

Traffic Records – FY 2016

It is essential for stakeholders to submit data on all traffic crash events in order to analyze problem areas and construct solutions to reduce crashes and prevent fatalities and injuries. This data must be complete, timely, and accurate for efficient traffic safety planning in all program areas.

Goals:

Increase observed seat belt use of front seat outboard occupants in passenger vehicles from 93.3 percent in 2014 to 98 percent by December 31, 2017.

Decrease fatalities and incapacitating injuries by 11.5 percent from 5,785 in 2014 to 5,116 by December 31, 2017.

Decrease the vehicle mileage fatality rate by 11 percent from .93 in 2014 to .83 by December 31, 2017.

Task 1: Traffic Crash Data Support and Training		\$4,502,000
	Revision 03/14/2016	\$4,504,000
	Revision 03/08/2016	\$3,285,000
	Revision 01/15/2016	\$1,795,000
		\$1,822,000
	Revision 10/14/2015	\$1,947,000
Section 405(c) funds		\$4,502,000
	Revision 03/14/2016	\$4,504,000
	Revision 03/08/2016	\$3,285,000
	Revision 01/15/2016	\$1,795,000
		\$1,822,000
	Revision 10/14/2015	\$1,947,000

Traffic Crash Reporting System (TCRS) Modernization with UD-10 Redesign

Project Number	CP-16-01	
Benefit to Locals	No	
Grantee	OHSP-Special Projects	
Grant Amount, Funding Source	\$150,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Enhance the availability, timeliness, and use of traffic crash reports, and other planning data and information through improvements to the traffic crash records system by September 30, 2016.	

The TCRS is a client/server application written in a technology that will soon be out-of-date. As a result, the application needs to be upgraded to an enterprise approved/supported technology. Funding for this project will enhance the availability, timeliness, and use of traffic crash records systems, which in turn assists

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with improved research studies and traffic crash data evaluations. This is the final year of the planned four year project.

Funding will support the vendor contractual costs for modernizing the TCRS application.

Traffic Records Data Linkage

Project Number	CP-16-01	
Benefit to Locals	No	
Grantee	OHSP-Special Projects	
Grant Amount, Funding Source	\$100,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Develop a road map to provide the state with a technical plan to link various traffic records databases together.	
Project Objective	Develop and implement an identified short-term data linkage project with the Department of Technology, Management, and Budget (DTMB) project manager by September 30, 2016.	

Currently there is not a system or process by which users of multiple databases (such as crash data, citation data, emergency medical services data, driver records, roadway data, vehicle records, etc.) can link to data for conducting in-depth data analysis for planning and evaluating traffic safety initiatives. Planning continues with this project as the DTMB project manager and the Traffic Records Coordinating Committee (TRCC) will develop and implement a short-term data linkage project as the first step in developing a comprehensive data linkage system.

Funding would support the project manager costs, software development, testing, and implementation of data linkages between the appropriate traffic records databases.

Traffic Crash Reporting Form (UD-10) Training Support

Project Number	TR-16-02	
Benefit to Locals	No	
Grantee	MSP-CJIC	
Grant Amount, Funding Source	\$53,000 \$50,000 10/14/2015	405(c)
Grant Start-up	October 1	
SHSP Strategy	Provide highway safety training, technical assistance, funding, and other resources to state and local agencies.	
Project Objective	Improve accuracy of crash data by educating at least 100 law enforcement and traffic safety partners throughout Michigan on proper completion of traffic crash reports by September 30, 2016.	

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This project would be a continuation of the Fiscal Year 2015 crash report training project which provided training to law enforcement recruit schools, motor carrier in-service schools, officer and supervisor training, as well as to civilian employees of law enforcement and transportation agencies.

The instructor will provide training, in various mediums, to law enforcement agencies on the current UD-10 crash form, as well as on the revisions that will become effective January 1, 2016.

Funding will support the costs of training supplies, equipment, and travel to the 2016 National Traffic Records Forum.

Crash Locating Improvement Project (CLIP)

Project Number	TR-16-02	
Benefit to Locals	No	
Grantee	MSP-CJIC	
Grant Amount, Funding Source	\$50,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Improve accuracy of crash location data by simplifying the mapping/locating interface in the crash reporting system by September 30, 2016.	

Currently, the Traffic Crash Reporting System (TCRS) attempts to locate crashes based on the officer's description. If the system cannot locate the crash, the crash unit technicians must locate the crashes manually. These methods leave room for inaccurate data and human error. To address this issue, a geographic mapping system will be developed, which creates a user interface for vendors to integrate with their e-crash software programs. The officer could then point and click on a crash location, and the exact geographic data would be uploaded to the TCRS, ensuring accurate location data is collected each time.

Funding will support the contractual vendor costs associated with this project.

CLIP Vendor Funding

Project Number	TR-16-02	
Benefit to Locals	No	
Grantee	MSP-CJIC	
Grant Amount, Funding Source	\$300,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Provide funding to support remaining vendors' incorporation of the CLIP location interface by September 30, 2016.	

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This project will assist the six remaining vendors to incorporate the CLIP location interface into their electronic crash reporting systems. If the vendors do not receive funding assistance for the location interface, they may be unable to dedicate staff time to implement the interface into their e-crash reporting program.

Without this interface, the location data within TCRS will continue to be located in the same manner today, increasing the possibility for officer and crash unit technician errors. The manual location process is extremely time consuming. This would free up unit staff to concentrate on other quality control initiatives.

Funding will cover the cost of the crash location interface.

Development of Roadsoft for Statewide Use

Project Number	TR-16-03	
Benefit to Locals	No	
Grantee	MDOT	
Grant Amount, Funding Source	\$102,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	To facilitate statewide engineering data exchanges between MDOT and local agencies by September 30, 2016.	

The current crash system housed at MDOT is a legacy program in need of replacement or redevelopment. The crash analysis system is in use by the majority of local agencies within Michigan. It is a GIS-based asset management tool that also houses a safety module.

Roadsoft allows a user to tie roadway features data (e.g. – culvert, pavement marking, signs, driveways, etc.) to crash data through a GIS platform that utilizes the Michigan Geographic Framework. MDOT has made the decision to develop the Roadsoft safety module for its own use. This will facilitate an engineering data exchange with hundreds of local agencies already using Roadsoft in Michigan.

Funding will cover the costs of development and implementation.

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Traffic Crash Reporting System (TCRS) Website Redesign

Project Number	TR-16-02	
Benefit to Locals	No	
Grantee	MSP-CJIC	
Grant Amount, Funding Source	\$220,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Redesign the TCRS website with improved reporting, functionality, and mapping by September 30, 2016.	

The TCRS web application was implemented in 2003 for use by law enforcement and research groups only. It houses a few reports, a mapping report, and the ability to view the original crash report (UD-10).

With the web application being approximately 12 years old, Michigan needs to improve the website for user groups, to allow for more reporting options, improved functionality, and mapping capabilities.

Funding will support the cost of the contractual services for the web redesign.

Advanced Pedestrian and Bicycle Crash Investigation Training

Project Number	PT-16-14	Changed 10/22/15
Benefit to Locals	Yes	
Grantee	Traffic Improvement Association of Michigan (TIA)	
Grant Amount, Funding Source	\$20,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Conduct at least one training for crash reconstructionists by September 30, 2016.	

Completeness of traffic records is a critical component of model traffic records systems. Education on the accurate reporting of traffic crash evidence helps to improve the crash data submitted by law enforcement agencies, which in turn results in better problem identification for traffic safety program planning.

This training teaches crash reconstructionists the latest methodologies of pedestrian/bicycle traffic crash investigation, with a concentrated focus on the analysis of the collision. The training will also consist of pedestrian/cyclists impact dynamics, effects of vehicle design on pedestrian/cyclist injuries and movement,

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analysis of impact speed in pedestrian/cyclists involved collisions, real world case analysis, and crash testing to assist in the overall pedestrian/cyclist analysis.

Funding will support the cost of the training.

Traffic Records Program Assessment Recommendation Implementation

Project Number	TR-16-04	Changed 10/22/2015
Benefit to Locals	No	
Grantee	TBD	
Grant Amount, Funding Source	\$3,437,000 \$3,439,000 03/14/2016 \$2,220,000 03/08/2016 \$730,000 01/15/2016 \$757,000 10/14/2015 \$767,000 10/14/2015 \$770,000 10/14/2015 \$895,000 10/14/2015	405(c)
Project Number	CP-16-01	
Benefit to Locals	No	
Grantee	OHSP Special Projects	
Grant Amount, Funding Source	\$10,000 10/14/2015	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Implement at least 20 percent of the recommendations from the Traffic Records Program Assessment by September 30, 2016.	

Accurate, timely and accessible crash data is a critical component in helping to make roadways safer for all residents and modes of transportation. Michigan conducted a Traffic Records Program Assessment during Fiscal Year 2015, as well as developed a five-year strategic plan. Fiscal Year 2016 will see the implementation of projects to begin addressing assessment recommendations.

Funding will support the implementations of the assessment recommendations.

UD-10 Crash Report Paper Processing

Project Number	TR-16-02	
Benefit to Locals	No	
Grantee	MSP-CJIC	
Grant Amount, Funding Source	\$60,000	405(c)
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems.	
Project Objective	Complete the new paper processing solution by September 30, 2016.	

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The MSP CJIC Traffic Crash Reporting Unit has launched a multi-year project to modernize the crash database, as well as revise the crash report form (UD-10). This project has identified the need to change the way paper crashes are currently processed.

This project is a continuation of the project that began in Fiscal Year 2015. During Fiscal Year 2016, the project will be completed.

Funding will support the vendor contractual costs.

Task 2: Education and Communication		\$605,000
	Revision 10/14/2015	\$480,000
	Revision 10/14/2015	\$507,000
Section 405(c) funds		\$125,000
	Revision 10/14/2015	\$0
	Revision 10/14/2015	\$27,000
Section 402 funds		\$480,000

Michigan Traffic Crash Facts

Project Number	TR-16-01	
Benefit to Locals	Yes	
Grantee	University of Michigan Transportation Research Institute (UMTRI)	
Grant Amount, Funding Source	\$480,000	402
Grant Amount, Funding Source	\$125,000 10/14/2015	405 c
Grant Start-up	October 1	
SHSP Strategy	Improve timeliness and accuracy of data collection, analysis processes, accessibility, distribution, and systems. Provide highway safety training, technical assistance, funding, and other resources to state and local agencies.	
Project Objective	Produce the 2015 traffic crash data on the Michigan Traffic Crash Facts website including reports, profiles, and new data query capabilities by September 30, 2016.	

UMTRI currently manages public traffic records data essential to the traffic safety community in order to identify and plan for traffic safety initiatives. The data is easily accessible on the internet through the Web site: www.michigantrafficcrashfacts.org.

Funding will continue to support this operation along with enhancements and improvements to the site. In addition, funding will support ad hoc data queries and analysis as needed throughout the fiscal year.

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Task 3: Program Management	\$331,000
Section 402 funds	\$331,000

Program Management

Project Number	CP-16-02	
Benefit to Locals	No	
Grantee	OHSP-Program Management Section	
Grant Amount, Funding Source	\$331,000	402
Grant Start-up	October 1	

Funding will provide for the shared costs of the Program Management team required to implement and manage the OHSP programs.