

**MICHAEL P. VICTORINO**  
MAYOR

OUR REFERENCE

YOUR REFERENCE

# POLICE DEPARTMENT COUNTY OF MAUI

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411  
October 16, 2021



2021 OCT 21 AM 11:52  
CHIEF OF POLICE

**DEAN M. RICKARD**  
DEPUTY CHIEF OF POLICE  
COUNTY CLERK

Ms. Michele Yoshimura *my*  
Budget Director, County of Maui  
200 South High Street  
Wailuku, Hawaii 96793

Honorable Michael P. Victorino  
Mayor, County of Maui  
200 South High Street  
Wailuku, Hawaii 96793

APPROVED FOR TRANSMITTAL

*Michael P. Victorino* 10/20/21  
Mayor Date

For transmittal to:

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

Dear Chair Lee and Members:

**SUBJECT: DEPARTMENT OF TRANSPORTATION HIGHWAY SAFETY GRANTS**

In accordance with Ordinance No. 5217, Bill 46 (2021) Draft 1 Fiscal Year 2022 Budget, we are hereby transmitting to you a copy of the grant agreement with the State of Hawaii, Department of Transportation for the MPD Traffic Services grant for the period of October 1, 2021 to September 30, 2022 in the amount of \$258,044.00.

Thank you for your attention to this matter. If you have any questions, please feel free to contact our office.

Sincerely,

DEAN M. RICKARD  
Acting Chief of Police

COUNTY COMMUNICATION NO. 21-495

**STATE OF HAWAII HIGHWAY SAFETY OFFICE**  
**GRANT AGREEMENT**  
**Grant No: PT22-M-03**


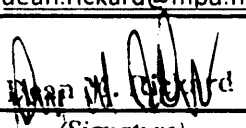
**Page 1 (To be completed by applicant agency)**

<b>1. Grant Title:</b> MAUI POLICE DEPARTMENT TRAFFIC SERVICES	
<b>2. Name and Address of Applicant Agency</b> LT William Hankins 55 Mahalani Street Wailuku, HI 96793 William.Hankins@mpd.net	<b>4. Duration</b> Month-Day-Year <b>A. Grant Period</b> From: 10/01/21 To: 09/30/22 <b>B. Project Period</b> From: 10/01/21 To: 09/30/22
<b>3. Agency Unit to Handle Grant (Name and Address)</b> Maui Police Department Traffic Section 55 Mahalani Street Wailuku, HI 96793	
<b>5. Location of Project</b> LT William Hankins 55 Mahalani Street Wailuku, HI 96793 William.Hankins@mpd.net	<b>6a. Type of Application</b> (check Appropriate Item) <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Revision <b>6b. Reimbursement Schedule Desired</b> <input type="checkbox"/> Monthly <input checked="" type="checkbox"/> 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; attend police motorcycle instructor training (new program), 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** **\$258,044.00**

**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, which are incorporated herein and made a part of this grant agreement. Authorization to proceed with this Highway Safety Project is requested.

<b>9a. Grant Director</b> Name: William Hankins Title: Lieutenant Address: 55 Mahalani Street Wailuku, HI 96793 Phone: 808-244-6346 Email: william.hankins@mpd.net <div style="text-align: center;">                       (Signature)                 </div> <div style="text-align: center;">                     9/13/21                      (Date)                 </div>	<b>9b. Authorizing Official of Agency Unit</b> Name: Dean Rickard Title: Acting Chief of Police Address: 55 Mahalani Street Wailuku, HI 96793. Phone: 808-244-6305 Email: dean.rickard@mpd.net <div style="text-align: center;">                       (Signature)                 </div> <div style="text-align: center;">                     9/13/21                      (Date)                 </div>
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**GRANT AGREEMENT - PART II**  
**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**  
**Grant No: PT22-M-03**

**10. Grantee:** LT William Hankins

**11. Standard Area:** Police Traffic Services

**13a. Federal Fiscal Year** 2022

**12. Effective Date of Agreement:** 10/1/2021

**13 b. Addendum:** ☐ Yes ☐ No

**14. Benefit of:** ☐ State ☒ County

**15. Action Taken**

Funding source: FAST 402 PT. Permission given to MPD to start enforcement activities on 10/1/2021 due to processing time for digital signatures. Grant application page with subgrantee wet signature on file.



**16. Funding Disposition & Status**

Fiscal Year	Amount
2018	\$ 105,433.00
2019	\$ 105,299.50
2020	\$ 190,324.39
2021	\$ 288,568.00
2022	\$ 258,044.00
Total	\$ 947,668.89
Present Obligation	\$ 258,044.00
Previously Obligated	\$ 689,624.89
<b>TOTAL FUNDS OBLIGATED</b>	<b>\$ 947,668.89</b>

**17. Budget Summary (from Schedule B - Detailed Budget Estimate)**

Cost Category	Original Cost	Current Cost Estimates
A. Personnel Costs	\$ -	
B. Travel Expense	\$ 51,644.00	
C. Contractual/Consultant Services	\$ 138,300.00	
D. Equipment	\$ 68,100.00	
E. Other Direct Costs	\$ -	
<b>TOTAL FEDERAL FUNDS</b>	<b>\$ 258,044.00</b>	<b>\$ -</b>

**18. Grant Approval & Authorization to Expend Obligated Funds**

A. Approval Recommended By (Program Area Specialist)	B. Agreement & Funding Authorized By (Highway Safety Manager)
<b>Name:</b> Christy Cowser <b>Title:</b> Highway Safety Specialist <b>Phone:</b> 808.587.2360 <b>Email:</b> <a href="mailto:christy.m.cowser@hawaii.gov">christy.m.cowser@hawaii.gov</a>  (Signature)	<b>Name:</b> Lee Nagano <b>Title:</b> MVSO Administrator <b>Phone:</b> 808.692.7650 <b>Email:</b> <a href="mailto:lee.nagano@hawaii.gov">lee.nagano@hawaii.gov</a>  (Signature)
Oct 11, 2021 (Date)	Oct 11, 2021 (Date)

**Certifications and Assurances**  
**for Fiscal Year 2021 Hawaii Highway Safety Grants**  
**(23 U.S.C. Chapter 4; Sec. 1906, Pub. L. 109-59, As Amended)**  
**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**PT22-M-03**

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:

**GENERAL REQUIREMENTS**

The APPLICANT will comply with applicable statutes and regulations, including but not limited to:

- 23 U.S.C. Chapter 4 – Highway Safety Act of 1966, as amended
- Sec. 1906, Pub. L. 109-59, as amended by Sec. 4011, Pub. L. 114-94
- 23 CFR part 1300 – Uniform Procedures for State Highway Safety Grant Programs
- 2 CFR part 200 – Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards
- 2 CFR part 1201 – Department of Transportation, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards

## **NONDISCRIMINATION**

The APPLICANT will comply with all Federal statutes and implementing regulations relating to nondiscrimination ("Federal Nondiscrimination Authorities"). These include but are not limited to:

- **Title VI of the Civil Rights Act of 1964** (42 U.S.C. 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin) and 49 CFR part 21;
- **The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970**, (42 U.S.C. 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- **Federal-Aid Highway Act of 1973**, (23 U.S.C. 324 et seq.), and **Title IX of the Education Amendments of 1972**, as amended (20 U.S.C. 1681-1683 and 1685-1686) (prohibit discrimination on the basis of sex);
- **Section 504 of the Rehabilitation Act of 1973**, (29 U.S.C. 794 et seq.), as amended, (prohibits discrimination on the basis of disability) and 49 CFR part 27;
- **The Age Discrimination Act of 1975**, as amended, (42 U.S.C. 6101 et seq.), (prohibits discrimination on the basis of age);
- **The Civil Rights Restoration Act of 1987**, (Pub. L. 100-209), (broadens scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal aid recipients, subrecipients and contractors, whether such programs or activities are Federally-funded or not);
- **Titles II and III of the Americans with Disabilities Act** (42 U.S.C. 12131-12189) (prohibits discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing) and 49 CFR parts 37 and 38;
- **Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations** (prevents discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations); and
- **Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency** (guards against Title VI national origin discrimination/discrimination because of limited English proficiency (LEP) by ensuring that funding recipients take reasonable steps to ensure that LEP persons have meaningful access to programs (70 FR 74087-74100).

The State highway safety agency—

- Will take all measures necessary to ensure that no person in the United States shall, on the grounds of race, color, national origin, disability, sex, age, limited English proficiency, or membership in any other class protected by Federal Nondiscrimination Authorities, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any of its programs or activities, so long as any portion of the program is Federally-assisted;
- Will administer the program in a manner that reasonably ensures that any of its subrecipients, contractors, subcontractors, and consultants receiving Federal financial assistance under this program will comply with all requirements of the Non-Discrimination Authorities identified in this Assurance;
- Agrees to comply (and require its subrecipients, contractors, subcontractors, and consultants to comply) with all applicable provisions of law or regulation governing US DOT's or NHTSA's access to records, accounts, documents, information, facilities, and staff, and to cooperate and comply with any program or compliance reviews, and/or complaint investigations conducted by US DOT or NHTSA under any Federal Nondiscrimination Authority;
- Acknowledges that the United States has a right to seek judicial enforcement with regard to any matter arising under these Non-Discrimination Authorities and this Assurance;
- Agrees to insert in all contracts and funding agreements with other State or private entities the following clause:  
“During the performance of this contract/funding agreement, the contractor/funding recipient agrees—
  - a.To comply with all Federal nondiscrimination laws and regulations, as may be amended from time to time;
  - b.Not to participate directly or indirectly in the discrimination prohibited by any Federal non-discrimination law or regulation, as set forth in appendix B of 49 CFR part 21 and herein;
  - c.To permit access to its books, records, accounts, other sources of information, and its facilities as required by the State highway safety office, US DOT or NHTSA;
  - d.That, in event a contractor/funding recipient fails to comply with any nondiscrimination provisions in this contract/funding agreement, the State highway safety agency will have the right to impose such contract/agreement sanctions as it or NHTSA determine are appropriate, including but not limited to withholding payments to the contractor/funding recipient under the contract/agreement until the contractor/funding recipient complies; and/or cancelling, terminating, or suspending a contract or funding agreement, in whole or in part; and
  - e.To insert this clause, including paragraphs (a) through (e), in every subcontract and subagreement and in every solicitation for a subcontract or sub-agreement, that receives Federal funds under this program.

**POLITICAL ACTIVITY (HATCH ACT)**

The APPLICANT 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**

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**

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**

### **Instructions for Lower Tier Participant Certification**

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below and agrees to comply with the requirements of 2 CFR parts 180 and 1200.

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 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*, *civil judgment*, *debarment*, *suspension*, *ineligible*, *participant*, *person*, *principal*, and *voluntarily excluded*, as used in this clause, are defined in 2 CFR parts 180 and 1200. 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 "Instructions for Lower Tier Participant Certification" including the "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 and will require lower tier participants to comply with 2 CFR parts 180 and 1200.

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 is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any prospective lower tier participants, each participant may, but is not required to, check the System for Award Management Exclusions website (<https://www.sam.gov/>).



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 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 participating in covered transactions 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.

**BUY AMERICA ACT**

The APPLICANT will comply with the Buy America requirement (23 U.S.C. 313) when purchasing items using Federal funds. Buy America requires a State, or Applicant, to purchase with Federal funds only steel, iron and manufactured products produced in the United States, unless the Secretary of Transportation determines that such domestically produced items 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. In order to use Federal funds to purchase foreign produced items, the State must submit a waiver request that provides an adequate basis and justification for approval by the Secretary of Transportation.

**PROHIBITION ON USING GRANT FUNDS TO CHECK FOR HELMET USAGE**

The APPLICANT will not use 23 U.S.C. Chapter 4 grant funds for programs to check helmet usage or to create checkpoints that specifically target motorcyclists.

**PROBLEM STATEMENT**

**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**Grant No: PT22-M-03**

Identify the traffic safety related problem or deficiency that the proposed grant is intended to correct.

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. Lastly, there is new technology related to obtaining information from vehicles Infotainment systems as well as cell phone data. We need to stay ahead of the curve and be able to obtain this information for court purposes. Training and Equipement is necessary to help assist in succesful prosecution of those found to be violating traffic laws, especially those involving alcohol-impairment, drugs-impairment, and speed while operating a vehicle and involved in serious or fatal motor vehicle crashes.

**SUPPORTING DATA****MAUI POLICE DEPARTMENT TRAFFIC SERVICES****Grant No: PT22-M-03**

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.

(Place graphs and charts here)

**Maui County summary of Traffic Facts 2016 ~ 2020 NHTSA**

YEAR	Population	Licensed Drivers	Registered Vehicles	VMT (Millions)	Traffic Fatalities	Fatalities per 100,000 Population (All Crashes)	Alcohol Impaired	Speed Involved
2016	165,388	118,852	181,852	N/A	21	12.7	7	8
2017	166,260	120,703	184,773	N/A	17	10.22	13	5
2018	167,207	121,448	186,286	N/A	18	10.76	8	5
2019	167,417	121,543	187,379	N/A	23	13.73	15	6
2020	167,862	121,224	188,251	N/A	11	6.55	6	5

**Maui County summary for Traffic Fatalities 2016 ~ 2020**

(Including motorcycles and pedestrians)

BAC = 0.080+

YEAR	Fatal Crashes	Alcohol Related	% Alcohol Related
2016	20	7	35%
2017	15	11	73.30%
2018	16	5	31.30%
2019	23	15	65.21%
2020	11	6	54.50%
TOTAL	85	44	51.76%

**Maui County summary for Drug Involved Fatal Crashes 2016 ~ 2020**

(Including motorcycles and pedestrians)

YEAR	Fatal Crashes	Drug Involved	% Drug Involved
2016	20	12	60%
2017	15	8	53.30%
2018	16	9	56.25%
2019	23	13	56.52%
2020	11	5	45.40%
TOTAL	85	47	55.29%

Identify and gather appropriate data relevant to the problem. Collision/fatalities data appropriate to the identified problem

**Maui County summary for Speed Involved Traffic Fatalities and Citation issued 2016 ~ 2020**

YEAR	Fatal/Near-Fatal Traffic Crashes	Fatalities	Speed Involved	% Speed Involved	SPEEDING CITATION (County and Grant Funded)
			Fatal/Near Fatal Crashes		
2016	27	23	11	40.70%	8,408
2017	18	18	7	38.90%	5,599
2018	28	18	11	39.3%	5,450
2019	24	23	7	29.16%	4,429
2020	19	11	5	26.31%	3,715
<b>TOTAL</b>	<b>116</b>	<b>93</b>	<b>41</b>	<b>35.34%</b>	<b>27,601</b>

## GRANT GOALS

### MAUI POLICE DEPARTMENT TRAFFIC SERVICES

**Grant No: PT22-M-03**

*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.*

GRANT GOALS - The Goal of the Maui Police Department is to ensure all crash investigators are currently trained and certified in the use of all mapping software, and crash investigation techniques. Furthermore, we would like to incorporate the use of modern mapping software (Pix4D, Map360) to enhance the scene mapping and decrease the road closure times. Due to Honolulu PD not hosting IPTM trainings in recent years, we would like to have the ability to send our investigators to IPTM directly for current training in crash investigation.

## GRANT OBJECTIVES

### MAUI POLICE DEPARTMENT TRAFFIC SERVICES

Grant No: PT22-M-03

*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). Please notate baseline from which the reduction/increase will result.*

GRANT OBJECTIVE - To achieve the goals, the Maui Police Department will do the following by September 30, 2022:

1. Train two (2) Traffic Investigators on the retrieval of crash data from the vehicle's crash data recorders (CDR's) by September 30, 2022;
2. Certify two (2) Traffic Investigator on the Crash Data Recorder (CDR) Technician; Train the Trainer course by September 30, 2022;
3. Send two (2) Traffic Investigators to the CDR Analyst course by September 30, 2022;
4. Send two (2) Traffic personnel to the 2022 Symposium on Traffic Safety conference by September 30, 2022;
5. Update the crash data recorder (CDR) retrieval system, purchase software/proprietary equipment and hardware updates by September 30, 2022;
6. Update the crash investigator's diagramming tools, purchase current software updates for ScanStation program(s) by September 30, 2022;
7. Send up to four (4) officers to various certified IPTM training classes on Oahu by September 30, 2022;
8. Host IPTM Event Data Recorder Use in Traffic Crash Reconstruction Level 2 at MPD Facility by September 30, 2022
9. Host IPTM Applied Physics for the Traffic Crash Investigator at MPD Facility by September 30, 2022
10. Conduct a four (4) day certified training on the mapping software by September 30, 2022, The Maui PD Traffic Division is moving toward drone mapping (county funded drones) to enhance the ability to quickly map crash scenes and decrease road closure time. The Pix4D software is the most prolific, user friendly software compatible with the images the drones will capture during a crash investigation. Pix4D is the preferred software of the industry for crash investigations;
11. Certify up to ten (10) Traffic Officers with (ACTAR Accredited) ScanStation training, with Software updates by September 30, 2022;
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;
13. Attend (Virtual) Paraben training (cell phone forensics) with authorization to purchase software license
14. Purchase online subscription software to analyze cell phone data records.
15. Purchase (Scanner GEOSYSTEMS)- Scanner GS18 T Tilt Rover & UHF Performance Smart Antenna, GS16 Base and CS20 LTE Field Controller. These three items work together in unison to mark evidence scenes via GPS and refines the locations down to the millimeter of accuracy. Stores and imports data into a CAD System (which traffic has) which is used for reconstruction of a scene.

## GRANT METHOD OF EVALUATION

### MAUI POLICE DEPARTMENT TRAFFIC SERVICES

Grant No: PT22-M-03

*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. For on-going projects that have been funded for more than one year, also provide data to show what the project has accomplished over the course of the years.*

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 are included in certified trainings and 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.

**PERSONNEL COSTS****Detailed Budget Estimate PAGE 1****MAUI POLICE DEPARTMENT TRAFFIC SERVICES****Grant No: PT22-M-03**

Position/Title(s) :

Position Status :

Hours

Cost

# of People

**Cost Estimate**☐ Part Time x  x 

\$0.00

☐ Full Time x  x 

\$0.00

☐ Overtime x  x 

\$0.00

Cost Subtotal: \$0.00

Number of events: Fringe Rate Percentage: 

Subtotal: \$0.00

Total Hours Spent on Project: -

Position/Title(s) :

Position Status :

Hours

Cost

# of People

**Cost Estimate**☐ Part Time x  x 

\$0.00

☐ Full Time x  x 

\$0.00

☐ Overtime x  x 

\$0.00

Cost Subtotal: \$0.00

Number of events: Fringe Rate Percentage: 

Subtotal: \$0.00

Total Hours Spent on Project: -

Position/Title(s) :

Position Status :

Hours

Cost

# of People

**Cost Estimate**☐ Part Time x  x 

\$0.00

☐ Full Time x  x 

\$0.00

☐ Overtime x  x 

\$0.00

Cost Subtotal: \$0.00

Number of events: Fringe Rate Percentage: 

Subtotal: \$0.00

Total Hours Spent on Project: -

**PERSONNEL CATEGORY SUBTOTAL Page 1:****\$0.00**



**PERSONNEL COSTS****Detailed Budget Estimate PAGE 2****MAUI POLICE DEPARTMENT TRAFFIC SERVICES****Grant No: PT22-M-03**

Position/Title(s) :

Position Status :

	Hours		Cost		# of People	<u>Cost Estimate</u>
<input type="checkbox"/> Part Time	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
<input type="checkbox"/> Full Time	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
<input type="checkbox"/> Overtime	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
Cost Subtotal:						\$0.00

Number of events: Fringe Rate Percentage: 

Subtotal: \$0.00

Total Hours Spent on Project: -

Position/Title(s) :

Position Status :

	Hours		Cost		# of People	<u>Cost Estimate</u>
<input type="checkbox"/> Part Time	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
<input type="checkbox"/> Full Time	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
<input type="checkbox"/> Overtime	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
Cost Subtotal:						\$0.00

Number of events: Fringe Rate Percentage: 

Subtotal: \$0.00

Total Hours Spent on Project: -

Position/Title(s) :

Position Status :

	Hours		Cost		# of People	<u>Cost Estimate</u>
<input type="checkbox"/> Part Time	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
<input type="checkbox"/> Full Time	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
<input type="checkbox"/> Overtime	<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	\$0.00
Cost Subtotal:						\$0.00

Number of events: Fringe Rate Percentage: 

Subtotal: \$0.00

Total Hours Spent on Project: -

**PERSONNEL CATEGORY SUBTOTAL Page 2: \$0.00****PERSONNEL CATEGORY GRAND TOTAL: \$0.00**

**IN-STATE TRAVEL**

**Budget Narrative**

**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**Grant No: PT22-M-03**

Travel Expenses - Travel expenses will be used to send personnel to attend: IPTM certified training held at Honolulu Police Department (Oahu), CDR Technician & Analyst Course (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 most 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 transportation to/from airport/host hotel and various training locations.

IN-STATE TRAVEL					
Detailed Budget Estimate					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
Name of Event #1:		IPTM- Pedestrian/Bicycle Level 1		DATE:	TBD
Event	Cost	Misc Fee	# of attendees	Line total	Subtotal
				\$0.00	\$0.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
Airfare	\$ 250.00		4	\$1,000.00	\$1,000.00
Baggage Fee				\$0.00	
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Subtotal</b>
Daily Rental	\$56.00	6	1	\$336.00	\$486.00
Airport parking				\$0.00	
Hotel parking	\$30.00	5	1	\$150.00	
Fuel				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
	\$20.00	1	2	\$40.00	\$40.00
<b>Excess Lodging</b>	<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
Event/Conference 1 Total					\$1,526.00
Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)					12
IN-STATE TRAVEL					
Detailed Budget Estimate					
Grant No: PT22-M-03					
Name of Event #2:		IPTM Motorcycle Crash Invest Level 1		DATE:	TBD
Event	Cost	Misc Fee	# of attendees	Line total	Subtotal
			4	\$0.00	\$0.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
Airfare	\$ 250.00		4	\$1,000.00	\$1,000.00
Baggage Fee				\$0.00	
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Subtotal</b>
Daily Rental cost	\$56.00	6	1	\$336.00	\$486.00
Airport parking				\$0.00	
Hotel parking	\$30.00	5	1	\$150.00	
Fuel				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
	\$90.00	5.5	4	\$1,980.00	\$1,980.00
<b>Excess Lodging</b>	<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>	<b>Subtotal</b>
	\$150.00	5	4	\$3,000.00	\$3,000.00
Event/Conference 2 Total					\$6,466.00
Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)					1

In-State SUBTOTAL: \$24,778.00

IN-STATE TRAVEL					
Detailed Budget Estimate PAGE 2					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
Name of Event #3		IPTM - Event Data Recorder Level II		DATE:	TBD
<b>Event</b>	<b>Cost</b>	<b>Misc Fee</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
			4	\$0.00	\$0.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>	
Airfare	\$ 250.00	4	\$1,000.00	\$1,000.00	
Baggage Fee			\$0.00		
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>		<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>		<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>
Daily Rental cost		\$56.00	6	1	\$336.00
Airport parking					\$0.00
Hotel parking		\$30.00	5	1	\$150.00
Fuel					\$0.00
					\$486.00
<b>Per Diem</b>		<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>
		\$90.00	5.5	4	\$1,980.00
					\$1,980.00
<b>Excess Lodging</b>		<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>
		\$150.00	5	4	\$3,000.00
					\$3,000.00
<b>Event/Conference 3 Total</b>					<b>\$6,466.00</b>
<b>Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)</b>					<b>1</b>

IN-STATE TRAVEL					
Detailed Budget Estimate					
Grant No: PT22-M-03					
Name of Event #4:		IPTM Crash Investigation		DATE:	TBD
<b>Event</b>	<b>Cost</b>	<b>Misc Fee</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>	
Airfare			\$0.00	\$0.00	
Baggage Fee			\$0.00		
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>		<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>		<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>
Daily Rental cost		\$56.00			\$0.00
Airport parking					\$0.00
Hotel parking		\$30.00			\$0.00
Fuel					\$0.00
					\$0.00
<b>Per Diem</b>		<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>
		\$90.00			\$0.00
					\$0.00
<b>Excess Lodging</b>		<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>
		\$150.00			\$0.00
					\$0.00
<b>Event/Conference 4 Total</b>					<b>\$0.00</b>
<b>Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)</b>					<b>1</b>

In-State SUBTOTAL: \$6,466.00  
**TOTAL IN-STATE TRAVEL: \$31,244.00**

**OUT OF STATE TRAVEL**

**BUDGET NARRATIVE**

**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**Grant No: PT22-M-03**

Travel Expenses - Travel expenses will be used to send personnel to attend: IPTM Symposium on Traffic Safety (Florida); CDR Technician & Analyst Course (TBD); CDR Technician: Train the Trainer / CDR Technician Level II / CDR User's Summit (Houston, TX); Program funds will pay for travel; registration; per diem; excess per diem for lodging; ground transportation; baggage fees; and airport and hotel parking. Since most 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 transportation to/from airport/host hotel and various training locations.

OUT-OF-STATE TRAVEL					
Detailed Budget Estimate					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
Name of Event #1:		IPTM Symposium on Traffic Safety		DATE: TBD	
<b>Event</b>	<b>Cost</b>	<b>Misc Fee</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
	\$900.00		2	\$1,800.00	\$1,800.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>	
Airfare	\$2,000.00	2	\$4,000.00	\$4,200.00	
Baggage Fee	\$100.00	2	\$200.00		
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>		<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:		\$50.00		\$0.00	\$0.00
From:		\$50.00		\$0.00	
<b>Car Rental:</b>		<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>
Daily Rental cost		\$90.00	6	1	\$540.00
Airport parking					\$0.00
Hotel parking		\$50.00	6	1	\$300.00
Fuel					\$0.00
					\$840.00
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
	\$145.00	6.5	2	\$1,885.00	\$1,885.00
<b>Excess Lodging</b>	<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>	<b>Subtotal</b>
	\$180.00	5	2	\$1,800.00	\$1,800.00
<b>Event/Conference 1 Total</b>					<b>\$10,525.00</b>
Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)					<b>1</b>
OUT-OF-STATE TRAVEL					
Detailed Budget Estimate					
Grant No: PT22-M-03					
Name of Event#2		2022 EDR Summit - Crash Data		DATE: TBD	
<b>Event</b>	<b>Cost</b>	<b>Misc Fee</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
	\$900.00		2	\$1,800.00	\$1,800.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>	
Airfare	\$2,000.00	2	\$4,000.00	\$4,200.00	
Baggage Fee	\$100.00	2	\$200.00		
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>		<b>Cost</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>		<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>
Daily Rental cost		\$90.00	6	1	\$540.00
Airport parking					\$0.00
Hotel parking		\$50.00	6	1	\$300.00
Fuel					\$0.00
					\$840.00
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
	\$145.00	5.5	2	\$1,595.00	\$1,595.00
<b>Excess Lodging</b>	<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>	<b>Subtotal</b>
	\$180.00	4	2	\$1,440.00	\$1,440.00
<b>Event/Conference 2 Total</b>					<b>\$9,875.00</b>
Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)					<b>1</b>
<b>Out-of-State SUBTOTAL:</b>					<b>\$20,400.00</b>

OUT-OF-STATE TRAVEL					
Detailed Budget Estimate PAGE 2					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
Name of Event #3:			DATE:		
<b>Event</b>	<b>Cost</b>	<b>Misc Fee</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
Airfare				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
<b>Excess Lodging</b>	<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
Event/Conference 3 Total					\$0.00
Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)					

OUT-OF-STATE TRAVEL					
Detailed Budget Estimate					
Grant No: PT22-M-03					
Name of Event#4:			DATE:		
<b>Event</b>	<b>Cost</b>	<b>Misc Fee</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
<b>Air Travel - Round Trip</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
Airfare				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of attendees</b>	<b>Line total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
<b>Excess Lodging</b>	<b>Rate</b>	<b># of nites</b>	<b># of attendees</b>	<b>Line Total</b>	<b>Subtotal</b>
				\$0.00	\$0.00
Event/Conference 4 Total					\$0.00
Number of Events (e.g., 4 for quarterly events/meetings, 12 for monthly)					

Out-of-State SUBTOTAL: \$0.00

**TOTAL OUT-OF-STATE TRAVEL: \$20,400.00**

**CONTRACTUAL/CONSULTANT SERVICES**

**BUDGET NARRATIVE**

**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**Grant No: PT22-M-03**

Contractual/Consultant Services - Collision Forensic Solutions - One (1) week ACTAR Certified Advanced IMS 360 2.2 Software and EVR updates with Robotic Total Station training. Instructor airfare and associated fees. Collision Forensic Solutions - One (1) week ACTAR certified P40 ScanStation training (10 students) and Certified IMS PointCloud Software training. Collision Forensic Solutions - Four (4) day Pix4D Mapper Pro Software and Software training. Instructor airfare and associated fees. Purchase Dirigo Software LLC to assist with crash investigations speed calculations to include momentum and reconstruction. Host Magnet Axiom- Forensic Cell Phone data analysis training (up to 8 people) on Maui during FFY 21. Purchase online subscription to Magnet Axiom software license to analyze cell phone data records.

\*

Host IPTM-

Traffic Crash Investigator courses listed below:

- Event Data Recorder Use in Traffic Crash Reconstruction Level 2 : \$38,000 for a maximum of 30 students
- Applied Physics for the Traffic Crash Investigator : \$38,000 for a maximum of 30 students

The fees are all-inclusive, covering such incidental expenses as instructor travel and printing and shipping of course materials.



CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #1:		ACTAR Advanced IMS 360		DATE:	TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee	\$12,000.00	1	1	\$12,000.00	\$12,000.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee	Collision Forensic Solutions				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 1 Subtotal \$ 12,000.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 2					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #2:		ACTAR P40 Scanstation Trng		DATE:	TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee	\$20,000.00	1	1	\$20,000.00	\$20,000.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee	Collision Forensic Solutions				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 2 Subtotal \$20,000.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 3					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #3: Pix 4D Mapper Pro Software Trng			DATE: TBD		
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee	\$ 18,000.00	1	1	\$18,000.00	\$18,000.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee	Collision Forensic Solutions				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 3 Subtotal \$18,000.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 4					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #4:		Paraben Cell phone		DATE:	TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee	\$5,300.00	1	1	\$5,300.00	\$5,300.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee	Paraben Corporation				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
	To:			\$0.00	\$0.00
	From:			\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 4 Subtotal \$5,300.00  
Contractual/Consulting Services TOTAL: \$138,300.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 5					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #:		IPTM EDR For Crash Inv		DATE:	TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee	\$38,000.00	1	1	\$38,000.00	\$38,000.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee	IPTM Event Data Recorder for Crash Investigations				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 5 Subtotal \$38,000.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 6					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #:		IPTM Applied Physics Course		DATE:	TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee	\$38,000.00	1	1	\$38,000.00	\$38,000.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee	IPTM Applied Physics Course				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
	To:			\$0.00	\$0.00
	From:			\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 6 Subtotal \$38,000.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 7					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #:		CFS - GS18T Training (ACTAR)		DATE:	TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
<b>Tuition/Fee</b>	\$7,000.00	1	1	\$7,000.00	\$7,000.00
<b>Class Material</b>				\$0.00	
<b>Misc Fee</b>				\$0.00	
<b>Contractual/Consultant Fee</b>	Collision Forensic Solutions (up to 8 students)				
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
<b>Round Trip</b>				\$0.00	\$0.00
<b>Baggage Fee</b>				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
<b>To:</b>				\$0.00	\$0.00
<b>From:</b>				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
<b>Daily Rental cost</b>				\$0.00	\$0.00
<b>Airport parking</b>				\$0.00	
<b>Hotel parking</b>				\$0.00	
<b>Fuel</b>				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 7 Subtotal \$7,000.00

CONTRACTUAL/CONSULTANT SERVICES					
Detailed Budget Estimate PAGE 8					
MAUI POLICE DEPARTMENT TRAFFIC SERVICES					
Grant No: PT22-M-03					
NAME OF SERVICE #:			DATE:		TBD
COST CATEGORY					
<b>Costs</b>	<b>Rate</b>	<b># of sessions or attendees</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Tuition/Fee				\$0.00	\$0.00
Class Material				\$0.00	
Misc Fee				\$0.00	
Contractual/Consultant Fee				\$0.00	
<b>Air Travel</b>	<b>Rate</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Round Trip				\$0.00	\$0.00
Baggage Fee				\$0.00	
<b>Per Diem</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00
<b>Surface Travel:</b>					
<b>Shuttle/Taxi</b>	<b>Cost</b>		<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
To:				\$0.00	\$0.00
From:				\$0.00	
<b>Car Rental:</b>	<b>Rate</b>	<b># of days</b>	<b># of cars</b>	<b>Line total</b>	<b>Cost Subtotal</b>
Daily Rental cost				\$0.00	\$0.00
Airport parking				\$0.00	
Hotel parking				\$0.00	
Fuel				\$0.00	
<b>Lodging</b>	<b>Rate</b>	<b># of days</b>	<b># of Instructors</b>	<b>Line total</b>	<b>Cost Subtotal</b>
				\$0.00	\$0.00

Category Page 8 Subtotal

\$0.00



**EQUIPMENT**

**Budget Narrative**

**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**Grant No: PT22-M-03**

Equipment - Purchase Scanner P40 Scanner software & maintenance subscriptions and support, Map 360 and Point Cloud CCP's. Purchase Bosch Crash Data Recorder hardware updates. Continue with ZETX software license (\$3600) and purchase Paraben Corporation software license used to access cellphone data for crash investigations (\$6,000) Purchase (Scanner GEOSYSTEMS)- GS18 T Tilt Rover & UHF Performance Smart Antenna, Scanner GS16 Base and CS20 LTE Field Controller. These three items work together in unison to mark evidence scenes via GPS and refines the locations down to the millimeter of accuracy. Stores and imports data into a CAD System (which traffic has) which is used for reconstruction of a scene. This equipment is to expedite the investigation of Near Fatal and Fatal Crash Scenes. This new technology takes less time to set up and less time to obtain evidence found within a crash scene, in turn we can open the roadway sooner for the public. The equipment seamlessly fits into our current workflow and is compatible with our CAD software we currently use.

**EQUIPMENT****Detailed Budget Estimate  
MAUI POLICE DEPARTMENT TRAFFIC SERVICES****Grant No: PT22-M-03**

<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
Scanner software & maintenance subscriptions and support, Map 360 and Point Cloud CCP's	\$17,500.00	1	\$17,500.00
<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
Bosch Crash Data Recorder hardware updates.	\$6,000.00	1	\$6,000.00
<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
Paraben Corporation online subscription to analyze cell phone data recovered investigators related to fatal/near fatal crash investigation	\$6,000.00	1	\$6,000.00
<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
ZETX online subscription to analyze cell phone records and data provided by cell phone providers in crash investigation	\$3,600.00	1	\$3,600.00
<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
Scanner GS18 T Tilt Rover & UHF PerformanceSmart Antenna, Scanner GS16 Base and CS20 LTE Field Controller (Misc Hardware)	\$35,000.00	1	\$35,000.00
<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
			\$0.00
<b>Item and Brief Description</b>	<b>Unit Cost</b>	<b># of units</b>	<b>Total Cost</b>
			\$0.00
<b>EQUIPMENT TOTAL</b>			<b>\$68,100.00</b>

OTHER DIRECT COSTS			
Detailed Budget Estimate			
MAUI POLICE DEPARTMENT TRAFFIC SERVICES			
Grant No: PT22-M-03			
Description	Unit Cost	# of units	Total Cost
		1	\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
CATEGORY TOTAL			\$0.00

MILESTONES	
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**MAUI POLICE DEPARTMENT TRAFFIC SERVICES**

**Grant No: PT22-M-03**

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