

Cover Page

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**Project Title** Flagstaff Police Department - Collision Reconstruction Team

**Total Grant Funding Requested** \$24,032.00

**Total ERE Percentage** 45

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Cover Page

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Please upload a cover letter addressed to the Director of the Governor's Office of Highway Safety on agency letterhead. This cover letter **must** be signed by a representative of your agency authorized to commit your agency to conduct the grant should it be approved for funding.

Any proposal received without a cover letter will not be considered for funding by GOHS.

[http://egrants.azgohs.gov/\\_Upload/9430-GOHScoverletterandCollisionReconstrletter.pdf](http://egrants.azgohs.gov/_Upload/9430-GOHScoverletterandCollisionReconstrletter.pdf)

**For GOHS Office use only**

Total Proposal

## Total Estimated Cost

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<b>Budget Item</b>	<b>Amount</b>	
Personnel Services	\$0	
Employee Related Expenses	\$0	0%
Professional and Outside Services	\$0	
Travel In-State	\$22,484	
Travel Out-of-State	\$0	
Materials and Supplies	\$1,548	
Capital Outlay	\$0	
<b>Total Estimated Cost</b>	<b>\$24,032</b>	

## Traffic Data Summary - Law Enforcement

**Please include the following traffic data to support the identified problem in your proposal:**

<b>Description</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>
Total Fatal Collisions	6	5	2
Total Injury Collisions	395	379	372
Total Collisions Investigated	2630	2534	2735
Alcohol-Related Fatalities	1	1	0
Alcohol-Related Injuries	17	26	23
Speed-Related Fatalities	0	0	1
Speed-Related Injuries	99	120	115
Pedestrian Fatalities	2	3	1
Pedestrian Injuries	32	39	40
Bicycle Fatalities	1	1	1
Bicycle Injuries	64	56	49
Total DUI Arrests	825	783	888
Total Misdemeanor DUI Arrests	671	666	749
Total Aggravated DUI Arrests	154	117	139
Total Extreme DUI .15 Arrests	318	297	350
Total DUI-Drug Arrests	71	88	61
Total Dre Evaluations	0	0	0
Sober Designated Drivers	0	0	0
Underage Alcohol Violations-Title 4	747	769	787
Underage DUI Arrests	61	79	67
Underage DUI-Drug Arrests	24	22	4
Total Agency Citations	10410	12828	15340
Speed Citations	1824	1925	1972
Red Light Running Citations	307	435	592
Seat Belt Citations	271	531	795
Child Safety Seat Citations	154	157	240

Jurisdiction

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**Select the Type of Jurisdiction:**

City

**Select the Type of Agency:**

Law Enforcement

Fire Department / District

Non-Profit / Other

**Select the County Served:**

Coconino County

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**Proposal Summary**

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**Proposal Summary:**

Please include a summary of funding requested by program area (Alcohol, Aggressive Driving, Occupant Protection etc...).

Collision Reconstruction Team

The Flagstaff Police Department, in partnership with our local community, is interested in obtaining grant funding to pay for officer training in the area of collision reconstruction for fatality and serious injury traffic collisions. One of our department's greatest services is education, which in turn is used to assist with prevention, as well as effective investigation and prosecution in cases involving personal injury or death on our roadways. One key tool used to accomplish this is through the use of the Collision Reconstruction Team. Continued education for team members and effective equipment are essential to achieving this goal. The Flagstaff Police Department is committed to making our city streets safer for motorists, bicyclists and pedestrians. The administration of justice in collisions involving impaired drivers and reckless motorists directly corresponds to our department's mission to preserve life and property in the service of our community. The total amount requested for Collision Reconstruction Team training and equipment is \$24,032.

**Background/Problem:**

Provide general characteristics of the agency, including information on population, demographics, and a description of streets and highways in the agency's jurisdiction including road mileage.

The City of Flagstaff is the county seat of Coconino County. The city sits at approximately 7,000 feet above sea level. At this altitude, weather conditions such as snow, rain, wind and fog frequently contribute to hazardous road conditions and significantly affect driving, therefore causing collisions. These factors are amplified when impaired drivers are thrown into the mix. Statistical information for vehicles registered in Flagstaff is currently unavailable. However, the Arizona Department of Transportation indicated 175,894 vehicles are registered in Coconino County for fiscal year 2012. This does not necessarily include the vehicles registered to the approximate 18,000 students enrolled at Northern Arizona University and does not consider our high volume of tourist related traffic. The majority of registered vehicles can be associated with Flagstaff and the surrounding commuter communities.

**Streets and highways:**

With a major university located in our city and both summer and winter tourist activity, we have a large volume of commuter and tourist vehicle traffic. Major roadways within our community include Interstate 17, Interstate 40, U.S. Highway 89, U.S. Highway 180, and Historic Route 66. There are approximately 35 miles of state owned highways in the City of Flagstaff. These highways account for large numbers of interstate vehicles in transit. The local economy is dependant on tourism. The City of Flagstaff contains approximately 65 square miles, which is serviced by approximately 634 lane miles of surfaced roadways. The major commuter accessible corridors account for approximately 20 miles of road surface. The majority of impaired drivers, either interdicted or arrested after being involved in a collision are found on these roads.

**Problem Statement:**

What problem is your agency looking to solve with this grant? Provide appropriate data to support funding. In 2012, over 100,000 collisions occurred in the state of Arizona. The number of collisions state wide have been decreasing since 2006, despite the great increase in Arizona's population. This is most likely due to improved training and enforcement. In 2012, the Flagstaff Police Department investigated 2,630 traffic collisions, of which 395 where injury collisions and 6 were fatal. Also during 2012, the Flagstaff Police

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Proposal Summary

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Department Collision Reconstruction Team assisted the Coconino County Sheriff's Office and worked with other agencies in collision reconstruction investigations.

Accurate and thorough investigations are necessary for successful felony prosecution of criminal charges related to the violator's behavior that caused the collision. The Flagstaff Police Department must compose a high quality and comprehensive investigation, including very accurate documentation of the collision scene, evidence collection, reconstruction of the collision, and speed analysis. The Flagstaff Police Department Collision Reconstruction Team has been involved in three recent vehicular homicide investigations involving drug and alcohol abuse. Due to training for our team, two of these collisions had successful Grand Jury Indictments of second degree homicide because speeds were shown to be criminal. One of these indictments included a 20-year sentence for manslaughter and the other is pending prosecution. The third collision is currently awaiting charging review.

With local budget cuts already in place and further budget cut proposals on the horizon, it will become steadily more difficult to properly train officers in this field. The Arizona Peace Officer Standards and Training board currently offers a limited amount of courses in collision investigations and reconstruction. While we have utilized many of these courses, they are not to the level of education required and necessary to provide expert testimony. Also, our department is not always selected to attend these classes when they are offered due to the high demand and limited space available. Therefore, we are requesting assistance in sending officers to the Institute of Police Technology and Management schools. These specific courses were selected due to the fact that the techniques and skills learned will allow officers to effectively and thoroughly investigate the majority of the collisions occurring in our jurisdiction.

The Flagstaff Police Department Collision Reconstruction Team consists of five road officers and one Sergeant who work on a call-out basis. The team currently has only one officer trained at the level of Traffic Crash Reconstruction and no officers trained in the application of energy and damage analysis. Three of our team members have just above minimal basic training in the area of collision reconstruction.

Northern Arizona University is located in the City of Flagstaff, which creates a high volume of pedestrian and bicycle traffic, which is further increased by the Flagstaff community's very supportive stance on cycling and walking. In 2012, two fatal collisions involving a pedestrian death and one fatal collision involving a bicyclist were investigated by our team. Due to the location of Flagstaff at the intersection of several major highways, and as a major tourist destination, there is an influx of motorcycle traffic in the community during the summer months. Since 2006, 5 fatal motorcycle related collisions and numerous serious injury motorcycle collisions have occurred.

Photographic equipment is also being included in this proposal. Accurate scene documentation is necessary to insure the integrity of the investigation and for reference during the reconstruction following the collision. Currently, the Collision Reconstruction Team is issued a small point and shoot digital camera which is insufficient for the level of proper documentation necessary and do not adequately capture the needed photographs at night. The majority of the collisions the Collision Reconstruction Team investigates occur during the nighttime hours.

Funding from this grant would provide the Flagstaff Police Department the ability to send four officers to the Traffic Crash Reconstruction training, two officers to Energy Methods and Damage Analysis in Traffic Crash Reconstruction training, two officers to Pedestrian / Bicycle Crash Investigation training, and two officers to Investigation of Motorcycle Crashes training. Funding would also provide two Canon Digital SLR

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**Proposal Summary**

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cameras. This would allow the Collision Reconstruction Team the training and tools necessary to maintain and increase the level of education and skills required to investigate serious injury and fatality collisions within the Flagstaff community, as well as provide expert testimony in court. Officers attending IPTM classes would remain in the state of Arizona and specifically in Scottsdale, Arizona.

**If you have additional information, please upload:**

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### Attempts to Solve Problem

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#### Attempts to Solve Problem:

Identify past attempts to solve the problem identified in your proposal.

The Collision Reconstruction Team regularly meets to discuss cases and conduct short trainings. Due to budgetary issues, most training in the past year has been in-house. However, we currently do not have an officer qualified to instruct new team members in the high level education of collision reconstruction.

Officers of the collision reconstruction team must be properly trained and brought up to the level of education required in the use of current techniques and knowledge in this highly technical field. In the past, we have attempted to send new team members to the AZPOST courses. Due to state and local budgetary issues, most of these courses have been few and far between, and the classes have a high demand with limited seats available.

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 Project Objectives, Methods of Procedure, Performance Measures: Project 1
 

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**Title:** Project 1

Objectives of the projects in your proposal should follow the SMART method. They should be:

- S = Specific**
- M = Measurable**
- A = Action-Oriented**
- R = Realistic**
- T = Time-Framed**

**Project Objectives:**

The project objectives should be stated in measurable terms directly related to the identified problem, concise and deal with a specific item, realistic, with a reasonable probability of achievement and related to a specific time frame.

As stated, if this request is funded, the Flagstaff Police Department will purchase 10 slots for training in upcoming 2013-2014 IPTM classes located in the City of Scottsdale and purchase two Canon Digital SLR cameras for use by the Collision Reconstruction Team. This proposal will continue to enhance traffic safety and collision investigative services to the citizens of Flagstaff, Coconino County, and the State of Arizona.

Members of the Flagstaff Police Department will continue to provide education to the community in the form of classroom lectures to students and community groups. The Flagstaff Police Department will educate the public on the dangers of driving impaired, the importance of traffic laws, and the avoidance of traffic collisions. Additionally, education and presentations on safety will continue to be provided to pedestrians, bicyclists, and motorcyclists. The Flagstaff Police Department understands that education is an important component to any effort to reduce traffic collisions and fatalities.

**Method of Procedure:**

Detail how your agency will solve the problem and meet the objectives you have set.

October 1, 2013 – December 31, 2013

- Secure funding and internal processing to training and equipment
- Secure slots for upcoming IPTM training
- Purchase listed equipment
- Conduct educational classes and group forums
- Attend IPTM classes offered during this quarter
- Maintain collision reconstruction team availability and response to any serious injury or fatal collisions.

January 1, 2014- March 31, 2014

- Continue educational classes for traffic safety
- Attend IPTM classes offered during this quarter
- Maintain collision reconstruction team availability and response to any serious injury or fatal collisions.

April 1, 2014 – June 30, 2014

- Continue educational classes for traffic safety

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 Project Objectives, Methods of Procedure, Performance Measures: Project 1
 

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- Attend IPTM classes offered during this quarter
- Maintain collision reconstruction team availability and response to any serious injury or fatal collisions.

July 1, 2014 –September 30, 2014

- Continue educational classes for traffic safety
- Attend IPTM classes offered during this quarter
- Maintain collision reconstruction team availability and response to any serious injury or fatal collisions.

Once funding is acquired, slots in the upcoming IPTM courses will be secured and the two cameras purchased. Community education would be conducted at local elementary, middle, and high schools, neighborhood and business block watch groups, driver education courses, as well as community related groups and programs. We would continue to conduct DUI impact panels and discussions of DUI among students and community groups. Our department would thoroughly investigate non-injury, injury, and fatal collisions and take appropriate enforcement action. The Collision Reconstruction Team will be utilized at all fatal and serious injury collision for scene processing and investigation, to insure all appropriate facts are recorded and reconstruction completed. All criminal cases will be forwarded to the Coconino County Attorney for review and charging.

**Performance Measures:**

Establish measurable goals for your proposal. Example: "To decrease alcohol related fatalities 10% from the 2012 base year average of 250 to 225 by September 30, 2014." "To increase DUI arrests 10% above the 2008 base year average of 5,000 to 5,500 by September 30, 2014."

Your agency should enumerate the objectives of the project in this section. Example: "To participate in 4 DUI Task Forces by September 30, 2014." "To participate in 8 speed enforcement details by September 30, 2014."

With the added resources from the Governor's Office of Highway safety, Flagstaff Police Department's goals are as follows:

- To have a 40% reduction in fatal collisions in 2013. This would mean a reduction in fatal collisions from 6 to 4 or less.

- To have a 5% reduction in injury collisions in 2013. The three year average from 2010-2012 was 382. Our goal is to have less than 363 in 2013 and 344 in 2014.

- To have an overall reduction of 5% for all collisions in 2013. The three year average for all collisions from 2010-2012 was 2,634. The goal is to reduce this total to less than 2502 collisions in 2013 and 2371 in 2014.

- To reduce the total number of alcohol related collisions by 5% this year. Our three year average was 81 alcohol related collisions for the years of 2010 – 2012. Our goal is to have less than 77 in 2013 and 73 in 2014.

- To conduct at least four educational or prevention events by the end of each quarter.

Project Objectives, Methods of Procedure, Performance Measures: Project 1

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Progress in this enforcement effort will be monitored by statistical analysis conducted quarterly with the prior year's collision statistics during the same time period. Quarterly reports will be forwarded to the Arizona Governors Office of Highway Safety as required.

## Travel

**Description**

## Collision Reconstruction Training

## 1) Traffic Crash Reconstruction (2 weeks)

Class Registration: 4 officers @ \$950 \$3800

Per Diem: 4 officers @ \$396 per week\* \$3168

Travel (fuel) \$320

Lodging: 2 rooms @ \$150 per night (10 nights)\*/\*\*\* \$3000

Total \$10,288

## 2) Pedestrian / Bicycle Crash Investigation (1 week)

Class Registration: 2 officers @ \$795 \$1590

Per Diem: 2 officers @ \$396 per week \$792

Travel (fuel) \$80

Lodging: 2 rooms @ \$200 per night (5 nights)\*\*/\*\*\* \$2000

Total \$4462

## 3) Investigations of Motorcycle Collisions (1 week)

Class Registration: 2 officers @ \$795 \$1590

Per Diem: 2 officers @ \$396 per week \$792

Travel (fuel) \$80

Lodging: 2 rooms @ \$200 per night (5 nights)\*\*/\*\*\* \$2000

Total \$4462

## 4) Energy Methods and Damage Analysis (1 week)

Class Registration: 2 officers @ \$825 \$1650

Per Diem: 2 officers @ \$396 per week \$792

Travel (fuel) \$80

Lodging: 1 room @ \$150 per night (5 nights) \*\*\* \$750

Total \$3272

Additionally, it should be noted that as of the submission of this proposal, the 2014 calendar for IPTM courses has yet to be published. As the grant submission date is prior to the publication of the calendar, and the cost of technology items can change, items listed will be estimates only with costs of inflation factored in.

Travel

\* This is a two week course. Per Diem and Lodging are not provided on the weekend during the course.

\*\* Due to having a female officer on the collision reconstruction team, an additional room is needed for the duration of the course.

\*\*\* Due to the location of the classes offered, the cost of the hotel fluctuates based on the time of year.

**Travel In-State:**

Description	Transportation	Lodging	Per Diem	Misc	Amount
Traffic Crash Reconstruction (2 weeks)	\$320.00	\$3,000.00	\$3,168.00	\$3,800.00	\$10,288.00
Pedestrian / Bicycle Crash Investigation (1 week)	\$80.00	\$2,000.00	\$792.00	\$1,590.00	\$4,462.00
Investigations of Motorcycle Collisions (1 week)	\$80.00	\$2,000.00	\$792.00	\$1,590.00	\$4,462.00
Energy Methods and Damage Analysis (1 week)	\$80.00	\$750.00	\$792.00	\$1,650.00	\$3,272.00
					\$0
					\$0
<b>Total:</b>					<b>\$22,484</b>

**Travel Out-of-State:**

Description	Transportation	Lodging	Per Diem	Misc	Amount
					\$0
					\$0
					\$0
					\$0
					\$0
					\$0
<b>Total:</b>					<b>\$0</b>



## Total Estimated Cost

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<b>Budget Item</b>	<b>Amount</b>	
Personnel Services	\$0	
Employee Related Expenses	\$0	0%
Professional and Outside Services	\$0	
Travel In-State	\$22,484	
Travel Out-of-State	\$0	
Materials and Supplies	\$1,548	
Capital Outlay	\$0	
<b>Total Estimated Cost</b>	<b>\$24,032</b>	