



MICHAEL P. VICTORINO  
MAYOR  
MMU  
OUR REFERENCE  
YOUR REFERENCE

# POLICE DEPARTMENT

## COUNTY OF MAUI

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411  
January 23, 2020



RECEIVED  
2020 JAN 24 PM 2:38  
TIVOLI S. FAAUMU  
CHIEF OF POLICE  
OFFICE OF THE MAYOR

DEAN M. RICKARD  
DEPUTY CHIEF OF POLICE

Ms. Michele Yoshimura  
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*  
Mayor  
1/27/20  
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. 4988, Bill 36 (2019) Draft 1 Fiscal Year 2020 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, 2019 to September 30, 2020 in the amount of \$190,324.39.

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. Faaumua*  
TIVOLI S. FAAUMU  
Chief of Police

COUNTY COMMUNICATION NO. 20-89

**STATE OF HAWAII HIGHWAY SAFETY OFFICE**

**GRANT AGREEMENT**

Grant No: PT20-01 (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, 2019  
To: September 30, 2020

**B. Project Period**

From: October 01, 2019  
To: September 30, 2020

**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; 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**

**\$190,324.39**

**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 Hankins **Phone:** (808) 244-6346  
**Title:** Lieutenant **Fax:** (808) 244-6394  
**Address:** Maui Police Department  
55 Mahalani Street  
Wailuku, HI 96793  
**E-Mail:** william.hankins@mpd.net

  
(Signature)

9/11/19  
(Date)

**9b. Authorizing Official of Agency Unit**

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

  
(Signature)

9/16/19  
(Date)

## STATE OF HAWAII HIGHWAY SAFETY OFFICE

## GRANT AGREEMENT - PART II

Grant No: PT20-01 (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 2020

12. Effective Date of Agreement: Oct 1, 2019 - Sep 30, 2020

13b. Addendum: ☐ Yes ☒ No14. Benefit of: ☐ State ☒ County

## 15. Action Taken

Grant agreement approved.

## 16. Funding Disposition &amp; Status

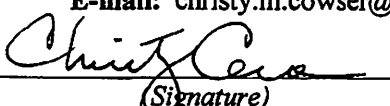
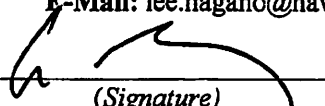
Fiscal Year	Amount
2016	\$46,200.00
2017	\$90,012.00
2018	\$105,433.00
2019	\$105,299.50
2020	\$190,324.39
Total	\$537,268.89

Present Obligation \$190,324.39  
 Previously Obligated \$346,944.50  
**TOTAL FUNDS \$537,268.89**  
**OBLIGATED**

## 17. Budget Summary (From Schedule B - Detailed Budget Estimate) - Fiscal Year Grant Period Ending: Sep 30, 2020

Cost Category	Cost Estimates
A. Personnel Costs	
B. Travel Expenses	\$122,105.50
C. Contractual/Consultant Services	\$46,791.76
D. Equipment	\$21,427.13
E. Other Direct Costs	
<b>TOTAL FEDERAL FUNDS</b>	<b>\$190,324.39</b>

## 18. Grant Approval &amp; 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: (808) 587-2360 E-mail: christy.m.cowser@hawaii.gov  (Signature)	Name: Lee Nagano Title: Highway Safety Manager Phone: (808) 587-6302 E-Mail: lee.nagano@hawaii.gov  (Signature)
9/25/19 (Date)	9/25/19 (Date)

**EXHIBIT II**

**SCHEDULE A**

# SCHEDULE A

# Exhibit II

Grant No: PT20-01 (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 County summary of Traffic Facts 2013 ~ 2017 NHTSA

YEAR	Population	Licensed Drivers	Registered Vehicles	VTM (Millions)	Traffic Fatalities	Fatalities per 100,000 Population (All Crashes)	Alcohol Impaired	Speed Involved
2013	160,880	110,585	193,610	8,864	16	9.94	7	5
2014	163,108	111,664	182,467	8,130	21	12.85	7	10
2015	164,637	114,569	179,937	8,881	21	12.77	12	10
2016	165,388	118,852	181,852	N/A	21	12.70	7	8
2017	166,260	N/A	N/A	N/A	17	10.22	13	5

### Maui County summary for Traffic Fatalities 2014 ~ 2018 (Including motorcycles and pedestrians) BAC = 0.080+

YEAR	Fatal Crashes	Alcohol Related	% Alcohol Related
2014	21	9	42.9%
2015	20	11	55%
2016	20	7	35%
2017	15	11	73.3%
2018	16	5	31.3%
TOTAL	92	43	46.7%

**Maui County summary for Drug Involved Fatal Crashes 2014 ~ 2018  
(Including motorcycles and pedestrians)**

<b>YEAR</b>	<b>Fatal Crashes</b>	<b>Drug Involved</b>	<b>% Drug Involved</b>
2014	21	6	28.6%
2015	20	9	45%
2016	20	12	60%
2017	15	8	53.3%
2018	16	8 (*3 Pend Tox)	*50%
<b>TOTAL</b>	<b>92</b>	<b>43</b>	<b>46.7%</b>

**Maui County summary for Speed Involved Traffic Fatalities and Citation issued 2014 ~ 2018**

<b>YEAR</b>	<b>Fatal/Near-Fatal Traffic Crashes</b>	<b>Fatalities</b>	<b>Speed Involved Fatal/Near Fatal Crashes</b>	<b>% Speed Involved</b>	<b>SPEEDING CITATION (County and Grant Funded)</b>
2014	27	21	9	33.3%	3,138
2015	27	23	8	29.6%	3,833
2016	27	23	11	40.7%	8,408
2017	18	18	7	38.9%	5,599
2018	28	18	11	39.3%	5,450
<b>TOTAL</b>	<b>127</b>	<b>103</b>	<b>46</b>	<b>36.2%</b>	<b>26,428</b>

**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 two (2) Traffic Investigators on the retrieval of crash data from the vehicle's crash data recorders (CDR's) by September 30, 2020;
2. Certify two (2) Traffic Investigator on the Crash Data Recorder (CDR) Technician; Train the Trainer course by September 30, 2020;
3. Send one (1) Traffic Investigators to the CDR Analyst course by September 30, 2020;
4. Send two (2) current Traffic Enforcement Police Motorcycle operators to attend a Police Motorcycle Instructor/Operator training course by September 30, 2020;
5. Send two (2) Traffic personnel to the 2020 Symposium on Traffic Safety conference by September 30, 2020;
6. Update the crash data recorder (CDR) retrieval system, purchase software/proprietary equipment and hardware updates by September 30, 2020;
7. Update the crash investigator's diagramming tools, purchase current software updates for our new Leica ScanStation P40 program(s) by September 30, 2020;
8. Send up to four (4) officers to various certified IPTM training classes on Oahu by September 30, 2020;
9. Send two (2) Traffic Investigators to the IPTM At-Scene Traffic Crash/Traffic Homicide Investigation training out-of-state by September 30, 2020;
10. Send two (2) Traffic Investigators to the IPTM Advanced Traffic Crash Investigation training out-of-state by September 30, 2020;
11. Send two (2) Traffic Investigators to the IPTM Traffic Crash Reconstruction training out-of-state by September 30, 2020;
12. Conduct a four (4) day certified training on the Pix4D Mapper Pro Software Training by September 30, 2020;
13. Certify up to ten (10) Traffic Officers with (ACTAR Accredited) Leica ScanStation P40 training, with Software updates by September 30, 2020; and
14. 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.

**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 two (2) Traffic Investigators on the retrieval of crash data from the vehicle's crash data recorders (CDR's) by September 30, 2020;
2. Certify two (2) Traffic Investigator on the Crash Data Recorder (CDR) Technician; Train the Trainer course by September 30, 2020;
3. Send one (1) Traffic Investigators to the CDR Analyst course by September 30, 2020;
4. Send two (2) current Traffic Enforcement Police Motorcycle operators to attend a Police Motorcycle Instructor/Operator training course by September 30, 2020;
5. Send two (2) Traffic personnel to the 2020 Symposium on Traffic Safety conference by September 30, 2020;
6. Update the crash data recorder (CDR) retrieval system, purchase software/proprietary equipment and hardware updates by September 30, 2020;
7. Update the crash investigator's diagramming tools, purchase current software updates for our new Leica ScanStation P40 program(s) by September 30, 2020;
8. Send up to four (4) officers to various certified IPTM training classes on Oahu by September 30, 2020;
9. Send two (2) Traffic Investigators to the IPTM At-Scene Traffic Crash/Traffic Homicide Investigation training out-of-state by September 30, 2020;
10. Send two (2) Traffic Investigators to the IPTM Advanced Traffic Crash Investigation training out-of-state by September 30, 2020;
11. Send two (2) Traffic Investigators to the IPTM Traffic Crash Reconstruction training out-of-state by September 30, 2020;
12. Conduct a four (4) day certified training on the Pix4D Mapper Pro Software Training by September 30, 2020;
13. Certify up to ten (10) Traffic Officers with (ACTAR Accredited) Leica ScanStation P40 training, with Software updates by September 30, 2020; and
14. 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****Exhibit III****Page 1****Detailed Budget Estimate  
Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>A. Personnel Costs</b>	
<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	
<b>Category Sub-Total</b>	<b>\$0.00</b>

**SCHEDULE B****Exhibit III****Page 2****Detailed Budget Estimate  
Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>B. Travel Expenses</b>	
<b><u>In-State</u></b>	
<b>Event/Conference: IPTM - HPD (TBD)</b>	
<b>Institute of Police Technology and Management-IPTM</b>	
<b>Date: TBD</b>	
<b>Number of Travelers: (4)</b>	
<b>Air Travel: [\$250.00 x (4) attendees]</b>	<b>\$1,000.00</b>
<b>To: Honolulu, HI.</b>	
<b>From: Kahului, HI.</b>	
<b>Surface Travel:</b>	
<b>Car Rental (daily rate, # of days, fuel, taxes, etc.) \$51.50 day</b>	<b>\$309.00</b>
<b>Per Diem:</b>	
<b>5.5 days @ \$90.00 per day x (4) attendees</b>	<b>\$1,980.00</b>
<b>Excess Lodging:</b>	
<b>5 nights @ \$150.00 per night x (4) attendees</b>	<b>\$3,000.00</b>
<b>Parking Fee: (\$25.00 per day)</b>	<b>\$125.00</b>
<b>Tuition, Course, Registration and Miscellaneous Fees:</b>	
<b>Individual cost: \$0.00 x No. of attendees: (4)</b>	
<b>Sub-Total:</b>	<b>\$6,414.00</b>

### Exhibit III

**Detailed Budget Estimate**  
**Grant No: PT20-01 (03-M-01)**

COST CATEGORY	COST ESTIMATES
<b>Event/Conference: TSI/NHTSA WORKSHOP</b> Communication Skills for the Highway Safety Professionals  Date: October 22, 2019 ~ October 23, 2019  Number of Travelers: (4)	
Air Travel: [\$365.50 x (4) attendees] To: Honolulu, HI. From: Kahului, HI.	\$1,462.00
Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.) \$100.00 day	\$200.00
Per Diem: 2 days @ \$90.00 per day x (4) attendees	\$720.00
Excess Lodging: 1 nights @ \$200.00 per night x (4) attendees	\$800.00
Parking Fee: (\$25.00 per day)	\$25.00
Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$0.00 x No. of attendees: (4)	
<div>Sub-Total:</div>	<div>\$3,207.00</div>

### Exhibit III

**Detailed Budget Estimate**  
**Grant No: PT20-01 (03-M-01)**

COST CATEGORY	COST ESTIMATES
<b>Event/Conference: TSI/NHTSA WORKSHOP</b>	
<b>Pedestrian and Bicycle Safety Program Management Workshop</b>	
<b>Date: October 24, 2019 ~ October 25, 2019</b>	
<b>Number of Travelers: (4)</b>	
<b>Air Travel: [\$365.50 x (4) attendees]</b>	<b>\$1,462.00</b>
To: Honolulu, HI.	
From: Kahului, HI.	
<b>Surface Travel:</b>	
Car Rental (daily rate, # of days, fuel, taxes, etc.) \$100.00 day	<b>\$200.00</b>
<b>Per Diem:</b>	
2 days @ \$90.00 per day x (4) attendees	<b>\$720.00</b>
<b>Excess Lodging:</b>	<b>\$800.00</b>
1 nights @ \$200.00 per night x (4) attendees	
<b>Parking Fee: (\$25.00 per day)</b>	<b>\$25.00</b>
<b>Tuition, Course, Registration and Miscellaneous Fees:</b>	
Individual cost: \$0.00 x No. of attendees: (4)	
<b>Sub-Total:</b>	<b>\$3,207.00</b>

**Detailed Budget Estimate**  
**Grant No: PT20-01 (03-M-01)**

COST CATEGORY	COST ESTIMATES
<b>Event/Conference:</b> IPTM - HPD (TBD)	
Institute of Police Technology and Management-IPTM	
Date: TBD	
Number of Travelers: (4)	
Air Travel: [\$250.00 x (4) attendees]	\$1,000.00
To: Honolulu, HI.	
From: Kahului, HI.	
Surface Travel:	
Car Rental (daily rate, # of days, fuel, taxes, etc.) \$51.50 day	\$309.00
Per Diem:	
5.5 days @ \$90.00 per day x (4) attendees	\$1,980.00
Excess Lodging:	\$3,000.00
5 nights @ \$150.00 per night x (4) attendees	
Parking Fee: (\$25.00 per day)	\$125.00
Tuition, Course, Registration and Miscellaneous Fees:	
Individual cost: \$0.00 x No. of attendees: (4)	
<b>Sub-Total:</b>	<b>\$6,414.00</b>

**SCHEDULE B**  
**Page 6**  
**Detailed Budget Estimate**  
**Grant No: PT20-01 (03-M-01)**

**Exhibit III**

COST CATEGORY	COST ESTIMATES
<p><b>Event/Conference: IPTM - HPD (TBD)</b>  <b>Institute of Police Technology and Management-IPTM</b></p> <p>Date: TBD</p> <p>Number of Travelers: (4)</p> <p>Air Travel: [\$250.00 x (4) attendees] <span style="float: right;">\$1,000.00</span>  To: Honolulu, HI.  From: Kahului, HI.</p> <p>Surface Travel:</p> <p>Car Rental (daily rate, # of days, fuel, taxes, etc.) \$51.50 day <span style="float: right;">\$309.00</span></p> <p>Per Diem:</p> <p>5.5 days @ \$90.00 per day x (4) attendees <span style="float: right;">\$1,980.00</span></p> <p>Excess Lodging: <span style="float: right;">\$3,000.00</span>  5 nights @ \$150.00 per night x (4) attendees</p> <p>Parking Fee: (\$25.00 per day) <span style="float: right;">\$125.00</span></p> <p>Tuition, Course, Registration and Miscellaneous Fees:  Individual cost: \$0.00 x No. of attendees: (4)</p> <p style="text-align: right;"><b>Sub-Total:</b></p>	<p style="text-align: right;"><b>\$6,414.00</b></p>

**SCHEDULE B****Exhibit III****Page 7****Detailed Budget Estimate  
Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b><u>Out-of-State</u></b>	
<b>Event/Conference: 2020 IPTM Symposium on Traffic Safety</b>	
<b>Date: TBD</b>	
<b>Number of Travelers: (2)</b>	
<b>Air Travel: [\$2,000.00 x (2) attendees]</b>	<b>\$4,000.00</b>
<b>To: Orlando, FL.</b>	
<b>From: Kahului, HI.</b>	
<b>Surface Travel:</b>	
<b>Car Rental (daily rate, # of days, fuel, taxes, etc.)</b>	<b>\$490.00</b>
<b>Per Diem:</b>	
<b>6.5 days @ \$145.00 per day x (2) attendees</b>	<b>\$1,885.00</b>
<b>Excess Lodging:</b>	
<b>5 nights @ \$180.00 per night x (2) attendees</b>	<b>\$1,800.00</b>
<b>Baggage Fee: \$50.00 each way x (2) attendees</b>	<b>\$200.00</b>
<b>Tuition, Course, Registration and Miscellaneous Fees:</b>	
<b>Individual cost: \$795.00 x No. of attendees: (2)</b>	<b>\$1,590.00</b>
<b>Sub-Total:</b>	<b>\$9,965.00</b>



**Detailed Budget Estimate**  
**Grant No: PT20-01 (03-M-01)**

COST CATEGORY	COST ESTIMATES
Event/Conference: 2020 EDR Summit - Crash Data Group CDR Technician Level I & II / Train-the-Trainer	
Date: TBD	
Number of Travelers: (2)	
Air Travel: [\$2,000.00 x (2) attendees] To: Houston, TX. From: Kahului, HI.	\$4,000.00
Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.)	\$420.00
Excess Lodging: 4 nights @ \$180.00 per night x (2) attendees	\$1,440.00
Per Diem: <u>5.5</u> days @ \$ <u>145</u> per day x (2) attendees	\$1,595.00
Baggage Fee: \$50.00 each way x (2) attendees	\$200.00
Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$699.00 x No. of attendees: (2)	\$1,398.00
Sub-Total:	\$9,053.00

**SCHEDULE B****Exhibit III****Page 9****Detailed Budget Estimate  
Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>Event/Conference: IPTM At-Scene Traffic Crash/Traffic Homicide</b>	
Date: TBD	
Number of Travelers: (2)	
Air Travel: [\$2,000 x (2) attendees] To: (TBD) From: Kahului, HI.	\$4,000.00
Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.)	\$1,050.00
Excess Lodging: 13 nights @ \$180.00 per night x (2) attendees	\$4,680.00
Per Diem: 14.5 days @ \$145.00 per day x (2) attendees	\$4,205.00
Baggage Fee: \$50.00 each way x (2) attendees	\$200.00
Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$1,095.00 x No. of attendees: (2)	\$2,190.00
Sub-Total:	\$16,325.00

**SCHEDULE B****Exhibit III****Page 10****Detailed Budget Estimate  
Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>Event/Conference: IPTM Advanced Traffic Crash Investigation</b>	
Date: TBD	
Number of Travelers: (2)	
Air Travel: [\$2,000 x (2) attendees] To: (TBD) From: Kahului, HI.	\$4,000.00
Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.)	\$1,050.00
Excess Lodging: 13 nights @ \$180.00 per night x (2) attendees	\$4,680.00
Per Diem: 14.5 days @ \$145.00 per day x (2) attendees	\$4,205.00
Baggage Fee: \$50.00 each way x (2) attendees	\$200.00
Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$1,095.00 x No. of attendees: (2)	\$2,190.00
Sub-Total:	\$16,325.00

**SCHEDULE B****Exhibit III****Page 11****Detailed Budget Estimate  
Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>Event/Conference: IPTM Traffic Crash Reconstruction</b>	
Date: TBD	
Number of Travelers: (2)	
Air Travel: [\$2,000 x (2) attendees] To: (TBD) From: Kahului, HI.	\$4,000.00
Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.)	\$1,050.00
Excess Lodging: 13 nights @ \$180.00 per night	\$4,680.00
Per Diem: 14.5 days @ \$145.00 per day x (2) attendees	\$4,205.00
Baggage Fee: \$50.00 each way x (2) attendees	\$200.00
Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$1,095.00 x No. of attendees: (2)	\$2,190.00
Sub-Total:	\$16,325.00

**SCHEDULE B**  
**Page 12**  
**Detailed Budget Estimate**  
**Grant No: PT20-01 (03-M-01)**

**Exhibit III**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>Event/Conference: CDR Technician &amp; Analyst Course</b>	
Date: TBD	
Number of Travelers: (1)	
Air Travel:	\$2,000.00
To: (TBD)	
From: Kahului, HI.	
Surface Travel:	
Car Rental (daily rate, # of days, fuel, taxes, etc.)	\$490.00
Excess Lodging:	
5 nights @ \$180.00 per night	\$900.00
Per Diem:	
6.5 days @ \$145.00 per day	\$942.50
Baggage Fee: [\$50 each way]	\$100.00
Tuition, Course, Registration and Miscellaneous Fees:	\$699.00
Individual cost: \$699.00_x No. of attendees: (1)	
Sub-Total:	\$5,131.50

**SCHEDULE B****Exhibit III****Page 13****Detailed Budget Estimate****Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>Event/Conference: Police Motorcycle Instructor/Operator Training [3-weeks]</b>	
Number of Travelers: (2)	
Air Travel: [\$2000 x (2) attendees] To: (TBD) From: Kahului, HI.	\$4,000.00
Surface Travel: Car Rental (daily rate, # of days, fuel, taxes, etc.)	\$1,610.00
Excess Lodging: 20 nights @ \$180.00 per night x (2) attendees	\$7,200.00
Per Diem: 22.5 days @ \$145.00 per day x (2) attendees	\$6,525.00
Baggage Fee: \$50 each way x (2) attendees	\$200.00
Tuition, Course, Registration and Miscellaneous Fees: Individual cost: \$1895.00 x No. of attendees: (2)	\$3,790.00
Sub-Total:	\$23,325.00
<b>Category Sub-Total</b>	<b>\$122,105.50</b>

**SCHEDULE B****Exhibit III****Page 14****Detailed Budget Estimate****Grant No: PT20-01 (03-M-01)**

<b>COST CATEGORY</b>	<b>COST ESTIMATES</b>
<b>C. Contractual/Consultant Services</b>	
One (1) week ACTAR Certified Advanced Leica IMS 360 2.2 Software and EVR updates with Robotic Total Station training	\$10,000.03
One (1) week ACTAR certified Leica P40 ScanStation training (10 students and Certified IMS PointCloud Software training.	\$19,791.73
Four (4) day Pix4D Mapper Pro Software and Software training. Instructor airfare and associated fees.	\$17,000.00
<b>Category Sub-Total</b>	<b>\$46,791.76</b>
<b>D. Equipment</b>	
Leica P40 Scanner software & maintenance subscriptions and support, Map 360 and Point Cloud CCP's.	\$16,427.13
Bosch Crash Data Recorder hardware updates.	\$5,000.00
<b>Category Sub-Total</b>	<b>\$21,427.13</b>
<b>E. Other Direct Costs</b>	
<b>Category Sub-Total</b>	<b>\$0.00</b>
<b>GRANT TOTAL</b>	<b>\$190,324.39</b>

**SCHEDULE B-1**  
**Grant No: PT20-02 (03-M-01)**

**Exhibit III**

**BUDGET NARRATIVE**

**PAGE #** \_\_\_\_\_

**Personnel Costs**

None.

**Travel Expenses**

Travel expenses will be used to send personnel to attend: IPTM certified training held at Honolulu Police Department (Oahu); 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); Police Motorcycle Instructor Training. Currently MPD only has (2) certified instructors. We would like to certify (2) two more instructors to build our Police motorcycle unit.

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 shuttle/taxi to/from airport/host hotel.

**Contractual/Consultant Services**

Collision Forensic Solutions - One (1) week ACTAR Certified Advanced Leica 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 Leica 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.

**Equipment**

Purchase Leica P40 Scanner software & maintenance subscriptions and support, Map 360 and Point Cloud CCP's.

Purchase Bosch Crash Data Recorder hardware updates.

**Other direct costs**

None.



**EXHIBIT IV**

**SCHEDULE C**

**SCHEDULE C****Exhibit IV****Grant No: PT20-01(03-M-01)**

<b>MILESTONES</b>		<b>PAGE #</b>
<b>Month</b>	<b>Activity</b>	
<b>October 2019</b>	<b>TSI/NHTSA WORKSHOPS</b>	
<b>November 2019</b>	<b>Purchase MapScenes 360 updates</b>	
<b>December 2019</b>	<b>1<sup>st</sup> quarter report</b>	
<b>January 2020</b>	<b>Crash Data Retrieval (CDR) hardware update</b>	
<b>February 2020</b>	<b>Police Motorcycle Instructor Training</b>	
<b>March 2020</b>	<b>2<sup>nd</sup> quarter report CDR Train the Trainer CDR Technician/Analyst course</b>	
<b>April 2020</b>	<b>Bosch CDR Update</b>	
<b>May 2020</b>	<b>IPTM At-Scene Traffic Crash/Homicide Investigation IPTM Advanced Traffic Crash Investigation IPTM Traffic Crash Reconstruction</b>	
<b>June 2020</b>	<b>3<sup>rd</sup> quarter report IPTM-Accident Training-Oahu Symposium on Traffic Safety</b>	
<b>July 2020</b>	<b>IPTM-Accident Training-Oahu</b>	
<b>August 2020</b>	<b>IPTM Accident Training-Oahu</b>	
<b>September 2020</b>	<b>4<sup>th</sup> quarter and Final report Leica Total Station Update/Training-Maui Pix4D Mapper Pro Software Training</b>	