety Seat Use by Ages					
0-4	81%	83%	88%	93%	96%
5-9	49%	53%	62%	69%	73%
10-14	47%	48%	55%	63%	67%
15-17					61%
Fatal Crash Occupant Use	30%	40%	39%	30%	41%

## Strategies

- Continue to provide grants to law enforcement agencies for overtime enforcement of safety belt violations through the Special Traffic Enforcement Program (STEP).
- Provide statewide occupant protection public education and information through media campaigns in conjunction with law enforcement mobilizations and special corridor activities – English and Spanish.
- Continue to provide CPS Safety Seats state-wide in recognized distribution/fitting stations for low income families.
- Continue Adult/Child Safety Belt Surveys, and Boosters to Belts education state-wide through presentations, brochures etc.
- Provide state-wide media awareness campaign on occupant protection.
- Support CPS Safety Training using the current NHTSA standardized curriculum.
- Use seatbelt survey results to target problem areas of the state.
- Promote awareness of Primary Seat Belt Law passed in 2010.



**OP-1306-11** **CPS Safety Seats** **\$100,000**  
Approximately 2,600 seats are purchased and distributed each year to fitting stations throughout the state. These fitting stations work with low-income families, and are qualified to install the seats, as well as instruct parents on their use.

**OP-XXXX-11** **Booster Seat Awareness** **\$555,000**  
This project will strive to educate the traveling public of the importance of booster seats and raise awareness of all child occupant protection issues. KDOT is working with local advocates to determine needs and proper utilization of these funds. Commodities and signage for the Highway Patrol buckle-up trailers will also be addressed with this contract.

**OP-XXXX-11** **CPS Regional Conference** **\$50,000**  
KDOT is working with Safe Kids Kansas and other child passenger safety advocates to host a regional conference at the Kansas Law Enforcement Training Center in May, 2011. These funds will assist in providing high-quality programs while keeping costs to a minimum for attendees. Sessions will also provide attendees with CEUs for the recertification process.

**Section 405**

**OP-XXXX-11** **Primary Law Incentive** **\$465,000**  
Kansas passed a primary seat belt law in 2010. This additional criterion should allow the state to qualify for Section 405 funds. These funds will be allocated to the promotion of the seat belt laws in the state and assist in evaluation of our occupant protection program.

**Section 406**

**OP-XXXX-11** **Primary Law Incentive** **\$1,000,000**  
The Traffic Safety Section at KDOT will be responsible for expending the incentive money received by the state for passing a Primary seat belt law. These funds will assist in efforts to educate the public on the new law, provide equipment to law enforcement that encourage seat belt use through enforcement in their area and foster new initiatives to promote traffic safety in general.

# Paid Media

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## Problem Statement

Fatalities in the state are trending downward. Paid media has been an integral part of this positive trend and will continue to support the objective of reducing death and injury on our roadways.

## Strategies

- Advertise seatbelt & alcohol messages during sporting events at the state's three Division I colleges
- Advertise at special events/venues in KS to reach target audiences for seatbelt and alcohol messages (i.e. Country Stampede, Hummer Sports Park)
- Continue and expand our media messages during the national mobilizations
- Utilize media during specialized corridor enforcement activities
- Continue motorcycle awareness media
- Implement non-traditional media methods, such as banner ads on internet and other forms of social media

## Project Summaries

### Section 402

#### **PM-XXXX-11**

#### **General/University Advertising**

**\$200,000**

These funds will enable KDOT to purchase advertising to raise the awareness of impaired driving and occupant protection in the state. These funds will also allow for advertising at the three large universities in the state (Kansas State, Kansas and Wichita State).

#### **PM-XXXX-11**

#### **Click It Or Ticket Ads**

**\$200,000**

This project will support another major media effort during our Click It Or Ticket Campaign in May 2011. This campaign will rely significantly on TV and radio spots. KDOT has recently expanded into on-line media outlets and will continue this effort, along with other non-traditional media opportunities.

### Section 410

#### **PM-XXXX-11**

#### **Impaired Driving/Riding Ad Campaign**

**\$470,000**

Secure air time, as well as non-traditional media, for a targeted effort to support local law enforcement's Labor Day campaign combating impaired driving and riding. This project will be coordinated by the KDOT media contractor.

## **Evaluation**

Evaluations will be conducted to support the media efforts described in the Paid Media section. Each paid media buy will include the reach/frequency, gross rating points, total audience reached for each media outlet focusing on the target audience, and will be approved by KDOT prior to any placement agreement. Typically, the "buys" generate free media space due to the large amount of funds expended. KDOT will detail the buy plans and results in the annual report.

# Pedestrian & Bicycle Safety

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## Problem Statement

Pedestrian and cyclist deaths and total crashes have remained stagnant over the past several years. Educational brochures and distribution of bicycle helmets continue to be the primary method of providing awareness for this group.

	2004	2005	2006	2007	2008
Total Crashes	869	861	816	784	722
Percent of Total Crashes	1.17%	1.23%	1.25%	1.11%	1.09%
Total Fatalities	23	28	29	22	24
Percent of Total Fatalities	4.98%	6.54%	6.20%	5.29%	6.23%
Pedestrian					
Fatalities	20	24	23	20	19
Injuries	450	474	442	472	399
Cyclists					
Fatalities	3	4	6	2	5
Injuries	357	320	330	279	269

## Strategies

- Maintain clearinghouse of child and adult bicycle brochures to distribute upon request.
- Maintain clearinghouse of child and adult pedestrian brochures to distribute upon request.
- Provide promotional items for the Annual Walk Your Child to School Day.

## Project Summaries

### Section 402

#### **PS-0932-11**

#### **Public Information and Education**

**\$5,000**

These project funds enable Traffic Safety staff to produce and/or distribute printed materials and promotional items on both bicycle and pedestrian safety. Prominent examples are KDOT's annual distribution of about 26,000 of its *Tips for Fun and Safe Biking* clip-on hang tag cards across the state to local bicycle rodeo sponsors, retailers, cycling clubs, and the spring Kansas Kids Fitness and Safety Day; and the purchase and distribution of around 8,000 light-reflecting identification tags for zippers in support of International Walk Your Child to School Day each October.

#### **PS-1131-11**

#### **Bike Helmets**

**\$15,000**

This grant is with the Safe Kids Kansas coalition. Safe Kids Kansas promotes bicycle education and the proper fit and operation of bicycles and helmets. The program purchases bicycle helmets and distributes them around the state at child-focused events.

# Police Traffic Services

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## Problem Statement

Law enforcement plays a critical role in reducing death and injury on our roadways. Therefore, specific programs have been designed to keep them engaged in promoting traffic safety throughout the state.

## Strategies

- Provide funding for local law enforcement to attend training in the latest techniques of traffic enforcement.
- Continue funding for the KHP RAVE program to remove impaired drivers and target aggressive driving habits.
- Continue to promote occupant protection and impaired driving issues around the state.
- Continue two additional part-time Law Enforcement Liaisons (LELs) targeting areas in northeast and western Kansas to assist the full-time statewide LEL.

## Project Summaries

### Section 402

#### PT-0938-11

#### **Local Travel & Training**

**\$20,000**

These funds enable local jurisdictions to be reimbursed for special traffic-related training opportunities.

#### PT-XXXX-11

#### **Law Enforcement Liaison**

**\$170,000**

In addition to the one full time LEL, KDOT has two-part-time LELs to maintain and enhance the good working relationship with the nearly 450 diverse local law enforcement agencies in promoting occupant protection and impaired driving issues around the state.

#### PT-0931-11

#### **Local Law Enforcement Incentives**

**\$220,000**

KDOT plans to purchase and distribute equipment to Special Traffic Enforcement Program (STEP) law enforcement agencies that promote and participate in traffic safety enforcement efforts.

#### PT-1704-11

#### **LEL Luncheons/Operation Impacts**

**\$10,000**

Operation Impact is the gathering of local law enforcement agencies based upon their geographic location. The gatherings are designed to encourage cooperation and resource utilization between agencies on efforts to promote traffic safety in their region. KDOT is currently working with several law enforcement agencies in the Wichita area to create and support a similar effort as the one conducted in the Kansas City area.

### Section 410

#### PT-9101-11

#### **Kansas Highway Patrol R.A.V.E. Program**

**\$75,000**

The Kansas Highway Patrol supports impaired driving prevention through Roving Aggressive Violation Enforcement (RAVE). Very often this is done in concert with scheduled patrols or checkpoints conducted by local law enforcement agencies.

# Roadside Safety

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## Problem Statement

Many localities lack engineering expertise and this program will assist these entities in addressing local traffic safety problems.

## Strategies

- Continue support of local and state officials' ability to provide safer roadways through training and materials

## Project Summaries

### Section 402

#### **RS-1402-11**

**Kansas State University**

**\$128,800**

Provide training for Kansas public employees who have traffic safety responsibilities. A secondary objective is to develop and/or update workshop materials and handbooks to be used in these trainings and on-the-job activities.

#### **RS-0618-11**

**Bucher, Willis, and Ratliff Consultants**

**\$75,000**

#### **RS-1618-11**

**TranSystem Corporation**

**\$75,000**

In order for the State to realize the highest possible pay off in funds allocated for highway safety it is necessary that traffic engineering services be provided to local government units who currently do not have traffic engineering expertise. Traffic expertise can best be provided to those governmental units on an individual project basis by utilizing consulting firms engaged in traffic, transportation, engineering and planning activities to analyze the problem and develop a solution.

# Safe Communities

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## Problem Statement

Knowledge transfer and communication between traffic safety advocates and communities across the state will assist in reducing death and injury on Kansas roadways.

## Strategies

- Promote and conduct annual statewide conference on highway safety issues
- Solicit and promote community-based traffic safety programs in Kansas
- Improve information and resource availability for local agencies and advocates in Kansas.

## Project Summaries

### Section 402

#### **SA-0943-11**

#### **Kansas Transportation Safety Conference**

**\$105,000**

This project provides for an annual two-day statewide transportation safety conference to support the implementation of safety strategies and improve communication among diverse transportation safety advocates, both youth and adult. This contract is presently administered by the KU Department of Continuing Education through the University of Kansas Center for Research, an independent organization affiliated with the University of Kansas.

#### **SA-1066-11**

#### **Public Information & Education**

**\$20,000**

These funds enable KDOT to purchase safe driving promotional items, reproduce and distribute educational materials produced by media contractor, NHTSA, or other reputable sources. KDOT will work with the Department of Commerce in promoting safe driving throughout the state. This fund will also be used to purchase subscriptions or memberships in companies or organizations relating to enhanced activity in the traffic safety community.

#### **SA-1908-11**

#### **Wyandotte County Safe Communities**

**\$40,000**

A traffic safety grant has been made to the Unified Government Public Health Department of Wyandotte County. That agency partners with a coalition of safety advocates, including area law enforcement, Children's Mercy Hospital, the Kansas University Medical Center, the Kansas Traffic Safety Resource Office, and others to bring awareness and improvement for the many traffic safety problems that continue to plague this very mobile county.

#### **SA-XXXX-11**

#### **Novice Driver**

**\$20,000**

This project is designed for BTS to partner with the SROs statewide to provide consistent, thorough and reputable education and resources for novice drivers. The projects, focusing on topics such as impaired driving, seat belts, distracted driving, and other driver behaviors, will run in conjunction with major events such as holidays, Spring Break, Prom and the start and end of the school year.

#### **SA-1920-11**

#### **Predicting Young Driver Crash Risk**

**\$150,000**

This project, completing its second year, is comprised of three occasionally concurrent areas of inquiry: 1) final development and testing of an assessment tool that can effectively pre-identify IF and WHY a young, novice driver is at increased risk for a motor vehicle-related crash while looking for correlations of six youth

subpopulations: licensed—yet-to-be licensed, urban—rural, male-female. 2) Development and testing of self-administered interventions targeted at specific attitude/risk categories by high-risk youth. 3) Development and testing of an effective and economical marketing campaign to youth and their parents and any entity with an interest in young driver safety and training. The project is conducted by Dr. Renee Slick, a research psychologist who has developed similar assessment and intervention products for the nation’s military services.

**SA-1057-11** **Comprehensive Media Campaign** **\$450,000**

This contract provides for professional development of our message concerning safe driving, occupant protection, and impaired driving. The contractor will produce original TV, radio, and print material, or modify those produced by NHTSA or other entities, to fit the Kansas dynamics and population. They will also monitor and update social media pages (i.e. Facebook, YouTube, Twitter), and will assist in promoting KDOT’s safety messages through other non-traditional media efforts. The contractor will be expected to purchase air time and print space in a manner that optimizes our media dollar by successfully reaching the target populations. Assessment and evaluation activities will also be conducted under this program.

**SA-1024-11** **Kansas Operation Lifesaver, Inc.** **\$15,000**

Kansas Operation Lifesaver, Inc. (KS OL) strives to reduce the number of injuries and fatalities at highway-rail grade crossings and on railroad rights-of-way through various methods of Public Service Announcements, education, and videos. While the number of fatalities and injuries has been reduced significantly throughout the state during the last 37 years, KS OL continues giving free safety presentations to all target groups across Kansas. This railroad safety message reached nearly 100,000 people last year through handouts, brochures, and other safety-specific materials. “Always Expect a Train! Stay Off! Stay Away! Stay Alive!” “Look, Listen, Live!” Remember “Any Time is Train Time!”



**SA-XXXX-11** **Awareness/Perception Survey** **\$20,000**

As part of the Performance Measures adopted by NHTSA and GHSA, KDOT will conduct an awareness/perception survey around the state. This survey will be designed to “gauge” the awareness of the programs offered by the state, specifically Click it or Ticket and Over the Limit, Under Arrest.

**Section 1906**

**RP-1906-11** **Racial Profiling** **\$900,000**

Through this grant, Kansas will focus on gathering and making any racial profiling traffic stop data available for public viewing through the Attorney General’s website. A grant has been established with the Governor’s Racial Profiling Task Force to assist in the data collection and training.

# Traffic Records

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## Problem Statement

Reliable, time sensitive and comprehensive data are vital to developing targeted strategies to address traffic safety problems.

## Strategies

- Implement TRCC Strategic Plan
- Provide resources and expertise in electronic data transmission.
- Develop linkage between other state data systems

## Project Summaries

### Section 408

#### **TR-4013-11**

#### **Traffic Records Coordinating Committee**

**\$1,400,000**

These funds will allow KDOT to proceed with the TRS 2.0 implementation. TRS 2.0 will include changes in technology and design over the TRS 1.0 which was deployed in 2009 to support crash report processing. Plans are to utilize the eCitation project to spearhead and deploy TRS 2.0 technologies. It is the goal of the TRCC to begin gathering citation data in an electronic format and to establish a statewide repository for this data. TRS 1.0 will be maintained while TRS 2.0 is deployed but at some point will be migrated to the newer technologies.

### Section 163

#### **TR-2200-11**

#### **Traffic Records Consultant**

**\$40,000**

This position will assist in the coordination of all the parties associated with traffic records and improve the efficiency and accessibility of the data. The Consultant will assist the state in the implementation of the Traffic Records Strategic Plan that was developed in FFY 10.

## State of Kansas HSP Cost Summary - FFY 11

Program Area Codes	Approved Program Funds	Match %	State & Local Funds	Federally-Funded Programs			40 % Federal Share to Local
				Previous Balance	Modification	Current Balance	
<b>PA</b>	20,000		\$600,000	20,000		20,000	
<b>AL</b>	425,000			425,000		425,000	
<b>OP</b>	1,817,000			1,817,000		1,817,000	1,000,000
<b>PM</b>	400,000			400,000		400,000	
<b>PS</b>	20,000			20,000		20,000	20,000
<b>PT</b>	420,000		\$250,000	420,000		420,000	420,000
<b>RS</b>	278,800			278,800		278,800	278,800
<b>SA</b>	820,000			820,000		820,000	200,000
<b>402 Total</b>	<b>4,200,800</b>	<b>20%</b>	<b>850,000</b>	<b>4,200,800</b>		<b>4,200,800</b>	<b>1,918,800</b>
<b>408 TR</b>	1,400,000	20%	280,000	1,400,000		1,400,000	
<b>163 TR</b>	40,000			40,000		40,000	
<b>2010 MC</b>	280,000			280,000		280,000	
<b>2011 Booster</b>	865,000	25%	216,250	865,000		865,000	
<b>410 AL</b>	550,000	25%	137,500	550,000		550,000	
<b>410 AL</b>	1,950,000	50%	975,000	1,950,000		1,950,000	
<b>405 OP</b>	465,000			465,000		465,000	
<b>406 PL</b>	1,000,000			1,000,000		1,000,000	
<b>1906 RP</b>	900,000	20%	180,000	900,000		900,000	
<b>Total Other</b>	<b>7,450,000</b>		<b>1,788,750</b>	<b>7,450,000</b>		<b>7,450,000</b>	
<b>Total</b>	<b>11,650,800</b>		<b>\$2,638,750</b>	<b>11,650,800</b>		<b>11,650,800</b>	