

POLICE DEPARTMENT

COUNTY OF MAUI



ALAN M. ARAKAWA
MAYOR
M/M/11/11
OUR REFERENCE
YOUR REFERENCE

55 MAHALANI STREET
WAILUKU, HAWAII 96793
(808) 244-6400
FAX (808) 244-6411
November 16, 2017

TIVOLI S. FAAUMU
CHIEF OF POLICE

DEAN M. RICKARD
DEPUTY CHIEF OF POLICE

Ms. Lynn A.S. Araki-Regan
Budget Director, County of Maui
200 South High Street
Wailuku, Hawaii 96793

Honorable Alan M. Arakawa
Mayor, County of Maui
200 South High Street
Wailuku, Hawaii 96793

APPROVED FOR TRANSMITTAL
Alan Arakawa 11/22/17
Mayor Date

For transmittal to:

Honorable Mike White, Chair
and Members of the Maui County Council
200 South High Street
Wailuku, Hawaii 96793

Dear Chair White and Members:

SUBJECT: MPD DISTRACTED DRIVING ENFORCEMENT GRANT

In accordance with Ordinance No. 4456, Bill 65 (2017) Fiscal Year 2018 Budget, we are hereby transmitting to you a copy of the grant agreement with the State of Hawaii, Department of Transportation for the MPD Distracted Driving Enforcement grant for the period of October 1, 2017 to September 30, 2018 in the amount of \$68,248.84.

Thank you for your attention to this matter. If you have any questions, please feel free to contact our accountant, Lesley Ann Uemae, at ext. 6309.

Sincerely,

Tivoli S. Faauu
TIVOLI S. FAAUMU
Chief of Police

RECEIVED
2017 NOV 22 AM 10:37
OFFICE OF THE
COUNTY CLERK

COUNTY COMMUNICATION NO. 17-462

STATE OF HAWAII HIGHWAY SAFETY OFFICE

GRANT AGREEMENT

Grant No: PT18-01 (03-M-01)

Page 1 (To be completed by applicant agency)

1. Grant Title
MPD TRAFFIC SERVICES

2. Name and Address of Applicant Agency
MPD Traffic Section
55 Mahalani Street
Wailuku, HI 96793

4. Duration
Month - Day - Year

A. Grant Period
From: October 01, 2017
To: September 30, 2018

B. Project Period
From: October 01, 2017
To: September 30, 2018

3. Agency Unit to Handle Grant (Name and Address)
Maui Police Department
55 Mahalani Street
Wailuku, HI 96793

5. Location of Project
MPD Traffic Section
55 Mahalani Street
Wailuku, HI 96793
(808)244-6346

6a. Type of Application
(Check Appropriate Item)
 Initial Revision Continuation

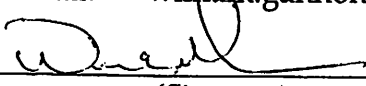
6b. Reimbursement Schedule Desired
 Monthly Quarterly

7. Grant Description (Summarize the grant plan covering activities that address the major goals and objectives in approximately 100 words. Limit to 6 lines.)
To provide ongoing training on current practices and new technology to traffic crash investigators for fatal and near-fatal investigations. It will be conducted through: Train investigators as crash data recorder technicians and analyst; re-certify officers as CDR train the trainers; attend training conferences (ARC-CSI); attend IPTM training courses; attending digital photography for traffic crash investigators, update and upgrade CDR tool kit. Purchase equipment used to collect crash data as well as equipment updates.

8. Federal funds allocated under this agreement shall not exceed **\$ 105,600.00**

9. Approval Signatures
Acceptance of Conditions: It is understood and agreed by the undersigned that a reimbursement grant received as a result of this grant agreement is subject to Public Law 89-564 (Highway Safety Act of 1966) and all administrative regulations governing grants established by the U.S. Department of Transportation and the State of Hawaii. It is expressly agreed that this project constitutes an official part of the Hawaii Highway Safety Program and that said applicant agency will meet the requirements as set forth herein, including accompanying schedules A, B, B-1, C & D, which are incorporated herein and made a part of this grant agreement. Authorization to proceed with this Highway Safety Project is requested.

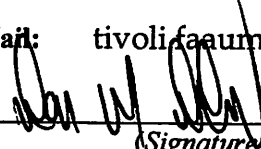
9a. Grant Director
Name: William E. Gannon **Phone:** (808)244-6346
Title: Lieutenant **Fax:** (808)244-6394
Address: 55 Mahalani Street
Wailuku, HI 96793
E-Mail: william.gannon@mpd.net



(Signature) 9/25/17

(Date)

9b. Authorizing Official of Agency Unit
Name: Tivoli S. Faaumu **Phone:** (808)244-6300
Title: Chief of Police **Fax:** (808)244-6411
Address: 55 Mahalani Street
Wailuku, HI 96793
E-Mail: tivoli.faaumu@mpd.net



(Signature) 9/25/17

(Date)

**STATE OF HAWAII HIGHWAY SAFETY OFFICE
GRANT AGREEMENT – PART II**

Grant No: PT18-01 (03-M-01)

Page 2 (To be completed by Highway Safety Office)

10. Grantee: Maui Police Department

11. Standard Area: Police Traffic Services

13a. Federal Fiscal Year: 2018

12. Effective Date of Agreement: Oct 1, 2017 - Sep 30, 2018

13b. Addendum: Yes No

14. Benefit of: State County

15. Action Taken

Grant agreement approved.

16. Funding Disposition & Status

| Fiscal Year | Amount |
|------------------------------|---------------------|
| 2013 _____ | 40,339.00 _____ |
| 2014 _____ | 49,740.00 _____ |
| 2015 _____ | 46,200.00 _____ |
| 2016 _____ | 90,012.00 _____ |
| 2017 _____ | 105,433.00 _____ |
| Total | \$331,724.00 |
| Present Obligation | \$105,433.00 |
| Previously Obligated | \$226,291.00 _____ |
| TOTAL FUNDS OBLIGATED | \$331,724.00 |

17. Budget Summary (From Schedule B – Detailed Budget Estimate) – Fiscal Year Grant Period Ending: Sep 30, 2018

| Cost Category | Cost Estimates |
|------------------------------------|----------------------|
| A. Personnel Costs | 0.00 |
| B. Travel Expenses | 66,433.00 |
| C. Contractual/Consultant Services | 25,500.00 |
| D. Equipment | 13,500.00 |
| E. Other Direct Costs | 0.00 |
| TOTAL FEDERAL FUNDS | \$ 105,433.00 |

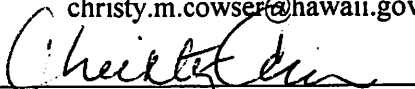
18. Grant Approval & Authorization to Expend Obligated Funds

**A. Approval Recommended By
(Program Area Specialist)**

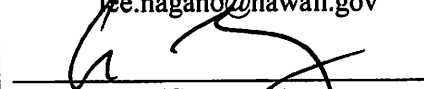
**B. Agreement & Funding Authorized By
(Highway Safety Manager)**

Name: Christy Cowser
Title: Highway Safety Specialist
Phone/E-Mail:(808)587-2360 /
christy.m.cowser@hawaii.gov

Name: Lee Nagano
Title: Highway Safety Manager
Phone/E-Mail:(808)587-6301 /
lee.nagano@hawaii.gov


(Signature)

10/19/17
(Date)


(Signature)

10/19/17
(Date)

STATE OF HAWAII HIGHWAY SAFETY OFFICE

GRANT AGREEMENT – PART III

Grant No: PT18-01 (03-M-01)

Page 3 (To be completed by Highway Safety Office)

19. Addendum (For Highway Safety Office Use Only)

EXHIBIT II

SCHEDULE A

Grant No: PT18-01 (03-M-01)

GRANT DESCRIPTION

PAGE # _____

PROBLEM STATEMENT

Identify the traffic safety related problem or deficiency that the proposed grant is intended to correct. Identify and gather appropriate data relevant to the problem. Collision/fatalities data appropriate to the identified problem and a brief analysis of the data is required. When available, three years of data should be presented and analyzed. When identifying the problem, take into consideration changes in population, traffic patterns and other demographic dynamics that may affect traffic safety.

As we continue into the 21st century, technology in the field of traffic crash investigations has made major advancements through the use of electronics and software to ensure speed and accuracy of crash reconstruction. Any department that does not keep up with these advances will surely be left behind which will be a disservice to their community. There is an ongoing need to receive new and updated training of accepted practices in the field of impaired driving and crash investigations. More automakers are joining in to release the information from the vehicle's crash data recorders. This data is used to corroborate the crash investigators reconstruction of a crash and the lack of retrieval of this data borders on indifference. We also continue to see drug impaired drivers as a cause for concern in fatal injury crashes on our roadways.

**Maui Summary of Traffic Facts
2011-2015**

Table I

| Year | Population | Licensed Drivers | Registered Vehicles | VMT (millions) | Traffic Fatalities | Fatalities Per 100,00 Population (all crashes) | Alcohol-Impaired Driving Fatalities (BAC .01+) | Alcohol Involved |
|------|------------|------------------|---------------------|----------------|--------------------|--|--|------------------|
| 2011 | 155,072 | 110,993 | 165,419 | 8,895 | 20 | 12.76 | 14 | 70% |
| 2012 | 156,854 | 110,666 | 181,307 | 8,921 | 23 | 14.51 | 10 | 43% |
| 2013 | 160,880 | 110,585 | 193,610 | 8,864 | 16 | 9.94 | 7 | 44% |
| 2014 | 163,108 | 111,664 | 182,467 | 8,130 | 21 | 12.85 | 8 | 38% |
| 2015 | 164,637 | 114,569 | 179,937 | 8,881 | 21 | 12.76 | 9 | 43% |
| 2016 | 165,388 | 118,852 | 181,852 | N/A | 21 | N/A | N/A | N/A |

Maui County summary for Drug Involved Fatal Crashes 2012-2016

Includes motorcycles and pedestrians

| | Fatal crashes | Drug involved | %Drug involved |
|-------|---------------|---------------|----------------|
| 2012 | 18 | 4 | 22.2% |
| 2013 | 16 | 6 | 37.5% |
| 2014 | 21 | 6 | 28.5% |
| 2015 | 21 | 9 | 42.87% |
| 2016 | 21 | 12 | 57.1% |
| TOTAL | 97 | 37 | 37.6% |

GRANT GOALS

Goals serve as the foundation upon which the grant is built. Goals are what you hope to accomplish by implementing a traffic safety grant and represent an end result. Grant goals should be stated in measurable terms (i.e., a percent reduction), be concise and deal with a specific item, be realistic with a reasonable probability of achievement, and be related to a specific time frame (a "by" date). Please notate baseline from which the reduction/increase will result.

The goals that the Maui Police Department would like to accomplish through this program are:

1. Train one investigator on the retrieval of crash data from the vehicle's crash data recorders (CDR's) by September 30, 2018;
2. Certify one traffic officer on the CDR Technician: Train the Trainer by September 30, 2018;
3. Send one officer to the CDR Analyst course by September 30, 2018;
4. Send two traffic investigators to the 2018 Accident Reconstruction Conference/Collision Safety Institute (ARC-CSI) conference by September 30, 2018;
5. Send two (2) officers-Institute of Police Technology and Management- (IPTM) Energy Methods and Damage Analysis in Traffic Crash Reconstruction training course by September 30, 2018;
6. Send two (2) Applied Physics for the Traffic Crash Investigator training course by September 30, 2018;
7. Update the crash data recorder (CDR) retrieval system: Purchase necessary software/proprietary equipment and hardware updates by September 30, 2018;
8. Update the crash investigator's diagramming tools to include the Leica ScanStation P40: Purchase software updates by September 30, 2018;
9. Send up to four (4) officers to various certified (IPTM) training classes on Oahu by September 30, 2018;

10. Send one (1) MPD technician to attend a Digital Photography course specifically for Traffic Crash Investigators by September 30, 2018;and
11. Certify up to twelve (12) Traffic officers with ACTAR (Accreditation Commission for Traffic Accident Reconstructionists) Accredited Leica ScanStation P40 training, with Software updates by September 30, 2018.

GRANT OBJECTIVES

Objectives are tasks or activities conducted in order to accomplish the grant goal(s) (e.g., develop permanent fitting stations for child restraints, enforcement activities, educational activities, etc.). Grant objectives should be stated in measurable terms (i.e., a percent reduction, number of training to be held, number of roadblocks, etc.), be concise and deal with a specific item, be realistic with a reasonable probability of achievement, and be related to a specific time frame (a "by" date).

The Maui Police Department will conduct the following activities to achieve the program goals:

1. Train one investigator on the retrieval of crash data from the vehicle's crash data recorders (CDR's) by September 30, 2018;
2. Certify one Traffic officer on the Crash Data Recorder (CDR) Technician; Train the Trainer course by September 30, 2018;
3. Send one Traffic officer to the CDR Analyst course by September 30, 2018;
4. Send two (2) Traffic officers to the Energy Methods and Damage Analysis in Traffic Crash Reconstruction training course by September 30, 2018;
5. Send two (2) Applied Physics for the Traffic Crash Investigator training course by September 30, 2018;
6. Send two (2) Traffic investigators to the 2016 ARC-CSI conference by September 30, 2018;
7. Send one (1) MPD technician to a Digital Photography for Law Enforcement class by September 30, 2018;
8. Update the crash data recorder (CDR) retrieval system, purchase software/proprietary equipment and hardware updates by September 30, 2018;
9. Update the crash investigator's diagramming tools, purchase current software updates for our new Leica ScanStation P40 program(s) by September 30, 2018;
10. Send up to four (4) officers to various certified IPTM training classes on Oahu by September 30, 2018;
11. Certify up to twelve (12) Traffic officers with (ACTAR Accredited) Leica ScanStation P40 training, with Software updates by September 30, 2018; and
12. Conduct one week of certified training on the MapScenes 360 software and EVR updates. This training will be to update the users of MapScenes software of new improvements and advanced features of the program for the Total Station and ScanStation capabilities.

METHOD OF EVALUATION

Using data gathered throughout the grant period, the grant manager will evaluate (1) how well the stated grant goals and objectives were accomplished, and (2) was the grant cost effective? How are you going to show effectiveness of your project? What will be the impact of the project on your identified problem and goal(s)? Provide details on the method of evaluation.

The progress of this program will be included in the quarterly reports to the Highway Safety Office containing the status of our goals and objectives.

Training in this field is always changing, by providing our officers with current and certified training will provide MPD with more accurate and efficient investigations.

Equipment and software updates will also provide MPD with ability to manage changing technology as they apply to our investigative tools.

The overall effectiveness will be determined at the end of the program as we will have met our objectives.

SCHEDULE B
Page 1
Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|--|-------------------|
| A. Personnel Costs | |
| <u>Employee Salaries and Benefits</u> | |
| Position Title(s) and Full-Time/Part-Time Yearly Salary: Fringe Benefit Rate: _____ % Time to be spent on project: _____ hours Position Title(s) and Overtime Hourly Rate(s): Fringe Benefit Rate: _____ % Time to be spent on project: _____ hours | |
| Category Sub-Total | \$0.00 |
| B. Travel Expenses | |
| <u>In-State</u> | |
| "Institute of Police Technology and Management-IPTM" | |
| Event/Conference: IPTM -At Scene Traffic Crash-HPD | |
| Date: TBD | |
| Air Travel: R/T for four (4) officers (\$375 ea.) | \$1,500.00 |
| To: Honolulu, HI | |
| From: Kahului, HI | |
| Surface Travel: | |
| Car Rental (daily rate, # of days, fuel, taxes, etc.) \$80.00 day | \$480.00 |
| Per Diem: | |
| 5.5 days @ \$90.00 per day x 4 officers | \$1,980.00 |
| excess per diem for lodging @ \$140.00 per day x 5 nites x 4 | \$2,800.00 |
| Parking Fee: 5 days @ \$25 per day | \$125 |
| Baggage fee: No charge for corporate accounts on HA | |
| Tuition, Course, Registration and Miscellaneous Fees: | |
| Individual cost: x No. of attendees: | |
| Sub-Total: | \$6,885.00 |

SCHEDULE B
Page 2
Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|--|--|
| Event/Conference: IPTM- At Scene Traffic Crash-HPD Date: TBD Air Travel: R/T for four (4) officers (\$375 ea.) To: Honolulu, HI From: Kahului, HI Parking Fee: 5 days @\$25 per day Surface Travel: Rent a car 1 car x 6 days. \$80 a day Per Diem: <u>5.5</u> days @ <u>\$90.00</u> per day x 4 officers excess per diem for lodging @ \$140.00 per day x 5 nites x 4 <b style="text-align: right;">Sub-Total: | \$1,500.00 \$125.00 \$480.00 \$1,980.00 \$2,800.00 \$6,885.00 |
| Event/Conference: IPTM-Applied Physics -HPD Date: TBD Air Travel: R/T for four (4) officers (\$375 ea.) To: Honolulu, HI From: Kahului, HI Parking Fee: 5 days @\$25 per day Surface Travel: Rent a car 1 car x 6 days. \$80 a day Per Diem: <u>5.5</u> days @ <u>\$90.00</u> per day x 4 officers excess per diem for lodging @ \$140.00 per day x 5 nites x 4 <b style="text-align: right;">Sub-Total: | \$1,500.00 \$125.00 \$480.00 \$1,980.00 \$2,800.00 \$6,885.00 |
| Event/Conference: IPTM-Advanced Traffic Crash -HPD Date: TBD Air Travel: R/T for two (2) officers x 4 trips (\$375 ea.) To: Honolulu, HI From: Kahului, HI Parking Fee: 10 days @ \$25 per day Surface Travel: Rent a car 1 car x 12 days. \$54 a day Per Diem: <u>11</u> days @ <u>\$90.00</u> per day x 2 officers excess per diem for lodging @ \$125.00 per day x 10 nites x 2 <b style="text-align: right;">Sub-Total: | \$1,500.00 \$250.00 \$648.00 \$1,980.00 \$2,500.00 \$6,878.00 |

SCHEDULE B

Page 3

Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|--|----------------|
| <p><u>Out-of-State</u> "Accident Reconstruction Conference/Collision Safety Institute" Event/Conference: ARC-CSI Crash Conference Date: TBD Air Travel: 2 person \$3,205.00 To: Clark County, NV From: Kahului, HI</p> <p>Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.) Private Car: (_____ miles @ _____ per mile) Per Diem: 5.5 days @ \$145.00 per day x 2 officers \$1,595.00 est. excess per diem for lodging \$100.00 per nite x 5 x 2 \$1,000.00</p> <p>Baggage Fee: \$50.00 for first bag each way per person x 2 officers \$200.00</p> <p>Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$1000 (early reg.) x No. of attendees: 2 \$2,000.00 Sub-Total: \$8,000.00</p> | |
| <p>Event/Conference: CDR Technician: Train the Trainer / CDR Technician Level II / CDR User's Summit Dates: TBD Air Travel: R/T for 1 officers \$1,557.00 To: TBD From: Kahului, HI</p> <p>Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.) Private Car: (_____ miles @ _____ per mile)</p> <p>Per Diem: 6.5 days @ \$145 per day \$943.00 est. excess per diem for lodging \$100 x 5 \$500.00</p> <p>Baggage Fee: \$50.00 for first bag each way per person \$100.00</p> <p>Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$1,699 (early reg.) x 1 attendee: \$2,000.00 (CDR - Technician: Train the Trainer \$550; CDR Technican Level II \$550; CDR User's Summit \$599) Sub-Total: \$5,100.00</p> | |

SCHEDULE B

Page 4

**Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)**

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|--|----------------------|
| Event/Conference: CDR Technician & Analyst Course Dates: TBD Air Travel: for 1 To: TBD From: Kahului, HI | \$1,782.50 |
| Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.) Private Car: (_____ miles @ _____ per mile) | |
| Per Diem: 6.5 days @ \$145.00 per day est. excess per diem for lodging \$100.00 x 5 nights | \$942.50 \$500.00 |
| Baggage Fee: \$50.00 for first bag each way per person | \$100.00 |
| Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$675 x No. of attendees: 1 | \$675.00 |
| Sub-Total: | \$4,000.00 |
| Event/Conference: Digital Photography for Traffic Crash's Dates: TBD Air Travel: R/T for one (1) To: TBD From: Kahului, HI | \$1,612.50 |
| Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.) Private Car: (_____ miles @ _____ per mile) | |
| Per Diem: 6.5 days @ \$145 per day est. excess per diem for lodging \$125 x 6 nights | \$942.50 \$750.00 |
| Baggage Fee: \$50.00 for first bag each way per person | \$100.00 |
| Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$795 x 1 attendee | \$795.00 |
| Sub-Total | \$4,200.00 |
| Event/Conference: IPTM- Energy Methods and Damage Analysis in Traffic Reconstruction Dates: TBD Air Travel: R/T for two (2) To: TBD From: Kahului, HI | \$3,626.00 |

SCHEDULE B

Page 5

Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|--|--------------------------|
| Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.) Private Car: (_____ miles @ _____ per mile) | |
| Per Diem: 6.5 days @ \$145 per day est. excess per diem for lodging \$125 x 6 nights | \$1,884.00 \$1,500.00 |
| Baggage Fee: \$50.00 for first bag each way per person | \$200.00 |
| Tuition, Course, Registration and Miscellaneous Fees: Individual cost: <u>\$795</u> x 2 attendee | \$1,590.00 |
| Sub-Total | \$8,800.00 |

SCHEDULE B
Page 6
Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|---|--------------------|
| Event/Conference: IPTM- Applied Physics for the Traffic Investigator | |
| Dates: TBD | |
| Air Travel: R/T for two (2) | \$3,626.00 |
| To: TBD | |
| From: Kahului, HI | |
| Surface Travel: | |
| Car Rental (daily rate, # of days, fuel, taxes, etc.) | |
| Private Car: (_____ miles @ _____ per mile) | |
| Per Diem: | |
| 6.5 days @ \$145 per day | \$1,884.00 |
| est. excess per diem for lodging \$125 x 6 nights | \$1,500.00 |
| Baggage Fee: | |
| \$50.00 for first bag each way per person | \$200.00 |
| Tuition, Course, Registration and Miscellaneous Fees: | |
| Individual cost: \$795 x 2 attendee | \$1,590.00 |
| Sub-Total | \$8,800.00 |
| Category Sub-Total | \$66,433.00 |
| C. Contractual/Consultant Services | |
| Certified ACTAR Leica/360 IMS Point Cloud Training | \$8,900.00 |
| Certified ACTAR Leica ScanStation training w/software | |
| Instructor airfare and associated fees conducted on Maui. | \$16,600 |
| Category Sub-Total | \$25,500.00 |
| D. Equipment | |
| MapScenes software updates (Leica) | \$2,000.00 |
| ScanStation software update (Leica) | \$6,500.00 |
| Crash Data Recorder hardware updates | \$5,000.00 |
| Category Sub-Total | \$13,500.00 |
| E. Other Direct Costs | |
| Category Sub-Total | \$0.00 |

SCHEDULE B

Page 7

**Detailed Budget Estimate
Grant No: PT18-01 (03-M-01)**

Exhibit III

| COST CATEGORY | COST ESTIMATES |
|----------------------|-----------------------|
| GRANT TOTAL | \$105,433.00 |

BUDGET NARRATIVE

PAGE # _____

Personnel Costs

None.

Travel Expenses

Travel expenses will be used to send personnel to attend: At Scene & Advanced Traffic Crash Investigation (Applied Physics for the Traffic Crash Investigator (Oahu); ARC-CSI Crash Conference (Nevada); CDR Technician: Train the Trainer / CDR Technician Level II / CDR User's Summit (Houston, TX); CDR Technician & Analyst Course (TBD); and Digital Photography for Crash Investigators (TBD).

Program funds will pay for travel; registration; per diem; excess per diem for lodging; ground transportation; baggage fees; and airport and hotel parking. Since the courses on Oahu are being held at a facility away from the airport, hotel and rental vehicle will be needed for the duration of the training. SHOPO contract allows for excess per diem for lodging for any amount over \$50 per day for intra-state travel, \$85 per day for out-of-state travel. Ground transportation is for shuttle/taxi to/from airport/host hotel.

Contractual/Consultant Services

Collision Forensic Solutions-ACTAR certified MapScenes 360 training: 40 hours with free software updates.
Collision Forensic Solutions-ACTAR certified ScanStation training; hours includes travel to Maui.

Equipment

Purchase Mapscenes software updates (Leica 360)

Purchase ScanStaton software update (Leica 3D)

Purchase CDR hardware updated components

Other direct costs

None.

EXHIBIT IV

SCHEDULE C

MILESTONES

PAGE #

| | |
|--|--|
| | |
|--|--|

SCHEDULE D

SCHEDULE D

AGREEMENT OF UNDERSTANDING & COMPLIANCE

Grant No: _____

THIS AGREEMENT made and entered into by and between the STATE OF HAWAII by and through its Director of Transportation, hereinafter referred to as "State," and the Governmental Unit named in this application, hereinafter referred to as "Applicant."

WHEREAS, the National Highway Safety Act of 1966 (Public Law 89-564) provides Federal funds to the STATE for approved highway safety projects, and

WHEREAS, STATE may make said funds available to various state, county or municipal agencies or governments or political subdivisions upon application and approval by STATE and the UNITED STATES DEPARTMENT OF TRANSPORTATION, and

WHEREAS, STATE is obligated to reimburse the UNITED STATES DEPARTMENT OF TRANSPORTATION out of its funds for any ineligible or unauthorized expenditures for which Federal funds have been claimed and payment received, and

WHEREAS, the above name APPLICANT has submitted an application for Federal funds for highway safety projects.

NOW, THEREFORE, IN CONSIDERATION OF MUTUAL PROMISES AND OTHER GOOD AND VALUABLE CONSIDERATION, THE PARTIES AGREE AS FOLLOWS:

REIMBURSEMENT OF ELIGIBLE EXPENDITURES

It is mutually agreed and promised that upon written application by APPLICANT and approval by STATE and the UNITED STATES DEPARTMENT OF TRANSPORTATION, STATE shall obligate said Federal funds to APPLICANT'S account for reimbursement of eligible expenditures as set forth in the application.

It is mutually agreed and promised that APPLICANT shall reimburse STATE for any ineligible or unauthorized expenditures for which Federal funds have been claimed and payment received as determined by a State or Federal audit. Costs are not allowable for construction, rehabilitation, remodeling, or for office furnishings and fixtures - for State, local or private buildings or structures. The following are examples of items considered as furnishings or fixtures, for which reimbursement is not eligible:

| | | |
|------------|-----------------|-----------------------|
| Desks | Credenzas | Storage Cabinets |
| Chairs | Bookcases | Portable Partitions |
| Tables | Filing Cabinets | Pictures, Wall Clocks |
| Shelving | Floor Coverings | Draperies |
| Coat Racks | Office Planters | Fixed Lighting/Lamps |

It is further agreed and promised that where reimbursement is made to APPLICANT in installments, STATE shall have the right to withhold any installments to make up reimbursement received for any ineligible or unauthorized expenditures until such time as the ineligible claim is made up or corrected by APPLICANT.

PROPERTY AGREEMENT

It is mutually agreed and promised that the APPLICANT shall immediately notify the STATE if any equipment purchased under this project ceases to be used in the manner as set forth by the project agreement. In such event, APPLICANT further agrees to either give credit to the project cost or to another active Highway Safety project for the residual value of such equipment in an amount to be determined by the STATE, or to transfer or otherwise dispose of such equipment as directed by STATE.

It is mutually agreed and promised by the APPLICANT that no purchased equipment under this project will be conveyed, sold, salvaged, transferred, etc. without the express written approval of the STATE.

It is mutually agreed and promised that the APPLICANT shall maintain or cause to be maintained for its useful life, any equipment purchased under this project.

EQUAL OPPORTUNITY

It is mutually agreed and promised that pursuant to the requirements of Section 22 (a) of the Federal-Aid Highway Act of 1968, Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794), and the Age Discrimination Act of 1975, the APPLICANT, as a condition to receiving approval of this application submitted under the Highway Safety Act of 1966, hereby gives its assurance that employment in connection with the subject Highway Safety Program project will be provided without regard to race, color, creed, sex, handicap, age, or national origin. The APPLICANT further agrees that, as a condition to receiving approval of this application, it will be subject to, and will comply with, Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 (hereinafter referred to as the Act), and all applicable requirements pursuant to the Regulations of the Department of Commerce (Title 15, Code of Federal Regulations, Part 8, which have been adopted by the Department of Transportation, and hereinafter referred to as the Regulations), to the end that, in accordance with the Act and the Regulations, no person in the United States shall on the ground of race, color, creed, sex, handicap, age, or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under the subject Highway Safety Program or project.

It is mutually agreed and promised that if the APPLICANT fails or refuses to comply with its undertaking as set forth in these provisions, the STATE of the UNITED STATES DEPARTMENT OF TRANSPORTATION may take any or all of these following actions.

- (1) Cancel, terminate, or suspend in whole or in part the agreement, contract, or other arrangement with respect to which the failure or refusal occurred; and

(2) Refrain from extending any further Federal financial assistance to the applicant agency under the program with respect to which the failure or refusal occurred until satisfactory assurance of future compliance has been received from the applicant agency.

NON-DUPLICATION OF GRANT FUND EXPENDITURES

It is mutually agreed and promised that the APPLICANT has no ongoing or completed projects under agreement with any other Federal fund source which duplicate or overlap any work contemplated or described in this project.

It is mutually agreed and promised that the APPLICANT will either revise this project or revise any pending or proposed request for other Federal grant funds which would duplicate or overlap work under this project to exclude any such duplication of grant fund expenditures.

It is further mutually agreed and understood that the APPLICANT shall reimburse the STATE OF HAWAII for any such duplicate expenditures for which Federal grant funds have been claimed and payment received as determined by State or Federal audit.

PROJECT INCOME AND APPLICABLE CREDITS

It is mutually agreed and understood that the APPLICANT shall apply all proceeds or credits generated under the project, such as but not restricted to: The sale of real or personal property royalties received from copyrights and patents, sale of publications or from personal or incidental services, to the project in accordance with OMB Circular A-87 (FMC 74-7) or A-21, as applicable and NHTSA/FHWA Order 460-4/7510.1.

COPYRIGHTS AND PATENTS

It is mutually agreed that any copyrightable materials produced in the course of a project may be the property of the State or applicant agency; however, provisions should be made to obtain for the United States Government, the State Governments and their political subdivisions a royalty-free nonexclusive, and irrevocable license to use in any manner such copyrightable material.

It is mutually agreed that the ownership of all rights accruing from any patentable discoveries or inventions resulting from a project should be covered in the agreement. An irrevocable, nonexclusive, nontransferable, and royalty-free license to practice each discovery or invention in the manufacture, use and disposition, according to law, of any article or material, and in the use of any method developed as part of the work under the agreement should be obtained for the United States Government, the State Governments and their political subdivisions.

MINORITY BUSINESS ENTERPRISE REQUIREMENTS

It is the policy of the Department of Transportation that minority business enterprises, as defined in 49 CFR Part 23, shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the MBE requirements of 49 CFR Part 23 apply to this agreement.

The recipient or its contractor agrees to ensure that minority business enterprises as defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that minority business enterprises have the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts.

REQUIREMENTS

It is mutually agreed and promised that the applicant shall follow the State and Federal requirements and guidelines set forth in the State of Hawaii Project Procedures Manual as amended. All project expenditure records are to be retained for at least three years after the date of the final expenditure report.

AUTHORIZATION TO PROCEED

It is mutually agreed between the STATE and the APPLICANT that this AGREEMENT OF UNDERSTANDING AND COMPLIANCE shall become effective upon the STATE'S agreement and authorization to proceed as set forth in PART II (2) of this application.

The following is taken from Appendix A to Part 1200 – Certification and Assurances for Highway Safety Grants (23 U.S.C. Chapter 4):

NONDISCRIMINATION

(applies to subrecipients as well as States)

The State highway safety agency will comply with all Federal statutes and implementing regulations relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (Pub. L. 88-352), which prohibits discrimination on the basis of race, color or national origin (and 49 CFR Part 21); (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. 1681-1683 and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and the Americans with Disabilities Act of 1990 (Pub. L. 101-336), as amended (42 U.S.C. 12101, *et seq.*), which prohibits discrimination on the basis of disabilities (and 49 CFR Part 27); (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age; (e) the Civil Rights Restoration Act of 1987 (Pub. L. 100-259), which requires Federal-aid recipients and all subrecipients to prevent discrimination and ensure nondiscrimination in all of their programs and activities; (f) the Drug Abuse Office and Treatment Act of 1972 (Pub. L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (g) the comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (Pub. L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (h) Sections 523 and 527 of the Public Health Service Act

of 1912, as amended (42 U.S.C. 290dd-3 and 290ee-3), relating to confidentiality of alcohol and drug abuse patient records; (i) Title VIII of the Civil Rights Act of 1968, as amended (42 U.S.C. 3601, *et seq.*), relating to nondiscrimination in the sale, rental or financing of housing; (j) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (k) the requirements of any other nondiscrimination statute(s) which may apply to the application.

THE DRUG-FREE WORKPLACE ACT OF 1988 (41 U.S.C. 8103)

The State will provide a drug-free workplace by:

- Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- Establishing a drug-free awareness program to inform employees about:
 - The dangers of drug abuse in the workplace.
 - The grantee's policy of maintaining a drug-free workplace.
 - Any available drug counseling, rehabilitation, and employee assistance programs.
 - The penalties that may be imposed upon employees for drug violations occurring in the workplace.
 - Making it a requirement that each employee engaged in the performance of the grant be given a copy of the statement required by paragraph (a).
- Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
 - Abide by the terms of the statement.
 - Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five days after such conviction.
- Notifying the agency within ten days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction.
- Taking one of the following actions, within 30 days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
 - Taking appropriate personnel action against such an employee, up to and including termination.
 - Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency.
- Making a good faith effort to continue to maintain a drug-free workplace through implementation of all of the paragraphs above.

BUY AMERICA ACT

(applies to subrecipients as well as States)

The State will comply with the provisions of the Buy America Act (49 U.S.C. 5323(j)), which contains the following requirements:

Only steel, iron and manufactured products produced in the United States may be purchased with Federal funds unless the Secretary of Transportation determines that such domestic purchases would be inconsistent with the public interest, that such materials are not reasonably available and of a satisfactory quality, or that inclusion of domestic materials will increase the cost of the overall project contract by more than 25 percent. Clear justification for the purchase of non-domestic items must be in the form of a waiver request submitted to and approved by the Secretary of Transportation.

POLITICAL ACTIVITY (HATCH ACT)
(applies to subrecipients as well as States)

The State will comply with provisions of the Hatch Act (5 U.S.C. 1501-1508) which limits the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

CERTIFICATION REGARDING FEDERAL LOBBYING
(applies to subrecipients as well as States)

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-award at all tiers (including subcontracts, subgrants, and contracts under grant, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

RESTRICTION ON STATE LOBBYING

(applies to subrecipients as well as States)

None of the funds under this program will be used for any activity specifically designed to urge or influence a State or local legislator to favor or oppose the adoption of any specific legislative proposal pending before any State or local legislative body. Such activities include both direct and indirect (e.g., "grassroots") lobbying activities, with one exception. This does not preclude a State official whose salary is supported with NHTSA funds from engaging in direct communications with State or local legislative officials, in accordance with customary State practice, even if such communications urge legislative officials to favor or oppose the adoption of a specific pending legislative proposal.

CERTIFICATION REGARDING DEBARMENT AND SUSPENSION

(applies to subrecipients as well as States)

Instructions for Primary Certification

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to which this proposal is submitted if at any time the prospective primary participant learns its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms *covered transaction*, *debarred*, *suspended*, *ineligible*, *lower tier covered transaction*, *participant*, *person*, *primary covered transaction*, *principal*, *proposal*, and *voluntarily excluded*, as used in this clause, have the meaning set out in the Definitions and coverage sections of 49 CFR Part 29. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.

6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48 CFR Part 9, subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the list of Parties Excluded from Federal Procurement and Non-procurement Programs.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, subpart 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters-Primary Covered Transactions

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of record, making false statements, or receiving stolen property;

- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

(2) Where the prospective primary participant is unable to certify to any of the Statements in this certification, such prospective participant shall attach an explanation to this proposal.

Instructions for Lower Tier Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms *covered transaction*, *debarred*, *suspended*, *ineligible*, *lower tier covered transaction*, *participant*, *person*, *primary covered transaction*, *principal*, *proposal*, and *voluntarily excluded*, as used in this clause, have the meanings set out in the Definition and Coverage sections of 49 CFR Part 29. You may contact the person to whom this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion—Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. (See below)
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48

CFR Part 9, subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the List of Parties Excluded from Federal Procurement and Non-procurement Programs.

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, subpart 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion—Lower Tier Covered Transactions:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

POLICY ON SEAT BELT USE

In accordance with Executive Order 13043, Increasing Seat Belt Use in the United States, dated April 16, 1997, the Grantee is encouraged to adopt and enforce on-the-job seat belt use policies and programs for its employees when operating company-owned, rented, or personally-owned vehicles. The National Highway Traffic Safety Administration (NHTSA) is responsible for providing leadership and guidance in support of this Presidential initiative. For information on how to implement such a program, or statistics on the potential benefits and cost-savings to your company or organization, please visit the Buckle Up America section on NHTSA's Web site at www.nhtsa.dot.gov. Additional resources are available from the Network of Employers for Traffic Safety (NETS), a public-private partnership headquartered in the Washington, DC metropolitan area, and dedicated to improving the traffic safety practices of employers and employees. NETS is prepared to provide technical assistance, a simple, user-friendly program kit, and an award for achieving the President's goal of 90 percent seat belt use. NETS can be contacted at 1 (888) 221-0045 or visit its Web site at www.trafficsafety.org.

POLICY ON BANNING TEXT MESSAGING WHILE DRIVING

In accordance with Executive Order 13513, Federal Leadership On Reducing Text Messaging While Driving, and DOT Order 3902.10, Text Messaging While Driving, States are encouraged to adopt and enforce workplace safety policies to decrease crashes caused by distracted driving, including policies to ban text messaging while driving company-owned or -rented vehicles, Government-owned, leased or rented vehicles, or privately-owned when on official Government business or when performing any work on or behalf of the Government. States are also encouraged to conduct workplace safety initiatives in a manner commensurate with the size of the business, such as establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving, and education, awareness, and other outreach to employees about the safety risks associated with texting while driving.