

**Traffic Safety 2019
Agency Information Sheet**

TS-2019-WCSO-00160

Project Title: LIDAR UNITS / TINT METER

Amount of Request: \$10,000

Program Area:* (check only one)

Priority Areas

- Impaired Driving
- Seat Belts
- Pedestrian Safety
- Speed
- Motorcycle Safety

Other Areas

- Traffic Records (crash data)
- Emergency Medical Systems
- Distracted Driving
- 20 & Under Drivers
- Child Passenger Safety
- Planning & Administration (OTS)
- Program Management (OTS)
- Other

Applicant Agency Information

Physical Address

Agency: Washoe County Sheriff's Office
911 Parr Blvd
Reno , NV 89512-1000
Phone: 775-328-3010
Fax: 775-328-6308

Congressional District

2

Mailing Address

Street Address
911 parr blvd
PO Box
City reno State Nevada Zip Code 89512

Seatbelt Policy

http://egrants.nv.gov/_Upload/80844_870562-seatbeltpolicy.pdf

Cellphone Use Policy

http://egrants.nv.gov/_Upload/80844_870563-Cellphonepolicy.pdf

Non-Profit?* Yes No

If Yes, attach copy of 501(c)
Check here if the 501(c) will be mailed.

Does this agency (City/County/Municipality) receive \$750,000 or more of federal financial assistance in the current year?

Yes No

If yes, has an audit been conducted, or will there be an audit when the grant period ends?

Yes No

Please provide a link to the most recent audit

http://egrants.nv.gov/_Upload/80844_871455-2018FINALCAFR.pdf

Mailing Addresses:

**Traffic Safety 2019
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Nevada Department of Public Safety
Office of Traffic Safety
107 Jacobsen Way
Carson City, NV 89701

Nevada Department of Public Safety
Office of Traffic Safety
4615 W. Sunset Road
Las Vegas, NV 89118

Federal Tax ID#: 88-6000138
State Vendor #: T40283400R

DUNS Number: 609738455

Project Description*

The Washoe County Sheriff's Office would use these funds to purchase six target specific compact hand held LIDAR speed measure devices for the agencies motor unit. These would be used for high visibility enforcement on multi lane roadways. The additional funds would be used to purchase Tint Meters to be distributed to patrol deputies for use in enforcing Nevada's window tint law.

Contacts

It is the organizations responsibility to ensure this information is kept current and staff roles are assigned in e-Grants.

Authorizing Official ("approving authority" signature needed for all purchases, budgeting, and/or management directives)

Name:	Darin Balaam	Title:	Sheriff
Phone:	(775) 328-3010	Fax:	
E-Mail:	DBalaam@washoecounty.us		
Signature Authority:*	✓ Yes No		

Project Director (Grant manager for the project, the one who will do most of the work, hands-on)

Name:	David Bailey	Title:	Sergeant
Phone:	(775) 328-2895	Fax:	
E-Mail:	dbailey@washoecounty.us		
Signature Authority:*	✓ Yes No		

Fiscal Officer (Agency's accountant, fiscal officer, the one who "pays the bills")

Name:	Laura Daniels	Title:	Grants Coordinator
Phone:	(775) 328-3013	Fax:	
E-Mail:	ldaniels@washoecounty.us		
Signature Authority: *	✓ Yes No		

Primary Contact for this Project:* Authorizing Official ✓ Project Director Fiscal Officer

Problem Statement with Proposed Solution

(Briefly describe the problem and solution, including how the program will contribute toward reducing traffic fatalities, injuries & crashes in Nevada.)

In 2018 the Washoe County Sheriff's Office issued 2,755 speeding citations and issued an additional 2,722 warnings for speeding related offenses.

The data indicates a continual issue in Washoe County with speeding related offenses .

Law enforcement has observed an increase in illegally tinted front windows on vehicles since the cell phone law was passed. The window tint equipment violation is a primary offense in the state of Nevada . The purchase of window tint meters will allow Deputies to pull over and test window tint for legal percentages.

The equipment requested during this project will assist the motor unit while working high traffic flow areas in Washoe County, in which target specific LiDAR units will help clearly identify speeding drivers.

This equipment will help provide high visibility enforcement in our area by streamlining and accelerating our enforcement activities. Studies have shown that visible enforcement and increased ticket issuance does reduce poor driving behavior, thus reducing crashes, injuries, and fatalities. By having reliable, user friendly equipment, the deputies are able to continue their enforcement activities.

Describe the local data that supports the problem.

In 2018 NDOT (Nevada Department of Transportation) estimated the Annual vehicle miles traveled in Washoe County were in excess of 3.5 million, and the Reno convention and visitors authority indicated approximately 4.5 million people visited Reno / Sparks, Washoe County each year.

In 2016 the Washoe County Sheriff's Office issued approximately 3,058 speeding citations and issued an additional 3,300 warnings for speeding related offenses.

In 2017 the Washoe County Sheriff's Offices issued approximately 2,800 speeding citations and issued an additional 3,080 warnings for speeding related offenses.

In 2018 the Washoe County Sheriff's Office issued 2,755 speeding citations and issued an additional 2,722 warnings for speeding related offenses.

The Washoe County Sheriff's Office traffic unit handled an average of 75 citizen service complaints related to speeding from 2014 to 2016. In 2017 we saw a dramatic increase to 130 citizen service complaints and in 2018 to 149 service complaints related to speeding and traffic related issues .

The data indicates a continual issue in Washoe County with speeding related offenses .

Clearly define the cause(s) of the problem.

The Washoe County Sheriff's Office Traffic unit includes 6 motor Deputies that are tasked with traffic enforcement and accident reporting.

The increase in high volume multiple lane roadways within the Washoe County Sheriff's Office Jurisdiction , requires a need for target specific LIDAR units. The LiDAR units are more accurate in measuring a specific target vehicle's speed when there are multiple lanes and vehicles on multi lane roadways . One such roadway is the newly opened Veterans Parkway which has six travel lanes three in each direction . We have been inundated with speed complaints on Veterans Parkway since it opened in July of 2018. The Washoe County Sheriff's Office issued 127 speeding citations since Veterans Parkway opened in July of 2018.

The use of the LiDAR equipment will also be instrumental when participating in Joining Forces co-op events within the region on multiple lane roadways.

The data described above indicates a high traffic volume and continued problem with speed related issues in Washoe County.

The Washoe County Sheriff's Office only has a hand full of older tint meters issued to a few deputies .

The ability to issue ten more tint meters would increase the agency's ability to enforce the state's primary window tint violation.

Using the Highway Safety Countermeasures Guide link below, describe & reference the countermeasure(s) chosen to address the identified problem.

High Visibility enforcement and other enforcement methods will be directly affected by the purchase of this new equipment. The LiDAR units in particular will be utilized during high visibility enforcement efforts daily and as part of the Joining Forces Grant Events in conjunction with the state wide efforts to reduce accidents and increase traffic safety.

2.2.3 High Visibility Enforcement (Direct from HSCG)

High visibility enforcement campaigns have been used to deter speeding and aggressive driving Through both specific and general deterrence. In the high visibility enforcement model, law Enforcement targets selected high-crash or high-violation geographical areas using either Expanded regular patrols or designated aggressive driving patrols.

2.2.3 Other Enforcement Methods (Direct from HSCG)

Technology:

Laser / RADAR speed measuring equipment can provide more accurate and reliable evidence of Speeding.

1.1.1 Speed Laws

1.1.2 Aggressive Driving

The state of Nevada has effective laws for both basic speed rules and face value (posted limit) speed rules as

well as aggressive, reckless and careless driving. The use of the new equipment to conduct high visibility enforcement and data collection will allow the traffic unit to be highly effective in reducing speeding and aggressive driving.

4.4.1 Communications and Outreach Supporting Enforcement

The Sheriff's Office will utilize data from both high visibility enforcement to educate the public. The public information officer will utilize social media blasts and direct press releases to make notifications of the departments continued efforts towards traffic safety.

**Traffic Safety 2019
Project Goals**

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Project Goals

(what the agency plans to accomplish by implementing this project)

1. Define the goal of this project based on the problem ID

The Sheriff's Office goal will be to purchase new high quality and efficient hand held LiDAR units to be deployed to the motor unit. The motor unit would utilize the new units daily to conduct high visibility speed related traffic enforcement. The ten window tint meters would be immediately issued to patrol deputies on various shifts for use during high visibility traffic enforcement.

The overall goal of the project would be to deter and influence driver behavior, as an effort to reduce property, injury and fatal traffic accidents and speeding / traffic related issues in Washoe County.

Project Objective(s)

1. Describe measureable short term steps & timeline that represent the amount of improvement (i.e. to increase; to decrease from ____ to ____)

The immediate purchase of new LiDAR units to be issued to the Motor unit.

The LidDAR enforcement could see a potential 10 % increase in warnings and citations issued for speeding violations by the motor unit.

The window tint enforcement could see a 5 % increase in citations issued for window tint violations.

2. Describe how the project will become self sustainable

The Motor Deputies will be utilizing the improved equipment on a daily basis, the LiDAR units will be issued directly to the 6 member team. The preventative and routine maintenance will be done on a routine basis so the equipment will perform to its maximum potential for approximately 8 to 10 years.

The Sheriff's Office will be responsible for the cost of the routine and preventative maintenance .

The life expectancy of the equipment if well maintained is approximately 8 to 10 years.

Project Activities

(list proposed activities, including time frames.)

1. Describe the activities / functions that will achieve the desired outcome for each objective.

These apply to all goals and all objectives:

Within 60 days of receipt of funding - acquire BCC (Board of County Commissioner's) approval.

Month 3 to 4 we will process the purchasing of the LiDAR equipment.

Months 5-12 we will receive equipment, the Lidar units will be issued immediately upon arrival and the Motor unit will immediately begin using them in their daily patrol activities and for all Scheduled Joining Forces Speed Enforcement campaigns.

The ten window tint meters will be issued immediately upon arrival and used daily by the deputies they are issued to. Brazos data will be used to determine the increase in window tint violation citations issued.

The use of the LiDAR units and window tint meters during high visibility enforcement daily, will directly influence driver behavior and potentially reduce the number of property, injury, fatal accidents and speeding violations.

Project Evaluation

(how you will measure the success of this project)

1. Describe how each objective & activities will be measured

The amount of time deputies utilized the LIDAR equipment will be tracked monthly to determine use.

We will use the BRAZOS data to track the speed related warnings and citations issued by the motor unit after the receipt of the new equipment. That data will be measured against previous year's citations and warnings.

The tint meters will be issued to interested deputies and the Brazos Data will be collected to determine if the measurable increase in window tint citations.

**Traffic Safety 2019
Budget**

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Amount Requested: \$10,000

Category	Federal Funds	Match (20%)	Project Total
Personnel			\$0
Travel			\$0
Contract Services			\$0
Equipment	\$10,000	\$2,500	\$12,500
Other Direct Costs			\$0
Indirect Costs			\$0
Program Income			\$0
Total Expenses	\$10,000	\$2,500	\$12,500

Budget Narrative

(list only those items to be funded by federal funds)

The Washoe County Sheriff's office will purchase six high quality hand held compact Lidar units . The Motor unit is currently testing and evaluating two different units after obtaining quotes for similar units .

T + E quote 1: DragonEye Technology LLC.

Six US Compact LIDARs, soft carry case, Panasonic charger w/4 AA rechargeable batteries, operator manual / DVD, laminated quick e reference card with one year standard warranty.

Unit 6 X \$ 1,550.00 = \$ 9,300.00
Shipping \$ 51.00
Total \$ 9,351.00

T + E quote 2: Laser Incorporated Technology

Six TRUESPEED S LIDARs, soft carry case, instruction manual with a four year warranty.

Unit 6 X \$ 1,495.00 = \$ 8970.00
Shipping \$ 35.00
Total \$ 9,005.00

Window Tint Meters

Ten Enforcer II tint meters with cases.

Unit 10 X \$ 89.00 - \$ 29.05 discount = \$ 599.50
Shipping \$ 18.00
Total \$ 617.50

**Traffic Safety 2019
Budget**

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Match of 20 % on \$ 12,000.00 = \$2,500.00

The use of soft personell costs for the deputies working the high visibilty enforcement will be used to meet the required match.

The Deptuies regular salary rate of approximately \$37.14 an hour will be used.

\$ 37.14 x 70 hours = \$2,599.80

Traffic Safety 2019
Miscellaneous Attachments

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Attachment Description

LIDAR Quotes

TInt METER Quotes

Attachment

http://egrants.nv.gov/_Upload/80852_869771-LIDARQUOTES.pdf

http://egrants.nv.gov/_Upload/80852_869771_2-TINTMEETERQUOTES.pdf

**Traffic Safety 2019
Agreement**

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ACCEPTANCE OF CONDITIONS: It is understood and agreed by the undersigned that a grant received as a result of this agreement is subject to Public Law 112-141, Public Law 114-94, Highway Safety Act of 1966, and Nevada Revised Statutes, Chapter 223.200 and all administrative regulations governing grants established by the U.S. Department of Transportation and the State of Nevada. It is expressly agreed that this project constitutes an official part of the State's Highway Safety Plan and that said Applicant Agency will meet the requirements as set forth herein, including Schedules A, B, C, & C Supplemental which are incorporated herein and made a part of this agreement. The Applicant Agency **MAY NOT** proceed with this project, or any portion thereof, until funds are appropriated by the U.S. Congress and written authorization is received from the Office of Traffic Safety. It is also understood by the Applicant Agency that any funds expended prior to receipt of the written Authorization to Proceed **WILL NOT** be reimbursed.

Project Director

✓ I Agree I Do Not Agree

Agency Authorizing Official

✓ I Agree I Do Not Agree

If both PD and AAO indicated "I agree", please change the status to "Agreement Signature Submitted."

If further negotiations are needed, please change the status to "Program Managers Review."