

State of Michigan
MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
 Michigan Justice Training Competitive Grant Program
2021 GRANT APPLICATION

SECTION 1 - IDENTIFICATION

APPLICANT AGENCY Michigan State Police		SIGMA ID/ADDRESS CODE 38-600014
STREET ADDRESS/CITY/ZIP 7150 Harris Dr. Dimondale Michigan 48821		
TRAINING CONSORTIUM (if applicable) Michigan Technology & Investigations and Forensic Training Consortium		
PROJECT TITLE (Limit 45 characters) Building Forensic & Investigative Capacity in Technology		
START DATE January 1, 2021	END DATE December 31, 2021	GRANT FUNDS REQUESTED \$ 96,127.66


AUTHORIZED OFFICIAL (PERSON AUTHORIZED TO ENTER INTO AGREEMENTS)

As the Authorized Official, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE D/F/Lt. James Ellis		
STREET ADDRESS/CITY/ZIP 7150 Harris Dr. Dimondale Michigan 48821		
TELEPHONE (Direct) 734-735-4296	E-MAIL ADDRESS EllisJ3@michigan.gov	
SIGNATURE 	DATE May 12, 2020	

PROJECT ADMINISTRATOR (PERSON RESPONSIBLE FOR IMPLEMENTING AND REPORTING THE TRAINING)

As the Project Administrator, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Ms. Sherie Martens, Grant Coordinator		
STREET ADDRESS/CITY/ZIP 7150 Harris Dr. Dimondale Michigan 48821		
TELEPHONE (Direct) 517-599-8522	E-MAIL ADDRESS MartensS@michigan.gov	
SIGNATURE 	DATE May 13, 2020	

FINANCIAL OFFICER (PERSON RESPONSIBLE FOR GRANT ACCOUNTING)

As the Fiscal Officer, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Ms. Tara Semenchuk, Accountant		
STREET ADDRESS/CITY/ZIP 7150 Harris Dr. Dimondale Michigan 48821		
TELEPHONE (Direct) 517-284-3297	E-MAIL ADDRESS Semenchukt@michigan.gov	
SIGNATURE 	DATE 5/15/2020	

By authority of P.A. 302 of 1982, as amended. Submission of this application is required to participate in this program.
 Applications must be submitted to MCOLES via email to thelend15@michigan.gov no later than

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SECTION 2 - PROJECT NARRATIVE

A. PROBLEM IDENTIFICATION

Describe the problem or issue the training is expected to address. Connect the proposed training to the documented need. Explain why this proposal should be grant funded.

Refer to Page 18 of the Grant Manual

The Michigan State Police (MSP) recognizes the need for additional resources to help protect children from sexual predators as well as the general population of Michigan from cyber criminals perpetuating fraud and financial crimes. The state of Michigan currently has over 44,080 registered sex offenders and has identified well over 17,000 victims of child sexual exploitation since 1995.

From 2016 to 2019 calls for service increased 12% statewide, and during this timeframe the Intelligence Operations Division expanded its Cyber Section footprint by hiring additional civilian and enlisted staff in all of its Computer Crimes Unit (CCU) locations. Requests for service have increased by 2% to date in 2020 compared to the same timeframe in 2019. The Cyber Section is currently on pace to increase requests for service to over 4080 incidents in 2020.

Forensic examination of mobile devices and computer evidence suggests that children are increasingly exposing themselves to the risks of exploitation through their own dangerous behavior by engaging in self-manufacturing of pornography (i.e., sexting). Public education relative to the risks of cyber exploitation is presently inadequate compared to the number of children using the Internet who are exposed to these dangers. The number of children who can be rescued from online sexual predators and the number of child sexual predators who can be incarcerated is limited only by the availability of investigative resources and the Michigan Internet Crimes Against Children (MI-ICAC) Task Force's subsequent ability to analyze recovered digital evidence.

Statistics released by the Federal Trade Commission (FTC) indicate over 650,527 Americans were victims of identity theft in 2019 with losses totaling over \$1.9 billion. Over 35% of identity theft victims were credit card related with 42% involving new accounts taken over or created by criminals. In Michigan, statistics indicate there are 135 victims per 100,000 people, ranking Michigan as the 21st in the United States where citizens are most likely at risk of identity theft. This further highlights the need for enhanced training for investigating agencies. The Consumer Sentinel Network Data Book is produced annually using complaints received by the FTC's Consumer Sentinel Network. That includes not only complaints made directly by consumers to the FTC, but also complaints received by state and federal law enforcement agencies, national consumer protection organizations and non-governmental organizations.

Although, identity theft complaints increased from 14.31% in 2018 to 20.33% in 2019, with 29% decrease of 2019 consumers reporting that their data was used to commit tax fraud, there was a jump in those consumers who reported that their stolen data was used for credit card fraud (new and existing account). This figure rose from nearly 24% in 2018 to more than 88% in 2019, according to the FTC's 2019 Consumer Sentinel Network Data Book. In 2019, 3.2 million complaints were entered into the Consumer Sentinel Network.

Effects of the Problem on the Target Population and Target Community

A growing body of research documents the prevalence of Internet crime against children. However, research on the effects of such crimes on children and others (e.g., Internet users, parents of victims, and law enforcement personnel who investigate these crimes) is less available. Anecdotal evidence of negative effects includes, but is not limited to, victim suicide, disintegration of the victim's family structure, community isolation of the victim and his/her family, and an increasing demand for mental health counseling services. Some resources, such as the Dr. Sharon Cooper videos, found at www.netsmartz.org, reflect efforts to collect anecdotal data on topics such as online harassment and the negative impact of sexual images on children. Other research into online and Internet based fraud crimes from the Federal Bureau of Investigation, National Infrastructure Protection Center (FBI NIPC) indicate new methods for victimization. These methods include 'spoofing' (manufacturing replica websites for legitimate businesses), 'phishing' schemes (sending email requesting sensitive personal information), and 'hacking' where systems record, and databases are compromised by an unprotected computer. The financial hardships these crimes create can be overwhelming to victims.

Previous/Current Attempts to Address the Problem

Creation of MI-ICAC & Multijurisdictional Task Force (MJTF) Training Consortium

The MSP was first awarded a U.S. Department of Justice (DOJ) ICAC grant in June 2002. The MSP created the statewide MI-ICAC Task Force with this initial grant funding. The MSP uses DOJ grant funds to compensate overtime for 16 child exploitation forensic examiners and provide overtime to MI-ICAC law enforcement. The DOJ grant funds also provide computer hardware, software and training support to 48 statewide affiliate agencies including federal, state, and local law enforcement agencies. Additionally, since 2003, the MSP has received Michigan Law Enforcement Training Funds to provide training for investigators on constantly emerging and changing technology. The demand and necessity for training is critical.

The MSP Cyber Section continues to be the primary MI-ICAC statewide investigative and forensic resource for the state of Michigan. The MI-ICAC Task Force includes 48 affiliate law enforcement agencies throughout the state of Michigan. Every affiliate has made a formal commitment to investigate technology-related child sexual exploitation cases and has allocated part-time investigative or forensic resources. It is the intent of this application to leverage Michigan Law Enforcement Training Funds to enhance law enforcements ability to adequately respond to a variety of technology initiated criminal acts. This will be accomplished through the combined efforts of the Michigan Technology Investigations and Forensic Training Consortium (MTI-FTC).

Collaboration with Law Enforcement Affiliates and MSP Cyber Section Growth

In 2018, the MSP Cyber Section hired 14 detective troopers to specifically address proactive investigations utilizing specialized software to locate and identify child predators. The detective troopers and investigative affiliates have received specialized training and generated over 956 investigations involving online child sexual exploitation many involving active criminal sexual conduct cases with child victims identified.

Of the 48 current MI-ICAC affiliates, 33 are digital forensic examiners who provide forensic evidence analysis for their own jurisdictions, in addition to ICAC related cases. Affiliates receive training and equipment from the MI-ICAC and the MSP via PA 302 grant funds, allowing them to conduct most of their own investigations. These partnerships are an essential component to the MI-ICAC's and the MTI-FTC's success and ensuring the safety of Michigan's citizens.

This training is important to the criminal justice community. It enables law enforcement professionals to keep pace with the constantly changing environment of technology related crime and respond to the growing problem of criminals using technology as a conveyance to their malicious and dangerous activities. By offering this training to law enforcement partners from across the state, investigators are prepared to be front-line first responders in major technology crimes. The MSP views the training of external partners as a critical function and modality for public safety. Limited MSP resources make it that we can no longer "go in alone" in the area of technology crime investigation. The MSP needs to leverage all partners to address critical, and in many cases, time-sensitive case work.

SECTION 2 - PROJECT NARRATIVE

B. TRAINING OBJECTIVES

Describe the subject matter for each course/topic. Provide global objectives in terms of outcomes, stating what the trainees are expected to know and do as a result of this training.

Refer to Page 18 of the Grant Manual

Training in the use of hardware technology and forensic software tools is critical to maximize the efficiency and effectiveness of both digital forensic examiners and investigators. Digital forensic training is constantly evolving as new information technologies emerge. User migration from standard 'in home' computing has given way to mobile computing and unique smaller digital devices capable of accessing the Internet. Smartphones, computer tablets, smartwatches, fitness trackers (i.e. Fitbit), GPS units, and even vehicles now can enhance or facilitate crimes previously undetected using free wireless Internet connections or store vast amounts of incriminating data in non-traditional ways.

For example, in July of 2016, the MSP Cyber Section, CCU investigated an incident where a suspect utilized Craigslist to solicit for sex and killed a couple and their unborn child after the victims arranged via the Internet to meet him for sex. The ability to search the victim's computer and mobile phones for their Internet activities provided connections to their Craigslist advertisements and enabled investigators to identify the suspect. As a result of this case and others, it is the desire of the MSP to train MTI-FTC members in the tracking and forensic analysis of digital cellular and other mobile devices. Training members in the analysis, investigation, and collection of evidentiary material related to wireless and mobile technologies is the focus and intended use for the PA 302 Competitive Grant funds. Just as consumer electronics and technologies change, the vendors of forensic software tools and utilities change as well. It is essential for investigators and analysts to attend vendor specific training for recovery of evidence software.

The MSP Cyber Section, MI-ICAC, and the MTI-FTC determine training needs on a statewide basis for all partner and affiliate agencies. A top priority is to ensure that participating agencies and officers achieve a minimum level of proficiency in the investigation and analysis of Internet technologies and devices. Advanced or specialized training addressing regional needs will be given consideration. When practical, training will be brought to Michigan to minimize expenses relative to travel and per diem. Additionally, a key factor in the successful prosecution of high technology cases is the ability of the examiner, investigator or analyst to testify to the capability of the hardware and software tools used to develop the case at hand.

Law enforcement personnel must attend courses which deal with the manual recovery of evidence using "old fashioned" methods employing DOS based programs to develop a solid understanding of how digital data is written to various media types. It is for this reason basic level training courses are being written into this grant request to benefit MTI-FTC members. This allows the forensic examiner to confidently explain in court precisely how automated data recovery tools produce evidentiary material. As a follow-up to court room testimony essentials, it is also the intent of the MSP to enhance the ability of investigators and analysts to receive training in court room procedures and the ability to withstand a rigorous and knowledgeable criminal defense cross examination.

In-state training opportunities have been identified which will allow for and provide this critical skill in a cost-neutral manner by utilizing existing staff and affiliate attorneys.

The following training courses are considered critically important to the MSP Cyber Section and MTI-FTC:

Forensic Training Programs Syllabuses:

1) International Association of Computer Investigative Specialists (IACIS)- Basic Computer Forensic Examiner (BCFE)

The IACIS BCFE training conference is a 76-hour program that provides fundamental study of computer operating systems, file systems, and various computer forensics concepts and methodologies. Following the training event, candidates may enroll in the Certified Forensic Computer Examiner (CFCE) program. The external CFCE program is available to those whom the IACIS Certification Committee determines have a commensurate level of training and computer forensics experience.

Topics include:

- Pre-examination Procedures and Legal Issues—search and seizure, legal process preparation, and rules of evidence as applicable to computer forensics, chain of custody of seized items, wired and wireless networking implications relating to search and seizure, forensic software, and acquisition of Random Access Memory (RAM).
- Media Examination and Analysis—Forensically sound hardware and software environment, validation of forensic hardware, software and forensic examination processes, hard disk interfaces to include EIDE, SATA, SCSI and SSD, validation of forensically sterile media, generation of forensic image files, validation of forensic copies, physical and logical structures of media, checksums, FAT and NTFS file systems, numbering systems, recovery of deleted data and file fragmentation.
- Data Recovery—recovery of deleted file and folders manually and with automated tools, file header and file extension recognition, recovery of deleted, hidden, and encrypted partitions, Windows operating systems, email clients, instant messaging/chat and peer-to-peer clients, Internet browsers.
- Specific Analysis of Recovered Data—hibernation files, page and swap files, link files, thumbnail stores, event logs, configuration files, recycle bin records, encrypted files and partitions, compound files, metadata extraction, analysis of Windows Registry hives, Internet history files from web browsers.
- Reporting and Exhibits—draft professional examination reports for non-technical audiences that include findings and conclusions with results that can be validated by an independent examination, prepare complete and thorough document of forensic examination processes and procedures to include testing and validation as well as evidence handling activities.
- Defense and Presentation of Findings—draw sound conclusions on examination findings, explain and present through exhibits on complex technical concepts in terms easily understood by non-technical persons.

2) IACIS Advance: Mobile Device Forensics (MDF)

The IACIS MDF Training Program is a 36-hour course of instruction, offered over five (5) consecutive days. The program is designed to provide students with detailed study of the examination of mobile devices including cell phones and tablets. During instruction, students will become familiar with the way tools recover cell phone data, and the type of extractions. Students will analyze the results by diving deep within the file systems of mobile devices, and recovering data which tools frequently miss, learning to recognize and decode that data by hand. Students will become familiar with the latest capabilities for by passing locked devices running Apple's iOS and several versions of Android. The hands-on practical exercises use some of the best commercial and open source tools available.

Topics include:

- Acquiring file system and physical images from phones, to include handling and procedures for locked devices. Students will learn how to acquire cell phone data, and the different types of techniques to obtain the most relevant data. Students will become familiar with accessing locked iOS and Android devices, using a variety of techniques including bypassing software, flasher boxes, and an introduction to JTAG, ISP, and Chip Off.
- Students will learn and practice bypassing current Android OS limitations, allowing a physical image from a phone running Kit Kat and higher. There are multiple hands on practicals which include using custom recovery and rooting Android phones to bypass the locks. These methods allow for a full physical extraction of the devices, which commercial tools cannot gain access to due to operating system restrictions. There is some usage of both Windows command line and Linux to conduct the practical. All the commands and options are explained in detail, no previous command line experience needed.
- Details on Android and iOS file systems, their structures, and formats. Students will learn through hands on how the file systems are laid out in both iOS and Android, allowing them to find the data they are looking for quickly and be able to interpret it. This knowledge will carry over to new releases of the operating systems; ensuring students can continue to stay current.
- Validating data obtained from forensic tools, including data that tools miss, learn to interpret and recognize data from apps phones use. Students will be able to take any application found on a phone, and be able to recognize, interpret and report on its data.
- Examples of apps are KiK, Photovault, Snapchat, and the other 125,000 chat applications available. Students will learn and conduct both manual and automated SQLite recovery methods, ensuring success in their future exams using various tools. NAND Ram Architecture and storage, carving data from those spaces—learn how cell phones store their data at the physical level, which allows the carving of “deleted” data and recovery of data from damaged phones, or phones which have been JTAG'd or a chip off conducted on.
- Obtaining and processing iOS backup files, both manually and using automated tools.
- Using Wi-Fi data as part of investigations.

PREREQUISITE: IACIS Membership Required. Basic Computer Forensic Examiner [BCFE] course AND completion of the Certified Forensic Computer Examiner [CFCE] certification is highly recommended, but not required.

3) The 2021 Techno Security Training and Digital Forensic Conference

- a) **The 2021 Techno Security & Digital Forensics Conference** will be held in multiple locations in during calendar year 2021:
- (1) Myrtle Beach, North Carolina, May 30-June 2, 2021
 - (2) San Diego, California, March 8-10, 2021
 - (3) Denver, Colorado, October 25-27, 2021

The 2021 Techno Security Training and Digital Forensic Conferences aim to raise international awareness of developments, teaching, responsibilities, and ethics in the field of IT security and digital forensics.

This conference promises to be the international meeting place for IT security professionals from around the world. The conference will feature some of the top speakers in the industry and will raise international awareness towards increased education and ethics in IT security. The Techno Security Training and Digital Forensic Conference has grown into one of the most important resources for federal, state and local law enforcement digital forensic specialists, and cybersecurity industry leaders from around the world. It is known as a world-class training and networking event now having had attendees register from 52 different countries.

In 2019, the Techno Security Training and Digital Forensic Conferences welcomed 1,639 verified attendees. Participants hailed from over 41 states, the District of Columbia, and from 52 different countries. Each year the event management team works closely with sponsors and relevant industry associations to identify and qualify appropriate professionals ensuring that they were of the highest caliber.

4) SANS FOR518: Mac and iOS Forensic Analysis and Incident Response

SANS FOR518: Mac and iOS Forensic Analysis and Incident Response is a 44-hour course of instruction, offered over six (6) consecutive days.

This course provides the techniques and skills necessary to take on any Mac or iOS case without hesitation. The intense hands-on forensic analysis and incident response skills taught in the course will enable analysts to broaden their capabilities and gain the confidence and knowledge to comfortably analyze any Mac or iOS device. In addition to traditional investigations, the course presents intrusion and incident response scenarios to help analysts learn ways to identify and hunt down attackers that have compromised Apple devices.

FOR518: Mac and iOS Forensic Analysis and Incident Response will teach students:

- **Mac and iOS Fundamentals:** How to analyze and parse the Hierarchical File System (HFS+) and Apple File System (APFS) by hand and recognize the specific domains of the logical file system and Mac-specific file types.
- **User Activity:** How to understand and profile users through their data files and preference configurations.
- **Advanced Intrusion Analysis and Correlation:** How to determine how a system has been used or compromised by using the system and user data files in correlation with system log files.
- **Apple Technologies:** How to understand and analyze many Mac and iOS-specific technologies, including Time Machine, Spotlight, iCloud, Document Versions, FileVault, Continuity, and FaceTime.

FOR518: Mac and iOS Forensic Analysis and Incident Response aims to train a well-rounded investigator by diving deep into forensic and intrusion analysis of Mac and iOS. The course focuses on topics such as the HFS+ and APFS file systems, Mac-specific data files, tracking of user activity, system configuration, analysis and correlation of Mac logs, Mac applications, and Mac-exclusive technologies. A computer forensic analyst who completes this course will have the skills needed to take on a Mac or iOS forensics case.

SECTION 2 - PROJECT NARRATIVE

C. TRAINING METHODS

Describe how the training will be delivered for each course/topic. Identify program developers and instructors and describe their qualifications. Outline the method(s) of presentation. Include the hours of training and where the training will occur. Describe the training materials that will be developed or provided.

Refer to Page 19 of the Grant Manual

Comprehensive training methods will be employed to maximize the retention of training material and forensic data recovery techniques. Due to the technical nature of the training material presented, much of the coursework is instructor led, “hands on” or lab-style where students actively participates in exercises meant to nurture the learning process and enhance the retention of techniques and procedures necessary to successfully complete investigative and forensic processes. For example, two primary vendors who produce software tools used for analysis provide each student with a forensic recovery workstation where the actual software utility is used in class on practical exercises. These lab computers are “mobile” and can be brought to Michigan and set up in a local classroom environment. When practical, training will be brought in state to reduce costs saving funding which would otherwise be allocated for per diem and travel. In the case of the “Court Proceedings and Testimony” course, students will be given fictitious case material to study, then participate in a “mock trial” proceeding where they participate in a cross examination by an actual high-tech crime prosecuting attorney acting in the role of criminal defense. Between actual hands-on training, mock trial scenario based training and typical classroom discussion all adult learning styles will be represented. As a corollary, assessment and proficiency testing of all students is required for a vendor specific software training course. This practical exercise at program conclusion is an effective metric as to whether the learning objectives were met.

For those courses which result in forensic certification, external third-party review of a body of work completed by an investigator or analyst is completed and measured to demonstrate proficiency. Typically, the host vendor or training proctor administers this test. If an examiner does not satisfactorily complete the assessment, no certification or credential is awarded. Active participation and testing are required to validate knowledge, comprehension, retention, and understanding.

The MSP, Cyber Section recognizes training dollars are limited and allowing civilians and officers to attend provides value-added benefits. It is the intent of this grant project to leverage these training funds to their absolute maximum potential with measurable outcomes at course conclusion.

SECTION 2 - PROJECT NARRATIVE

D. EVALUATION

In addition to participant feedback, describe how the participants will be evaluated on their acquisition of knowledge for each course/topic.

Refer to Page 19 of the Grant Manual

As the administrator for the 2021 PA 302 Competitive Grant program, it is critical to establish performance metrics which validate the quality, method, and benefit of MJTF sponsored training. Evaluation can be provided by the vendor at the conclusion of the course to measure proficiency, but also “evaluation” is relative to the students attending the course and receiving the materials and training content. Given the importance of securing supplemental grant funding for training, it is critical the Project Administrator ensure identified vendors are delivering a quality product in the form of education and training. The goal of the evaluation is to demonstrate knowledge in reality-based assessments. To this end, the following points will be used to generate a student evaluation form at the conclusion of each MJTF funded training course.

Ensure students are evaluating what you want them to assess

The point of the evaluation is for the Project Administrator to see the specific aspects where instructors do well and the identified areas for improvement. Efforts will be made to clarify what students are evaluating. Listing the criteria to be evaluated by the students is useful and may include organization, clarity, and knowledge of the instructor course content and, instructional effectiveness.

Define the numerical ratings for different categories

For each of the categories students are asked to evaluate, students will be asked to rate the quality of instruction. Instead of rating the proctor with subjective descriptors such as excellent, good, etc., the evaluations will ask the students about how much the student agrees with a statement:

*The material was presented in a clear manner that facilitated understanding
1–strongly agree; 2–agree; 3–neutral; 4–disagree; 5–strongly disagree*

Plenty of space for student comments

Inevitably, students often want to finish the evaluations as fast as possible to conclude the training day, hence the rapid circling of “1” for rating every single category. Students will notice a large amount of open area for comment on these forms. Unfortunately, numbered ratings do not mean much. Comments are much more helpful. By leaving adequate space for written comments, students will feel some obligation to complete this critical aspect of the evaluation.

Students will be given plenty of time to complete course evaluations

This will reduce the possibility of rushing quickly through the metric to generally gauge the quality of the materials presented.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for ***each topic/course*** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
IACIS–BCFE (Basic Computer Forensic Examiner)

Training Location
Out of State – Orlando, Florida

Maximum Participants	Minimum Participants (2/3 of Max)	Hours of Training Per Session	Number of Sessions
2	2	80	1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$	\$	\$
Contractual Services	\$	\$	\$
Tuition	\$5,990.00	\$2,995.00	\$2,995.00
Travel	\$5,196.00	\$2,598.00	\$2,598.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$11,186.00	\$5,593.00	\$5,593.00
Total <i>Course</i> Costs	\$11,186.00	\$5,593.00	\$5,593.00

NOTES:

The IACIS BFCE training conference will be held April 26-May 7, 2021, in Orlando, Florida. This is a 76-hour training program that provides fundamental study of computer operating systems, file systems, and various computer forensics concepts and methodologies. Following the training event, candidates may enroll in the CFCE Certification program. The external CFCE program is available to those whom the IACIS Certification Committee determines have a commensurate level of training and computer forensics experience.

Course Details

Course Title IACIS Advance: Mobile Device Forensics (MDF)			
Training Location Out of State–Orlando, Florida			
Maximum Participants 6	Minimum Participants (2/3 of Max) 4	Hours of Training Per Session 36	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$	\$	\$
Contractual Services	\$	\$	\$
Tuition	\$8,970.00	\$5,980.00	\$2,990.00
Travel	\$8,004.00	\$2,668.00	\$5,336.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$16,974.00	\$8,648.00	\$8,326.00
Total <i>Course</i> Costs	\$16,974.00	\$8,648.00	\$8,326.00

NOTES:

The IACIS MDF training program is a 36-hour course of instruction, offered over five (5) consecutive days. The program is designed to provide students with detailed study of the examination of mobile devices including cell phones and tablets. During the course of instruction, students will become familiar with the way tools recover cell phone data, and the type of extractions.

Course Details

Course Title Techno Security & Digital Forensics Conference			
Training Location Out of State—Myrtle Beach, South Carolina			
Maximum Participants 10	Minimum Participants (2/3 of Max) 6	Hours of Training Per Session 32	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$	\$	\$
Contractual Services	\$	\$	\$
Tuition	\$9,950.00	\$6,633.33	\$3,316.67
Travel	\$15,160.00	\$5,053.33	\$10,106.67
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$25,110.00	\$11,686.66	\$13,423.34
Total <i>Course</i> Costs	\$25,110.00	\$11,686.66	\$13,423.34

NOTES:

The 2021 Techno Security & Digital Forensics Conference will be held in multiple location in during calendar year 2021:

- (1) Myrtle Beach, North Carolina, May 30-June 2, 2021.
- (2) San Diego, California, March 8-10, 2021.
- (3) Denver, Colorado, October 25-27, 2021.

These conferences are an international meeting place for IT Security professionals from around the world. The conferences will feature some of the top speakers in the industry and will raise international awareness towards increased education and ethics in IT security. The Techno Security & Digital Forensics Conferences are specifically dedicated to federal, state and local law enforcement forensic specialists, corporate and private forensic examiners, industry leaders, and academic researchers performing Mobile Device Forensics.

Course Details

Course Title SANS FOR518: Mac and iOS Forensic Analysis and Incident Response			
Training Location In State–Michigan State Police Academy			
Maximum Participants 15	Minimum Participants (2/3 of Max) 10	Hours of Training Per Session 44	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$	\$	\$
Contractual Services	\$	\$	\$
Tuition	\$105,300.00	\$70,200.00	\$35,100.00
Travel	\$9,615.00	\$	\$9,615.00
Supplies & Operating	\$900.00	\$	\$900.00
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$115,815.00	\$70,200.00	\$45,615.00
Total <i>Course</i> Costs	\$115,815.00	\$70,200.00	\$45,615.00

NOTES:

SANS FOR518: Mac and iOS Forensic Analysis and Incident Response is a 44-hour course of instruction, offered over six (6) consecutive days. This course provides the techniques and skills necessary to take on any Mac or iOS case without hesitation. The intense hands-on forensic analysis and incident response skills taught in the course will enable analysts to broaden their capabilities and gain the confidence and knowledge to comfortably analyze any Mac or iOS device.

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

Personnel:

There is no funding requested for the Personnel category.

Contractual Services:

There is no funding requested for the Contractual Services category.

Tuition:

Out-of-State Tuition Costs

Out-of-state tuition costs for the MSP and local and county forensic examiners are determined by the training needs on both an individual and statewide basis by the MSP Cyber Section and affiliate agencies. Since 2016, the MSP Cyber Section has acquired additional forensic examiners and investigators who require different levels of digital forensic training. Request for out-of-state tuition cost are intended to assist in providing fundamental study of computer operating systems, file systems, and various computer forensics concepts and methodologies.

Techno Security & Digital Forensics Conference

The total for the tuition for Techno Security & Mobile Forensic World

\$995.00 each x 10 MSP, local and county forensic examiners = \$9,950.00

Grant Share = \$6,633.33

Match Share = \$3,316.67

IACIS MDF

The total for the tuition for IACIS-Windows Forensic Examiners

\$1,495.00 each x 6 MSP, local and county forensic examiners = \$8,970.00

Grant Share = \$5,980.00

Match Share = \$2,990.00

IACIS BCFE

The total for the tuition for IACIS - BCFE is

\$2,995.00 each x 2 MSP, local and county forensic examiners = \$5,990.00

Grant Share = \$2,995.00

Match Share = \$2,995.00

TOTAL for Out-of-State Tuition = \$24,910.00

Grant Share = \$15,608.33

Match Share = \$9,301.67

In-State Tuition Cost

In-state tuition cost for the MSP, local and county forensic examiners are determined by the training needs on a statewide basis for all partner and affiliate agencies. One of our top priorities has been to ensure that participating agencies and officers achieve a minimum level of proficiency in the investigation and analysis of internet technologies and devices. Advanced training or specialized training addressing regional need has been given every consideration and the following digital forensic training will provide up to 15 MSP, local and county digital forensic examiners by providing in-state training that helps minimize expenses relative to travel and per diem.

SANS FOR518: Mac and iOS Forensic Analysis and Incident Response

The total for the tuition for 15 MSP, local and county forensic examiners per session:

\$7,020.00 each x 15 MSP, local and county forensic examiners = \$105,300.00

Grant Share = \$70,200.00

Match Share = \$35,100.00

Total Grant Share = \$70,200.00 Total Match Share = \$35,100.00

TOTAL for In-State Tuition = \$105,300.00

Grant Share = \$70,200.00

Match Share = \$35,100.00

GRAND TOTAL FOR TUITION = \$130,210.00

Grant Share = \$85,808.33

Match Share = \$44,401.67

Travel-Employee:

There is no funding request for the Travel-Employee category.

Travel-Contractor:

There is no funding request for the Travel-Contractor category.

In-State Student-Travel Cost

In-State Student-Travel cost for the MSP, local and county forensic examiner trainees are within the State's standardized travel rates as published by the Department of Technology, Management, and Budget (DTMB).

Note: Several of the MSP, local and county forensic examiner trainees will be traveling from their work site locations within upper and lower portion of the state to attend in-state training sessions.

SANS FOR518: Mac and iOS Forensic Analysis and Incident Response

In-State Travel: 6 days/5 nights per MSP, local and county forensic examiner

Lodging \$85.00/night x 5 nights = \$425.00

Meals \$36.00/day x 6 days = \$216.00

(\$8.50-Breakfast, \$8.50-Lunch, \$19.00-Dinner)

The total for the Student Travel for SANS FOR518: Mac and iOS Forensic Analysis and Incident Response is:

\$641.00 each x 15 MSP, local and county forensic examiners = \$9,615.00

Grant Share = \$0.00

Match Share = \$9,615.00

TOTAL for In-State, Student-Travel = \$9,615.00

Grant Share = \$0.00

Match Share = \$9,615.00

Out-State, Student-Travel Cost

Out-State, Student-Travel cost for the MSP, local and county forensic examiners are within the State's standardized travel rates as published by the DTMB.

Note: Several of the MSP, local and county forensic examiner trainees will be traveling from their work site locations within the upper and lower portion of the state to attend in-state training sessions.

Techno Security & Digital Forensics Conference

Out-State Travel: 5 days/4 nights per MSP, local and county forensic examiner

Lodging	\$199.00/night x 4 nights = \$796.00
Meals	\$44.00/day x 5 days = \$220.00 (\$10.25-Breakfast, \$10.25-Lunch, \$23.50-Dinner)
Airfare	\$500.00 per attendee

The total for the Techno Security & Digital Forensics Conference is:

\$1,516.00 each x 10 MSP, local and county forensic examiners = \$15,160.00
Grant Share = \$5,053.33 Match Share = \$10,106.67

IACIS MDF

Out-State Travel: 6 days/5 nights per MSP, local and county forensic examiner

Lodging	\$114.00/night x 5 nights = \$570.00
Meals	\$44.00/day x 6 days = \$264.00 (\$10.25-Breakfast, \$10.25-Lunch, \$23.50-Dinner)
Airfare	\$500.00 per attendee

The total for the Mobile Device Forensics (MDF) is:

\$1,334.00 each x 6 MSP, local and county forensic examiners = \$8,004.00
Grant Share = \$2,668.00 Match Share = \$5,336.00

IACIS BCFE

Out-State Travel: 14 days/13 nights per MSP, local and county forensic examiner

Lodging	\$114.00/night x 13 nights = \$1,482.00
Meals	\$44.00/day x 14 days = \$616.00 (\$10.25-Breakfast, \$10.25-Lunch, \$23.50-Dinner)
Airfare	\$500.00 per attendee

The total for the Student Travel for Basic Computer Forensic Examiner is:

\$2,598.00 each x 2 MSP, local and county forensic examiners = \$5,196.00
Grant Share = \$2,598.00 Match Share = \$2,598.00

TOTAL for Out-of-State, Student-Travel = \$28,360.00

Grant Share = \$10,319.33

Match Share = \$18,040.67

GRAND TOTAL FOR Travel = \$ 37,975.00

Grant Share = \$10,319.33

Match Share = \$27,655.67

Supplies and Operating:

We request funding to hold in-state training in Lansing, Michigan, at the Michigan State Police Training Academy.

SANS- Mac and iOS Forensic Analysis and Incident Response

Room rental rate is \$150.00 per day ($\$150.00/\text{day} \times 6 \text{ days} = \900.00).

Grant Share = \$0.00 Match Share = \$900.00

GRAND TOTAL for the Supplies & Operating category is \$900.00

Grant Share \$0.00

Match Share \$900.00

SECTION 5 - APPLICANT PRIORITIES

Prioritize the components of your application in descending order. Include the GRANT COSTS and MATCH COSTS. Single topic applications should list priorities by sessions or category expenditures. If the application contains more than one training topic, prioritize by topic. If more than one grant application is being submitted by an agency, prioritize the list of applications. The applicant's list of priorities will be followed to the highest degree possible; however, Commission priorities take precedence over a grantee's priorities.

BE SURE TO PROVIDE ACTUAL COSTS FOR EACH TOPIC.

Copy and insert this page into your application as many times as needed.

Refer to Page 21 of the Grant Manual

HIGHEST TO LOWEST PRIORITY:

The one primary vendor providing our analysis tools SANS.

SANS FOR518: Mac and iOS Forensic Analysis and Incident Response is a 44-hour course of instruction, offered over six (6) consecutive days. This course provides the techniques and skills necessary to take on any Mac or iOS case without hesitation. The intense hands-on forensic analysis and incident response skills taught in the course will enable analysts to broaden their capabilities and gain the confidence and knowledge to comfortably analyze any Mac or iOS device.

A priority request within this request is enhanced training for nine MSP digital forensic examiners and investigators. By allowing these officers and civilians added training, they will be in a better position to aid in the solvability of a variety of criminal incidents, from robbery to sexual assault. Therefore, the courses listed in this priority detail are listed in order from most essential to those of lesser importance.

HIGHEST TO LOWEST PRIORITY:

- **Techno Security & Digital Forensics Conference**

- Tuition: Grant Share \$6,633.33 Match Share \$3,316.67
- Travel: Grant Share \$5,053.33 Match Share \$10,106.67

- **Mac and iOS Forensic Analysis and Incident Response**

- Tuition: Grant Share \$70,200.00 Match Share \$35,100.00
- Travel: Grant Share \$0.00 Match Share \$9,615.00
- Operating: Grant Share \$0.00 Match Share \$900.00

- **IACIS–Mobile Device Forensics (MDF)**

- Tuition: Grant Share \$5,980.00 Match Share \$2,990.00
- Travel: Grant Share \$2,668.00 Match Share \$5,336.00

- **IACIS–Basic Computer Forensic Examiner (BCFE)**

- Tuition: Grant Share \$2,995.00 Match Share \$2,995.00
- Travel: Grant Share \$2,598.00 Match Share \$2,598.00

CERTIFICATE OF CONSORTIUM MEMBERSHIP

The Certifying Official shall be the individual who administers consortium activities and has the authority to act on behalf of the consortium. Attach paperwork supporting the Consortium Membership to this document.

Identification:

1. Applicant Agency:

Michigan State Police, Intelligence Operations Division, Cyber Section, Computer Crimes Unit

2. Consortium:

Michigan Technology & Investigations and Forensic Training Consortium

Consortium:

3. Consortium Structure:

The MSP Cyber Section is the lead administrative agency for the MI-ICAC Task Force. The structure of this consortium benefits all of Michigan's 83 counties by regionally staffing personnel who collaboratively investigate technology related crimes against children. All of consortium members who receive training in Internet investigation and digital forensic examination utilize these skills to benefit their home agencies in a variety of criminal cases. Consortium members can be found at each of the MSP CCU office locations. These locations include Lansing, Livonia, Bridgeport, Coldwater, Grand Rapids, Traverse City, and Marquette. Signed Memorandums of Understanding are on file with all partner agencies and the MSP.

4. Geographic Region Served by the Consortium:

All of Michigan's 83 counties are serviced by MI-ICAC task force members who also comprise this MJTF consortium.

5. Member Agencies:

Antrim County Sheriff's Office, Clinton County Sheriff's Office, Berrien County Sheriff's Office, Ingham County Sheriff's Office, Kent County Sheriff's Office, Livingston County Sheriff's Office, Macomb County Sheriff's Office, Newaygo County Sheriff's Office, Ottawa County Sheriff's Office, Grand Traverse County Sheriff's Office, Kalamazoo County Sheriff's Office, Van Buren County Sheriff's Office, Wayne County Sheriff's Office, Eaton County Prosecutor's Office, Wayne County Prosecutor's Office, Kent County Prosecutor's Office, Detroit PD, Forsyth PD, Grand Blanc City PD, Grand Rapids PD, Holland PD, Muskegon PD, Muskegon Twp. PD, Livonia PD, Sterling Hts. PD, Northville Twp. PD, Troy PD, Kentwood PD, Fruitport PD, Wyoming PD, Bellaire PD, Lansing PD, Grand Blanc Twp. PD, Midland PD, Norton Shores PD, Saginaw Twp. PD, Westland PD, New Baltimore PD, Traverse City PD, Marquette PD, Michigan State Police, Michigan Department of Attorney General, Michigan Department of Corrections, Michigan National Guard, United States Secret Service, US Postal Inspection Service, Federal Bureau of Investigation, United States Immigration and Customs Enforcement.

6. Financial Commitment from Member Agencies:

Members agencies provide personnel to work part-time at one of the (7) MSP CCU regional office locations and pay the hourly wages, benefits, and overtime expenses for their staff

Certification:

I certify, on behalf of the consortium, the information contained in this document is complete, accurate and, in compliance with the requirements of the Michigan Commission on Law Enforcement Standards.

Printed Name of Certifying Official	Title of Certifying Official
Signature of Certifying Official	Date

Other consortium certification may be submitted as addendum files.

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Building Forensic & Investigative Capacity in Technology
2021 Proposed Budget Detail

PERSONNEL
Salary and Fringe Benefits

Course Employee Name	Assignment	Hourly Rate	Dev. Hours	Prep. Hours	Inst. Hours	Admin. Hours	Total Salary	Fringe Rate	Fringe	Total Cost	Grant Share	Match Share
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TOTAL PERSONNEL										\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Building Forensic & Investigative Capacity in Technology
2021 Proposed Budget Detail

TUITION
Cost per Student

Training Provider	Course	Number of Students	Cost per Student	Total Cost	Grant Share	Match Share
				\$ -		
International Association of Computer Investigative Specialists (IACIS)	Basic Computer Forensic Examiner (BCFE)	2	\$ 2,995.00	\$ 5,990.00	\$ 2,995.00	\$ 2,995.00
				\$ -		
International Association of Computer Investigative Specialists (IACIS)	Advance: Mobile Device Forensics (MDF)	6	\$ 1,495.00	\$ 8,970.00	\$ 5,980.00	\$ 2,990.00
				\$ -		
The Comexposium Group	2021 Techno Security & Digital Forensics Conference	10	\$ 995.00	\$ 9,950.00	\$ 6,633.33	\$ 3,316.67
				\$ -		
SANS	FOR518: Mac and iOS Forensic Analysis and Incident Response	15	\$ 7,020.00	\$ 105,300.00	\$ 70,200.00	\$ 35,100.00
				\$ -		
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TOTAL TUITION				\$130,210.00	\$85,808.33	\$44,401.67

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Building Forensic & Investigative Capacity in Technology
2021 Proposed Budget Detail

TRAVEL
Contractor

Course Contractor Name	Mileage			Lodging			Breakfast			Lunch			Dinner			Airfare/ Other	Total Cost	Grant Share	Match Share
	Miles	Rate 0.34	Total	#	Rate \$85.00	Total	#	Cost	Total	#	Cost	Total	#	Cost	Total				
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TOTAL CONTRACTOR TRAVEL			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00		\$0.00		\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Building Forensic & Investigative Capacity in Technology
2021 Proposed Budget Detail

TRAVEL
Trainee

Course/Date Trainee Totals	Lodging				Breakfast				Lunch				Dinner				Airfare/ Other	Total Cost	Grant Share	Match Share
	# Lodging	# Nights	Rate 85.00	Lodging Total	# for B'fast	# of Days	Cost	Breakfast Total	# for Lunch	# of Days	Cost	Lunch Total	# for Dinner	# of Days	Cost	Dinner Total				
				\$ -				\$ -				\$ -				\$ -		\$ -		
IACIS - Basic Computer Forensic Examiner (BCFE)	2	13	\$ 114.00	\$ 2,964.00	2	14	\$ 10.25	\$ 287.00	2	14	\$ 10.25	\$ 287.00	2	14	\$ 23.50	\$ 658.00	\$ 1,000.00	\$ 5,196.00	\$ 2,598.00	\$ 2,598.00
				\$ -				\$ -				\$ -				\$ -		\$ -		
IACIS Advance: Mobile Device Forensics (MDF)	6	5	\$ 114.00	\$ 3,420.00	6	6	\$ 10.25	\$ 369.00	6	6	\$ 10.25	\$ 369.00	6	6	\$ 23.50	\$ 846.00	\$ 3,000.00	\$ 8,004.00	\$ 2,668.00	\$ 5,336.00
				\$ -				\$ -				\$ -				\$ -		\$ -		
2021 Techno Security & Digital Forensics Conference	10	4	\$ 199.00	\$ 7,960.00	10	5	\$ 10.25	\$ 512.50	10	5	\$ 10.25	\$ 512.50	10	5	\$ 23.50	\$ 1,175.00	\$ 5,000.00	\$ 15,160.00	\$ 5,053.33	\$ 10,106.67
				\$ -				\$ -				\$ -				\$ -		\$ -		
SANS FOR518: Mac and iOS Forensic Analysis and Incident Response	15	5	\$ 85.00	\$ 6,375.00	15	6	\$ 8.50	\$ 765.00	15	6	\$ 8.50	\$ 765.00	15	6	\$ 19.00	\$ 1,710.00	\$ -	\$ 9,615.00		\$ 9,615.00
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TOTAL TRAINEE TRAVEL				\$20,719.00				\$1,933.50				\$1,933.50				\$4,389.00		\$37,975.00	\$10,319.33	\$27,655.67

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Building Forensic & Investigative Capacity in Technology
2021 Proposed Budget Detail

SUPPLIES AND OPERATING

Course	Description	Quantity	Unit Price	Total Cost	Grant Share	Match Share
SANS FOR518: Mac and IOS Forensic Analysis and Incident Response	MSP Academy Room Rental	6	\$ 150.00	\$ 900.00		\$ 900.00
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TOTAL SUPPLIES AND OPERATING				\$900.00	\$0.00	\$900.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Michigan State Police, Building Forensic & Investigative Capacity in Technology

2021 Proposed Budget Detail

Personnel	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Contractual	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Tuition	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 130,210.00	\$ 85,808.33	\$ 44,401.67	

Travel-Employee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Contractor	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Trainee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 37,975.00	\$ 10,319.33	\$ 27,655.67	

Supplies & Operating	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 900.00	\$ -	\$ 900.00	

Equipment	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

GRANT TOTALS	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 169,085.00	\$ 96,127.66	\$ 72,957.34	

Percentage of Total Costs	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	56.9%	43.1%	

State of Michigan
MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
 Michigan Justice Training Competitive Grant Program
2021 GRANT APPLICATION

SECTION 1 - IDENTIFICATION

APPLICANT AGENCY Monroe County Sheriff's Office		SIGMA ID/ADDRESS CODE VC0048076 / 004
STREET ADDRESS/CITY/ZIP 100 E 2 nd St, Monroe, MI 48161		
TRAINING CONSORTIUM (if applicable)		
PROJECT TITLE (Limit 45 characters) FY2021 Monroe County Annual Training Plan		
START DATE January 1, 2021	END DATE December 31, 2021	GRANT FUNDS REQUESTED \$ 26,328.00

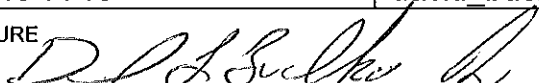
AUTHORIZED OFFICIAL (PERSON AUTHORIZED TO ENTER INTO AGREEMENTS)

As the Authorized Official, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Chairman J Henry Lievens	
STREET ADDRESS/CITY/ZIP 125 E 2 nd St, Monroe, MI 48161	
TELEPHONE (Direct) 734-240-7003	E-MAIL ADDRESS henrylievens@gmail.com
SIGNATURE 	DATE 21 MAY 2020


PROJECT ADMINISTRATOR (PERSON RESPONSIBLE FOR IMPLEMENTING AND REPORTING THE TRAINING)

As the Project Administrator, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Sgt David Buchko	
STREET ADDRESS/CITY/ZIP 100 E 2 nd St, Monroe, MI 48161	
TELEPHONE (Direct) 734-240-7716	E-MAIL ADDRESS david_buchko@monroemi.org
SIGNATURE 	DATE 5/20/2020

FINANCIAL OFFICER (PERSON RESPONSIBLE FOR GRANT ACCOUNTING)

As the Fiscal Officer, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Susan Maier	
STREET ADDRESS/CITY/ZIP 125 E 2 nd St, Monroe, MI 48161	
TELEPHONE (Direct) 734-240-7759	E-MAIL ADDRESS Susan_maier@monroemi.org
SIGNATURE 	DATE 5-20-20

By authority of P.A. 302 of 1982, as amended
 Submission of this application is required to participate in this program.

Applications must be submitted to MCOLES via email to thelend15@michigan.gov no later than May 22, 2020.

SECTION 2 - PROJECT NARRATIVE

A. PROBLEM IDENTIFICATION

Describe the problem or issue the training is expected to address. Connect the proposed training to the documented need. Explain why this proposal should be grant funded.

Refer to Page 18 of the Grant Manual

The Monroe County Sheriff's Office is proposing the FY2021 Monroe County Annual Training Plan. The plan includes Basic Patrol Rifle School and standard legal update.

Patrol rifles have become standard issue for today's police officers and deputy sheriffs. Thanks to the improved performance over a duty handgun, the patrol rifle is becoming the weapon of choice when confronting violent offenders. Given their frequent use in every day police work and the potential liability, there is an increased need for high quality training in the use of the patrol rifle. The proposed training – Basic Patrol Rifle School – will cover every aspect of the patrol rifle and its daily use by deputy sheriffs in the field.

The legal foundations under which deputy sheriffs conduct their work are based on long standing principles. However, there is a steady stream of changes every year that affect the application of police work. Without a routine review of the changing legal landscape, police officers and deputy sheriffs would quickly find themselves operating with an inadequate knowledge of criminal law and procedure. The proposed legal update course would cover recent changes affecting policing and prepare officers to apply the most current legal information to their daily work.

Deputy Sheriffs in Monroe County carry patrol rifles and apply their knowledge of the law every day. Consistent, high quality, and current police training related to these topics helps maintain professionalism, keeps deputies and residents safer, reduces liability, and helps deputy sheriffs provide the best possible police services to more than 150,000 Monroe County residents.

The FY2021 Monroe County Annual Training Plan will provide critical training for 60 full time deputy sheriff's employed at the Monroe County Sheriff's Office.

SECTION 2 - PROJECT NARRATIVE

B. TRAINING OBJECTIVES

Describe the subject matter for each course/topic. Provide global objectives in terms of outcomes, stating what the trainees are expected to know and do as a result of this training.

Refer to Page 18 of the Grant Manual

The FY2021 Monroe County Annual Training Plan consists of the following objectives:

Basic Patrol Rifle School

Priority Program Area: Firearm Standard/Officer Safety/Subject Control

Hours: 16 hours

Officers: 60 deputy sheriffs

This course is designed to teach officers the fundamentals of the patrol rifle, from nomenclature, care and cleaning, shooting positions, marksmanship and clearing malfunctions. After attending this course, officers will be proficient in their knowledge and use of the patrol rifle. Officers will be able to operate the patrol rifle in a safe and effective manner.

Deputies that complete this course will be proficient in:

- A. Knowledge of the operational characteristics of the patrol rifle.
- B. Nomenclature and maintenance of the patrol rifle.
- C. Understanding of ballistics.
- D. Fundamentals of marksmanship.
- E. Different shooting positions and sling usage.
- F. Different methods of carrying the rifle.
- G. Deployment techniques and operation application of the patrol rifle.

Standard Legal Update/Criminal Law and Procedure

Prioritized Program Area: Legal Update

Hours: 4

Officers: 60

At the completion of this training, the officer will be able to:

- A. Explain major Federal and State Court decisions affecting policing in Michigan.
- B. Explain statutory changes affecting policing in Michigan.
- C. Explain the how recent court decisions and statutory changes affect search warrants.
- D. Explain the how recent court decisions and statutory changes affect search and seizure.
- E. Explain the how recent court decisions and statutory changes affect confessions.
- F. Explain the how recent court decisions and statutory changes affect suspect identification.
- G. Explain the how recent court decisions and statutory changes affect civil liability affecting police in Michigan.

SECTION 2 - PROJECT NARRATIVE

C. TRAINING METHODS

Describe how the training will be delivered for each course/topic. Identify program developers and instructors and describe their qualifications. Outline the method(s) of presentation. Include the hours of training and where the training will occur. Describe the training materials that will be developed or provided.

Refer to Page 19 of the Grant Manual

Basic Patrol Rifle School

This is a 16 hour course conducted by Tactical Encounters – a police training provider located in Livonia, MI. The training will take place at an outdoor live fire range and include a short classroom session. The outdoor range and classroom locations are to be determined.

This is a hands on course using reality-based scenarios to help teach and reinforce patrol rifle techniques. Deputies will also use live fire drills and shoot approximately 400 rifle rounds and 50 pistol rounds to practice marksmanship, weapon transition, and malfunction clearing.

Standard Legal Update

This course will be instructed by a practicing attorney with experience working in the local Prosecutor's Office. The course will be lecture based and use the latest edition of the *Michigan Criminal Law and Procedure – A Manual for Michigan Police Officers* as the course text. The instructor will also use case studies with ample time for class discussion.

SECTION 2 - PROJECT NARRATIVE

D. EVALUATION

In addition to participant feedback, describe how the participants will be evaluated on their acquisition of knowledge for each course/topic.

Refer to Page 19 of the Grant Manual

Basic Patrol Rifle School– Participants will be evaluated with proficiency assessment, verbal critique, practical exercise and remediation if necessary during the live fire portion of the course. Successful completion requires the officer to pass a firearms course of fire.

Officers will be given an opportunity to provide feedback/evaluate the course material and instructors through the use of an MCOLES approved evaluation form.

Standard Legal Update – Participants will be evaluated by class participation, pre and post testing, and spontaneous verbal question and answer periods for each session.

Officers will be given an opportunity to provide feedback/evaluate the course material and instructors through the use of an MCOLES approved evaluation form.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for each topic/course included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details			
Course Title Basic Patrol Rifle School			
Training Location Monroe County – Outdoor Live Fire Range and classroom			
Maximum Participants 20	Minimum Participants (2/3 of Max) 13	Hours of Training Per Session 16	Number of Sessions 3

Course Details			
Course Title Standard Legal Update			
Training Location 987 S Raisinville Rd, Monroe, MI 48161			
Maximum Participants 20	Minimum Participants (2/3 of Max) 13	Hours of Training Per Session 4	Number of Sessions 3

Cost Breakdown			
<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$	\$	\$
Contractual Services	\$	\$	\$
Tuition	\$25,500	\$19,125	\$6,375
Travel	\$	\$	\$
Supplies & Operating	\$9,604	\$7,203	\$2,401
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$35,104	\$26,328	\$8,776

NOTES:

Although listed as tuition, the fees for both courses are considered flat rates.

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

Basic Patrol Rifle School:

This course will be taught by Tactical Encounters Inc. – a company specializing in police training. The Monroe county Sheriff's Office has used Tactical Encounters for several courses in the past with excellent results.

The cost for this course is a flat rate of \$24,000 which is based on the intended maximum number of 60 officers. The course will be taught in 3 sessions with a maximum of 20 officers in each session. The Sheriff's Office will coordinate the use of the required outdoor rifle range and classroom. Both will be located within Monroe County.

This application is requesting \$18,000 in grant funding for this training course. The 25% cost match of \$6,000 would be funded through the Sheriff's Office budget.

Each officer will require 400 rounds of ammunition for his/her patrol rifle and 50 rounds of ammunition for his/her duty pistol. 400 rounds times 60 officers equals 24,000 rounds. Total cost for rifle ammunition is \$8,448.

50 rounds of pistol ammunition times 60 officers equals 3,000 rounds. Total cost of pistol ammunition is \$1,156. Total cost for ammunition is \$9,604.

This application is requesting \$7,203 in grant funding for the ammunition required for this course. The 25% cost match of \$2,401 would be funded through the Sheriff's Office budget.

Standard Legal Update:

This course will be taught by a practicing attorney familiar with the Monroe County Criminal Justice System. The cost for 3 sessions of 20 officers in each session is a flat rate of \$1,500.

As required by MCOLES, the Monroe County Prosecutor was consulted to determine if his office could provide an Assistant Prosecutor to teach the course. Unfortunately, given continued staff shortages, Monroe County Prosecutor Michael Roehrig advised it would not be possible for his office to conduct the training. Prosecutor Roehrig provided a letter for the file.

This application is requesting \$1,125 in grant funding for this course. The 25% cost match of \$375 would be provided from the Sheriff's Office budget.

SECTION 5 - APPLICANT PRIORITIES

Prioritize the components of your application in descending order. Include the GRANT COSTS and MATCH COSTS. Single topic applications should list priorities by sessions or category expenditures. If the application contains more than one training topic, prioritize by topic. If more than one grant application is being submitted by an agency, prioritize the list of applications. The applicant's list of priorities will be followed to the highest degree possible; however, Commission priorities take precedence over a grantee's priorities.

BE SURE TO PROVIDE ACTUAL COSTS FOR EACH TOPIC.

Copy and insert this page into your application as many times as needed.

Refer to Page 21 of the Grant Manual

HIGHEST TO LOWEST PRIORITY:

The Sheriff's Office 1st priority is Basic Patrol Rifle School and the required ammunition. Given the cost of this training, the Sheriff's Office would be unable to train 60 officers in one year. The Sheriff's Office feels strongly that this course addresses critical skills associated with MCOLES advisories: firearms standard, officer safety, and subject control. In addition, the course helps to reduce liability while training officers to effectively utilize the patrol rifle in responding to potentially violent crimes and offenders.

The Sheriff's Office 2nd priority is Standard Legal Update.

Course Topic Highest to Lowest	Grant Share	Match Share
Basic Patrol Rifle School	18,000	6,000
Ammunition	7,203	2,401
Standard Legal Update	1,125	375
Total	26,328	8,776

CERTIFICATE OF CONSORTIUM MEMBERSHIP

The Certifying Official shall be the individual who administers consortium activities and has the authority to act on behalf of the consortium. Attach paperwork supporting the Consortium Membership to this document.

Identification:

1. Applicant Agency:

2. Consortium:

Consortium:

3. Consortium Structure:

4. Geographic Region Served by the Consortium:

5. Member Agencies:

6. Financial Commitment from Member Agencies:

Certification:

I certify, on behalf of the consortium, the information contained in this document is complete, accurate and, in compliance with the requirements of the Michigan Commission on Law Enforcement Standards.

Printed Name of Certifying Official	Title of Certifying Official
Signature of Certifying Official	Date

Other consortium certification may be submitted as addendum files.

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

County of Monroe FY2021 Monroe County Annual Training Plan

2021 Proposed Budget Detail

TUITION
Cost per Student

Training Provider	Course	Number of Students	Cost per Student	Total Cost	Grant Share	Match Share
Tactical Encounters	Basic Patrol Rifle	60	\$ 400.00	\$ 24,000.00	\$ 18,000.00	\$ 6,000.00
Jan Landis -Chief Asst Prosecutor	Legal Update	60	\$ 25.00	\$ 1,500.00	\$ 1,125.00	\$ 375.00
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TOTAL TUITION				\$25,500.00	\$19,125.00	\$6,375.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
County of Monroe FY2021 Monroe County Annual Training Plan
 2021 Proposed Budget Detail

TRAVEL
 Employee

Course Employee Name	Mileage			Lodging			Breakfast		Lunch			Dinner			Airfare/ Other	Total Cost	Grant Share	Match Share	
	Miles	Rate 0.34	Total	#	Rate \$85.00	Total	#	Cost	Total	#	Cost	Total	#	Cost					Total
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TOTAL EMPLOYEE TRAVEL			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
County of Monroe FY2021 Monroe County Annual Training Plan
2021 Proposed Budget Detail

TRAVEL
Contractor

Course Contractor Name	Mileage			Lodging			Breakfast		Lunch			Dinner			Airfare/ Other	Total Cost	Grant Share	Match Share
	Miles	Rate 0.34	Total	#	Rate \$85.00	Total	#	Cost	Total	#	Cost	Total	#	Cost	Total			
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TOTAL CONTRACTOR TRAVEL			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
County of Monroe FY2021 Monroe County Annual Training Plan
 2021 Proposed Budget Detail

TRAVEL
Trainee

Course/Date Trainee Totals	Lodging			Lodging Total	Breakfast			Breakfast Total	Lunch			Lunch Total	Dinner			Dinner Total	Airfare/ Other	Total Cost	Grant Share	Match Share
	# Lodging	# Nights	Rate 85.00		# for B'fast	# of Days	Cost		# for Lunch	# of Days	Cost		# for Dinner	# of Days	Cost					
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TOTAL TRAINEE TRAVEL				\$0.00				\$0.00				\$0.00				\$0.00		\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
County of Monroe FY2021 Monroe County Annual Training Plan
2021 Proposed Budget Detail

SUPPLIES AND OPERATING

Course	Description	Quantity	Unit Price	Total Cost	Grant Share	Match Share
Basic Patrol Rifle	Rifle Ammunition 400 rds per	48	\$ 176.00	\$ 8,448.00	\$ 6,336.00	\$ 2,112.00
Basic Patrol Rifle	.40 ammunition 50 rds per	2	\$ 268.00	\$ 536.00	\$ 402.00	\$ 134.00
Basic Patrol Rifle	.45 ammunition 50 rds per	2	\$ 310.00	\$ 620.00	\$ 465.00	\$ 155.00
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TOTAL SUPPLIES AND OPERATING				\$9,604.00	\$7,203.00	\$2,401.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

County of Monroe FY2021 Monroe County Annual Training Plan

2021 Proposed Budget Detail

EQUIPMENT

Course	Description	Quantity	Unit Price	Total Cost	Grant Share	Match Share
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TOTAL EQUIPMENT				\$0.00	\$0.00	\$0.00
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MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
County of Monroe FY2021 Monroe County Annual Training Plan
2021 Proposed Budget Detail

Personnel	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Contractual	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Tuition	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 25,500.00	\$ 19,125.00	\$ 6,375.00	

Travel-Employee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Contractor	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Trainee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Supplies & Operating	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 9,604.00	\$ 7,203.00	\$ 2,401.00	

Equipment	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

GRANT TOTALS	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 35,104.00	\$ 26,328.00	\$ 8,776.00	

Percentage of Total Costs	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	75.0%	25.0%	

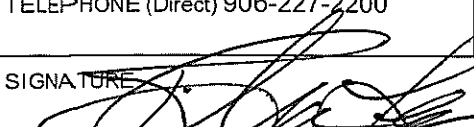
State of Michigan
MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
 Michigan Justice Training Competitive Grant Program
2021 GRANT APPLICATION

SECTION 1 - IDENTIFICATION

APPLICANT AGENCY Northern Michigan University		SIGMA ID/ADDRESS CODE CV0048727 / 006
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Marquette Michigan 49855		
TRAINING CONSORTIUM (if applicable) Northern Michigan University Public Safety Institute		
PROJECT TITLE (Limit 45 characters) LE Training Competitive Grant 2021		
START DATE January 1, 2021	END DATE December 31, 2021	GRANT FUNDS REQUESTED \$158,917.32

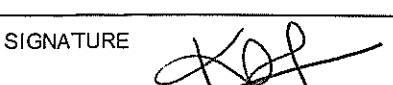
AUTHORIZED OFFICIAL (PERSON AUTHORIZED TO ENTER INTO AGREEMENTS)

X As the Authorized Official, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE R. Gavin Leach, Vice President for Finance and Administration	
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Ave. Marquette Michigan 49855	
TELEPHONE (Direct) 906-227-2200	E-MAIL ADDRESS gleach@nmu.edu
SIGNATURE 	DATE 5-15-2020


PROJECT ADMINISTRATOR (PERSON RESPONSIBLE FOR IMPLEMENTING AND REPORTING THE TRAINING)

X As the Project Administrator, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Kenneth D. Love Coordinator	
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Marquette Michigan 49855	
TELEPHONE (Direct) 906-227-1180	E-MAIL ADDRESS klove@nmu.edu
SIGNATURE 	DATE 5-15-2020

FINANCIAL OFFICER (PERSON RESPONSIBLE FOR GRANT ACCOUNTING)

X As the Fiscal Officer, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Jamie R. Beauchamp Controller	
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Ave. Marquette Michigan 49855	
TELEPHONE (Direct) 906-227-1102	E-MAIL ADDRESS jabeauch@nmu.edu
SIGNATURE 	DATE 5-15-2020

By authority of P.A. 302 of 1982, as amended
 Submission of this application is required to participate in this program.

Applications must be submitted to MCOLES via email to thelend15@michigan.gov no later than May 22, 2020.

State of Michigan
MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan Justice Training Competitive Grant Program
2021 GRANT APPLICATION

SECTION 1 - IDENTIFICATION

APPLICANT AGENCY Northern Michigan University		SIGMA ID/ADDRESS CODE CV0048727 / 006
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Marquette Michigan 49855		
TRAINING CONSORTIUM (if applicable) Northern Michigan University Public Safety Institute		
PROJECT TITLE (Limit 45 characters) LE Training Competitive Grant 2021		
START DATE January 1, 2021	END DATE December 31, 2021	GRANT FUNDS REQUESTED \$158,917.32

AUTHORIZED OFFICIAL (PERSON AUTHORIZED TO ENTER INTO AGREEMENTS)

X As the Authorized Official, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE R. Gavin Leach, Vice President for Finance and Administration		
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Ave. Marquette Michigan 49855		
TELEPHONE (Direct) 906-227-2200	E-MAIL ADDRESS gleach@nmu.edu	
SIGNATURE	DATE	

PROJECT ADMINISTRATOR (PERSON RESPONSIBLE FOR IMPLEMENTING AND REPORTING THE TRAINING)

X As the Project Administrator, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Kenneth D. Love Coordinator		
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Marquette Michigan 49855		
TELEPHONE (Direct) 906-227-1180	E-MAIL ADDRESS klove@nmu.edu	
SIGNATURE	DATE	

FINANCIAL OFFICER (PERSON RESPONSIBLE FOR GRANT ACCOUNTING)

X As the Fiscal Officer, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Jamie R. Beauchamp Controller		
STREET ADDRESS/CITY/ZIP 1401 Presque Isle Ave. Marquette Michigan 49855		
TELEPHONE (Direct) 906-227-1102	E-MAIL ADDRESS jabeauch@nmu.edu	
SIGNATURE	DATE	

By authority of P.A. 302 of 1982, as amended
Submission of this application is required to participate in this program.

Applications must be submitted to MCOLES via email to thelend15@michigan.gov no later than May 22, 2020.

SECTION 2 - PROJECT NARRATIVE

A. PROBLEM IDENTIFICATION

Describe the problem or issue the training is expected to address. Connect the proposed training to the documented need. Explain why this proposal should be grant funded.

Refer to Page 18 of the Grant Manual

Problem Statement

The Public Safety Institute (NMU PSI), located on the campus of Northern Michigan University, provides in-service law enforcement training for the law enforcement officers of the Upper Peninsula. Law Enforcement agencies including the Michigan State Police, Michigan Department of Natural Resources, United States Forest Service, Sheriff Departments, Michigan Department of Corrections and local police departments, look to the Public Safety Institute to evaluate, schedule and present in-service training for their personnel.

Participants in these training programs have included all ranks from patrol officers to chief administrators (Chiefs, Directors, Sheriffs and Post Commanders). The programs are directed at Act 302 eligible officers. However, if space is available, non-eligible officers are permitted to attend. The goal is to provide training to all levels of the law enforcement community in the Upper Peninsula. The trainees in our training programs range from Patrol Officers to Chiefs and Sheriffs.

Much of the training is specialized and therefore not cost effective for small agencies to provide for themselves. It is more effective to provide a trainer in proximity to pockets of departments in the Upper Peninsula than it is to send an officer to one central location or the Lower Peninsula for certain classes. In addition, these small agencies cannot afford to release officers for extended periods in order to attend training programs downstate. For an officer to attend a one-day training session downstate, it requires a minimum of three days away from the department. A one-day training session hosted by the Public Safety Institute would require just that, one day. It is more cost effective for the Public Safety Institute to bring the classes to the departments of the Upper Peninsula than it is to send officers downstate.

The Public Safety Institute coordinates its training schedule with the law enforcement agencies of the Upper Peninsula to insure the training needs are met. A survey is sent out and the results are used to develop the following year's training. This survey showed a common theme; more training locally. In an effort to accommodate departments scattered throughout the Upper Peninsula we have developed satellite training sites throughout the region and this has enabled the departments to send the majority of their department to a local training session. This reduces the financial burden on the agencies. This has been a positive comment in the survey process.

Training courses are chosen which meet the basic job tasks of patrol officers and their everyday duties as well as the MCOLES advisory standards. The courses will assist the patrol officer and their departments in becoming more efficient in the performance of these duties. Feedback from officers in previous years training is used to determine how these training needs can be met. The priority of the training is based on the most critical needs and essential job task analysis.

Precision Driving Update

This is a high liability area and is well attended. This is not just a driving course for cone avoidance, the training consists of a decision-making component, which the officer will use on a daily basis as a typical officer spends a good portion of their shift in the vehicle. The ability to train with “decision making” scenarios will have an immediate effect once the officer returns to their department. The NMU PSI will be offering this course at remote locations in the Upper Peninsula. This allows for departments to send officers both on and off shift and allows them to attend a four hour training without the cost of travel etc. There will be ten, four hour sessions offered at five locations throughout the Upper Peninsula of Michigan. If NMU PSI did not offer this course many officer’s may not have the opportunity to attend a driving refresher in their career

Legal Update

This program is the most sought after program the Public Safety Institute offers. We typically have about 80 percent of the officers in the Upper Peninsula attend this training. We have contacted all the prosecuting attorney’s in the areas we are going to offer this program and they all prefer we conduct the training. Most of the prosecutor offices have only one or two assistants and find themselves prosecuting most of the cases. They often attend the training with the officers to participate in the training. Without this funding, this training would not be done in a manner that updates everyone at the same level. The NMU PSI will be offering this course at remote locations in the Upper Peninsula. This allows for departments to send officers both on and off shift and allows them to attend a four hour training without the cost of travel etc. There will be nine, four hour sessions offered throughout the Upper Peninsula of Michigan and three, four hour sessions offered in Marquette.

The fifteen U.P. county prosecutors have been contacted on their opinion of the training. All responses have been extremely positive and reflect what a valuable course the legal update is.

Evidence Technician Refresher

This class provides updated information and skills associated to being an Evidence Technician. There are numerous Evidence Technicians throughout the Upper Peninsula. The ability to update their skills is essential in the collection and processing evidence for the region. Unfortunately, most departments still do not have evidence technicians and rely on neighboring agencies to assist with the collection and processing of evidence. The NMU PSI has adopted a policy which require Evidence Technicians to attend at least one refresher every three years to be considered active. There will be three, one day sessions offered in Marquette.

Beyond the Basics of Field Training Officer

Created specifically to address the needs of experienced FTO’s, this two-day class will re-energize and focus Field Training Officers that have experience training and evaluating trainees in the fields of Patrol, Corrections, and Communications. This course is not designed as a basic certification, but offers advanced remedial training techniques, insight into human behavior, discussions on leadership vs management, the FTO’s role on socialization and the importance of proper documentation.

NMU PSI hosted the Basic FTO School in 2017. It was the first FTO School offered in the U.P. in several years. The basic course was well received by officers and departments who sent personnel requested this advanced course.

NAFTO's Basic Field Training Officer School

The mass hiring trend of law enforcement officers in Michigan has drastically increased the number of "rookie" officers. Departments are also losing veteran officers to retirement, which in turn reduces the number of available FTO's. It is imperative that departments have properly trained FTO's to educate and evaluate these new officer's. NAFTO is a nationally recognized model for preparing experienced patrol officers for a career in field training. The course focuses on the FTO themselves, and how they can improve their interpersonal and instruction skills to increase Officer in Training (OIT) retention. The last FTO School offered in the region was in 2017.

Glock – Armorer Certification/Re-Certification

A program designed to certify and re-certify individuals as Glock Armorers. The program content focuses on the mechanical functioning, maintenance, troubleshooting and field repair of the Glock pistol line. This is a hands on program that teaches and guides each participant through all armorer operations systematically with the instructors. Active participation in disassembly and assembly procedures coupled with question and answer periods provide the type of learning environment favorable to the retention of the material.

The curriculum enables armorers to develop a pistol maintenance program on the inspection and servicing of the Glock for their department. Following successful completion of the program, certification/re-certification to perform these procedures is valid for a period of three (3) years. This is of major importance to the agency as it maintains current practices and procedures for factory authorized maintenance on law enforcement pistols within the department.

We last provided the training in 2018 so the current instructor's certification will run out in 2018. We have a cohort of students that will need to be updated on this training. Along with new officers that have taken on the role of armorer for their department. Glock is the sole provider of this training and assigns instructors based on region. A survey was conducted in April 2020. There were up to 40 officers that needed re-certification or wanted to become certified as a Glock Armorer. Due to these numbers two sessions will be held in Marquette.

Law Enforcement Response to Active Shooter Re-Certification

In 2010 several officers attended an active shooter response instructor course put on by Strategos International. The course was offered through a grant from U.P. Emergency Management. Officers from many of the U.P counties attended the original instructor course. The system is widely taught throughout the region and has received very positive evaluations from officers attending the basic course. The system is easy to learn and to put to practical application. There has been no re-certification course offered since 2017.

Tactical Firearms Instructor Course

The NMU Public Safety Institute has not offered a Firearms Instructor Course since 2014. Due to personnel turn over in departments there has been requests to train new instructors. The course allows a department to have in-house firearm trainers which assist in keeping the agency compliant with all current MCOLES firearm requirements.

Colt M/16 –AR-15 Armorer's Training (Rifles-Carbines- Sub Machine Guns)

A program designed to certify /re-certify individuals as Colt M16 /AR-15 family of weapons armorers. Each graduate will gain a complete understanding of the design theory, nomenclature, dynamics, compatibility, interchangeability, detailed disassembly, assembly, maintenance and troubleshooting of the M/16 and AR-15 family of weapons including rifles, carbines, and submachine guns.

We have a cohort of students that will need to be updated on this training along with new officers that have taken on the role of armorer for their department. 2017 was the last time this course was offered locally.

Street Crime Seminar

A 3-day seminar covering many skills utilized by the law enforcement “street cop”. The class covers many of the MCOLES Advisory Standards concerning officer safety, liability, use of force and many other topics. The instructors bring an awareness of many crime trends in urban areas to the rural law enforcement officers. This is valuable information and information local officers may not receive otherwise. Many of the skills taught at this program are immediately usable by the attendees.

Many departments are unable to send officers to three-day training due to financial constraints and low staffing levels. By offering this class in remote locations in the Upper Peninsula officers may attend at far less cost to departments. The course will be offered in three sessions, one session each in the Eastern, Central and Western portions of the U.P.

REID Technique of Investigative Interviewing and Advanced Interrogation (Basic and Advanced)

Ineffective interviewing and interrogation is another problem with the mass number of young officers. Each year a Reid basic and advanced course are hosted by the NMU PSI. The classes are well attended, however, there are still financial and manpower issues in sending an officer to a four day course in Marquette or Lower Michigan.

This course will significantly enhance interviewing and interrogation skills, and subsequently increase the ability to successfully resolve investigations. The course will be offered in three sessions, one session each in the Eastern, Central and Western portions of the U.P. The four day course combines both basic and advance to further save departments money on travel and overtime.

SECTION 2 - PROJECT NARRATIVE

B. TRAINING OBJECTIVES

Describe the subject matter for each course/topic. Provide global objectives in terms of outcomes, stating what the trainees are expected to know and do as a result of this training.

Refer to Page 18 of the Grant Manual

Precision Driving

A four (4) hour program designed to refresh participants understanding of safe and competent emergency vehicle operation within the parameters of the motor vehicle code, state law and department policy.

Upon completion of the program participants will be able to:

- Know Michigan Law as it relates to emergency vehicle operation
- Operate a vehicle in conformance with the statutes
- Demonstrate the ability to operate a vehicle within physical limitations
- Operate a vehicle in a defensive manner, anticipating unusual or unexpected occurrences
- Demonstrate the operational differences in a vehicle when operated during adverse environmental conditions.
- Demonstrate the ability to operate a vehicle safely under emergency conditions.
- Make informed decisions as to when to engage and disengage in high-speed pursuit

The program is designed to be a refresher course consisting of two segments. The first segment includes one and a half (1.5) hours of direct instructor lecture, question and answer, and video presentations (changed yearly). The second segment includes two and a half (2.5) hours of behind the wheel hands-on driving in a controlled environment. The driving portion utilizes MCOLES accepted driving courses and is supervised by a range technician on a one-on-one basis. The participants will be assessed on their ability to complete the exercises as required. The MCOLES assessment form utilized in the Basic Training program will be completed and sent to the participant's department.

Legal Update

A four (4) hour program designed to make officers aware of the latest changes in the State and Federal laws which they enforce and govern their actions. (4 hour combination material presentation, question and answer, and discussion)

Upon completion of the program participants will be able to:

- Demonstrate knowledge of recent changes in Federal and State laws, case law and legal opinions as they apply to the daily duties as performed by law enforcement officers. Demonstrate knowledge of recent changes in Federal and State court procedures as they apply to the duties performed by law enforcement.
- Understand how to perform their duties with a complete understanding of the laws.
- Reduce exposure to litigation because they are aware of the changing law

Local Prosecutors also attend and are in full support of this training from the surrounding counties.

Evidence Technician Refresher

An eight (8) hour program designed to teach participants new or improved methods of evidence collection, preservation, packaging and health related concerns. The program will also evaluate the participant's ability to process a crime scene correctly.

Upon completion of the program participants will be able to:

- Demonstrate methods in the location, photographing, collection, preservation and packaging of evidence
- Demonstrate the ability to work within the legal considerations and limitations of crime scene investigation and search warrant.
- Demonstrate the ability to use evidence collection techniques and skills.
- Demonstrate the proper techniques of processing a crime scene.
- Know how to make effective lab submissions.

There is usually a specialty theme the instructor chooses prior to each course. This will include scenarios and hands on activities.

Beyond the Basics of Field Training Officer

This eighteen hour (18) hour is not designed as a basic certification, but offers advanced remedial training techniques, insight into human behavior, discussions on leadership vs management, the FTO's role on socialization and the importance of proper documentation.

Upon completion of the program participants will be able to

- Demonstrate Generational Leadership
- Know Remedial Training Techniques
- Know Socialization and Department Culture
- Know Liability Reduction
- Know Career Survival
- Understand Intro to FTO Management

Going even further beyond the basics of Field Training, this two-day course will also provide insight on the various concepts and methodologies surrounding the idea of managing an FTO program. How can the FTO or the unit manager have influence over program productivity and efficiency? In what way can the FTO improve upon their own performance? How crucial is the culture of your FTO program to department-wide ethics? How can you tie up loose ends in the realm of liability to avoid costly law suits? Day 2 of this advanced class will offer answers to these questions and give the student a glimpse into managing the FTO and the FTO program.

NAFTO's Basic FTO School

This twenty four (24) hour course is a nationally recognized model for preparing experienced patrol officers for a career in field training. The course focuses on the FTO themselves, and how they can improve their interpersonal and instruction skills to increase Officer in Training (OIT) retention. The classes incorporate a variety of learning activities, including case law discussion and video scenarios.

Upon completion of the program participants will be able to

- Understand Adult Learning
- Demonstrate Generational Leadership
- Know Standardized Evaluations Guidelines
- Understand Ethics as they relate to the topic
- Have a working knowledge of Equal Opportunity Employment
- Have a working knowledge of Civil Liability
- Understand and demonstrate Officer Safety

Each block of study is directed at the Field Training Officer, and ways to improve their teaching, work product, and approach to today's Officer in Training. Information includes motivating different generations of trainees, career survival for the FTO, and case law review pertaining to evaluations.

Glock – Armorer Certification/Re-Certification

An eight (8) hour program designed to certify and re-certify individual as Glock Armorers. The program content focuses on the mechanical functioning, maintenance, troubleshooting and field repair of the Glock pistol line. This is a hands on program that teaches and guides each participant through all armorer operations, systematically with the instructors. Active participation is disassembly and assembly procedures coupled with question and answer periods provide the type of learning environment favorable to the retention of the material.

The curriculum enables armorers to develop a pistol maintenance program on the inspection and servicing of the Glock for their department. This major importance to the agency as it maintains current practices and procedures for factory authorized maintenance on law enforcement pistols within the department.

Upon completion of the course participants will be able to:

- Demonstrate the ability to disassemble, assemble, and maintain the Glock pistol line
- Develop and maintain an inspection and servicing schedule for their department.
- Know the importance of a properly functioning weapon.
- Troubleshoot any problems that may occur with their department weapons

Law Enforcement Response to Active Shooter Re-Certification

The sixteen (16) hour Instructor Recertification will be offered to up to 30 previously certified Strategos Instructors. Attendees will take the learned skills back to their respective agencies and develop an effective response to active violence.

Upon completion of the course participants will be able to:

- Review of incidents to understand trends in active violence
- Establish a Rescue Task Force
- Establishing a Casualty Collection Point
- Understand/Demonstrate Arrival on scene and establishing a foothold
- Understand/Demonstrate Movements for 1-5 personnel
- Understand/Demonstrate Room entry and clearing
- Demonstrate Suspect control during an incident

Students will also be given updated power point presentations and become proficient in the presenting the new information.

Tactical Firearms Instructor Course

A forty (40) hour Tactical Firearms Course for up to 20 students. The 3-gun Tactical Firearms instructor course also includes coaching and training sessions designed to assist students in making departmental presentations or training other officers in practical firearms skills.

Upon completion of the course participants will be able to:

- Know Liability Issues
- Know Case Law and Precedent
- Demonstrate Instructional Techniques
- Know Coaching Beyond Fundamentals
- Know how to Prepare Incident Action/Safety Plans
- Know how to Create Lesson Plans
- Know how to Manage Difficult Trainees
- Demonstrate Classroom and Range Presentations
- Know how to Design Training for Your Agency
- Run a Safe Range at Night

Colt M/16 –AR-15 Armorer’s Training (Rifles-Carbines- Sub Machine Guns)

A sixteen (16) hour program designed to certify /re-certify individuals as Colt M/16 and AR-15 armorers. Each graduate will gain a complete understanding of the design theory, nomenclature, dynamics, compatibility, interchangeability, detailed disassembly, assembly, maintenance and troubleshooting of the M/16 and AR-15 family of weapons including rifles, carbines, and submachine guns.

At the completion of the course participants will be able to:

- Demonstrate the ability to disassemble, assemble, and maintain the M16/AR-15 family of weapons.
- Develop and maintain an inspection and servicing schedule for their department.
- Know the importance of a properly functioning weapon.
- Troubleshoot any problems that may occur with their department weapons

Street Crimes Seminar

A twenty four (24) hour seminar on multiple law enforcement topics. The course covers First Responder Hostage Negotiating, Surviving Police Ambushes, Deadly Force Encounters, Realistic Interview Techniques, Homeland Security Issues, Officer Safety, Surveillance Techniques, Gang and Drug Investigation, Cultivating Confidential Informants, Street Smart Intelligence Gathering, Interrogation Tactics, and Car Traps, Hidden Compartment, Search Procedures. It is the intent of this program that officers will take away skills and information they may not otherwise receive without the training.

At the completion of the program participants will be able to:

- Know Critical Decision making during hostage situations
- Know Survival skills for police ambush
- Be mentally prepared for Deadly Force Encounters (pre and post incident)

- Develop realistic Interview and interrogation tactics
- Develop an awareness of officer safety (Red Flags, safety concerns on and off duty)
- Understand key components to surveillance techniques, cultivating informants and street smart intelligence gathering
- Recognize Gang and Drug activity
- Be aware of car traps, hidden compartments and search procedures

REID Technique of Investigative Interviewing and Advanced Interrogation:

A thirty two (32) hour course where students will learn skills that will significantly enhance their interviewing and interrogation skills, and subsequently increase their ability to successfully resolve investigations.

At the completion of the program participants will be able to:

Day 1 - Behavior Symptom Analysis:

During this segment of the course we discuss the verbal and nonverbal behavior symptoms that are displayed by a person who is telling the truth during a non-accusatory interview, as well as those displayed by a person who is withholding or fabricating relevant information. The specific behaviors discussed include attitude; posture; significant posture changes; grooming, personal and protective gestures; eye contact; and, verbal responses. The ability to recognize and evaluate these behaviors becomes particularly important in those cases in which the available investigative information does not definitively establish the credibility of the subject. At the conclusion of this segment, the participant will have a behavioral model for both the truthful and deceptive individual that can be used for subject evaluation in future investigative interviews.

Day 2 - REID Behavior Analysis Interview:

Most investigative interviews consist of two types of questions – investigative and behavior provoking. Investigative questions concern the subject's version of events, alibi or activities at the time in question, developed by the traditional who, what, where, when, why and how type of questions. Behavior provoking questions are ones that are used to assess the subject's truthfulness by evaluating the nature of their response. Truthful people answer the behavior provoking questions one way, while a deceptive person usually offers a different verbal response. During this segment we will discuss how to phrase and ask the behavior provoking questions, and describe the type of answers to anticipate from the truthful and deceptive individuals.

Days 3 & 4 - REID Nine Steps of Interrogation plus Advanced Techniques:

In this segment we will discuss the interrogation process, beginning with how to initiate the confrontation; develop the interrogational theme; stop denials; overcome objections; and use of the alternative question to stimulate the admission. Advanced course content topics include various stages of the interrogation process, including the Defiant Stage, the Neutral Stage and the Acceptance Stage, as well as how to identify the suspect's needs that may have motivated his commission of the crime (real, impulse, esteem and lifestyle needs) that in turn need to be addressed during the interrogation process.

SECTION 2 - PROJECT NARRATIVE

C. TRAINING METHODS

Describe how the training will be delivered for each course/topic. Identify program developers and instructors and describe their qualifications. Outline the method(s) of presentation. Include the hours of training and where the training will occur. Describe the training materials that will be developed or provided.

Refer to Page 19 of the Grant Manual

Precision Driving Update:

A four (4) hour program designed to refresh participants understanding of safe and competent emergency vehicle operation within the parameters of the motor vehicle code, department policy and physical limitations. The course includes classroom lecture with discussion on current legal issues, case studies and decision making pertaining to current day topics. The classroom portion of the class includes power point presentation, video and lecture, which encourage discussion among the attendees. This section of instruction is based on the interactive learning theory. The classroom portion is updated and refreshed every year.

The skill portion of the course consists of decision making under stressful conditions to allow the student to know how they will react if and when they encounter similar situations while on patrol. The participants are allowed to practice until they feel comfortable with their physical limitations and those limitations of the emergency vehicle they are operating. The instructors provide detailed feedback to the student on their performance and offer positive instruction so the student feels they can take the skills learned on the track and apply it to situation they may encounter while on the road.

Driving Instructors:

Dean Rushford – Deputy Marquette County Sheriff’s Office/Range Technician/Off Road Track Driver/Program Developer and Content Research.

Jeff Mincheff – NMU Public Safety Police Capt. /State Certified Driving Instructor

Ken Love – NMU Public Safety Lieutenant/Range Technician

Tom Parks – NMU Public Safety Officer/Range Technician

Colby Lang – NMU Public Safety/Range Technician

Trey Luce – Michigan EPA/State Certified Driving Instructor

Kyle Piatt – Escanaba PD/State Certified Driving Instructor

Additional Instructors are listed in-case an emergency replacement is needed. The intent is to use three instructors under personnel. Any change would be reflected in a budget adjustment request.

Legal Update Training

A four (4) hour program designed to make the officers aware of the latest changes in the laws, which they enforce, and which govern their actions. The class promotes interaction between instructor and students and allows for several question and answer periods. The instructor also has group discussions on current topics and allows for the sharing of student experiences

The lead instructor for this program is Mr. Matt Wiese, Chief Prosecuting Attorney for Marquette County. Mr. Wiese’s time is allocated between in-class instruction and preparation of the manual utilized which has to be researched and developed each year. This program has the same name but

is considered a new program due to the need to research and production of the Legal Update manual. We are requesting twelve (12) hours of development time for this program. The program is four (4) hours in length and is an instructor lecture, question and answer type presentation. The presentation follows a training manual, which provides reference material after the program. The program will be presented nine (9) times throughout the Upper Peninsula.

The locations will be one (1) in Baraga, one (1) in Ironwood, one (1) in Menominee, one (1) in Manistique, one (1) in Munising, one (1) in Sault Ste Marie, and one (1) in Norway, one (1) in Houghton and one (1) in Escanaba,

There will also be three (3) sessions of Legal Update in the Advanced Law Enforcement Training Marquette. The administrators have requested Legal Update be included in these blocks to make scheduling easier.

The training material developed and produced for this specific program is the Legal Update manual. **This manual is imperative to the training. Due to budget restrictions, the manual is distributed electronically to each department in the Upper Peninsula.** Mr. Wiese also prepares an interactive power point presentation with information and examples of cases.

Legal Update Instructors:

Matthew Wiese – Chief Prosecuting Attorney Marquette County

Andrew Griffin – Assistant Chief Prosecuting Attorney Marquette County

Jill Simms- Assistant Prosecuting Attorney Marquette County

Evidence Technician Refresher

An eight (8) hour course provides both classroom lecture, hands on, and scenario based training. The classroom portion consists of lecture, power points presentations, videos, and question and answer sessions. The instructors discuss previous cases and how they pertain to the role of the evidence technician.

Participants are required to perform the techniques discussed and demonstrated in the classroom. The instructors work closely with the students to ensure the proper techniques are retained. The students are allowed to try several different techniques so that they are able to replicate them if and when they come across similar situations during the performance of their duties. Crime scene scenarios will be used to allow technicians to utilize different skills and have hands-on familiarization with equipment and supplies they will be using on real cases.

Evidence Technician Instructors:

Lisa Oravetz – MSP Crime Lab Technician/ Biologist

Subject matter experts are also brought in depending on topics. (no cost to grant)

Beyond the Basics of Field Training Officer

An eighteen (18) hour course designed to enhance the effectiveness of the field training officer. The course offers advanced remedial training techniques, insight into human behavior, discussions on leadership vs management, the FTO's role on socialization and the importance of proper documentation. Instruction will consist of case study, video analysis, lecture and power point. There will be table top exercises for the current FTO's to talk through and discuss.

Beyond the Basics of Field Training Officer Instructor:

Instructors will be assigned by NAFTO

NAFTO's Basic FTO School

A twenty four (24) hour course designed to develop field training officers. NAFTO's Basic FTO is a nationally recognized model for preparing experienced patrol officers for a career as FTO's. The course focuses on the FTO themselves, and how they can improve their interpersonal and instruction skills to increase Officer in Training (OIT) retention. The classes incorporate a variety of learning activities, including case law discussion, lecture, power point and video scenarios.

NAFTO's Basic FTO School Instructor:

Instructors will be assigned by NAFTO

Glock – Armorer Certification/Re-Certification

An eight (8) hour program designed to certify and re-certify individual as Glock Armorers. The program content focuses on the mechanical functioning, maintenance, troubleshooting and field repair of the Glock pistol line. This is a hands on program that teaches and guides each participant through all armorer operations, systematically with the instructors. Active participation is disassembly and assembly procedures coupled with question and answer periods provide the type of learning environment favorable to the retention of the material.

The curriculum enables armorers to develop a pistol maintenance program on the inspection and servicing of the Glock for their department. Following successful completion of the program, certification/re-certification to perform these procedures is valid for a period of three (3) years.

The class is hands on with direction from the instructor. The students are allowed to perform the required techniques until they feel comfortable. The instructor uses power point, lecture and handouts to assist the participants in retention of the skills. The students will be provided a manual to further assist them when they leave the class.

Glock – Armorer Certification/Re-Certification

Glock will assign a regional instructor.

Law Enforcement Response to Active Shooter Re-Certification

A sixteen (16) hour course which will recertify Strategos Active Shooter Response Instructors. Instruction will include lecture, video and power point presentations. Students will be required to learn and teach new information gathered since last certification or recertification.

Trainers will conduct force on force scenarios with video review of various lessons to be learned. Strategos will provide the force on force equipment (Helmet/Mask, guns, ammo and gas for the guns). The student will need to provide their personal equipment such as gloves and groin protection. Upon successful completion each student will receive a flash drive with presentation materials for the course.

Law Enforcement Response to Active Shooter Re-Certification

Strategos International will assign regional instructors

Tactical Firearms Instructor Course

A forty (40) hour Tactical Firearms Course for up to 20 students. The 3-gun Tactical Firearms instructor course also includes coaching and training sessions designed to assist students in making departmental presentations or training other officers in practical firearms skills. Instruction will include class room lecture, power point, hands on practical skills and live fire range activities. This training is consistent with the adult learning concept with immediate feedback by the Master firearm's instructor to ensure the techniques and skills are consistent with the policies and procedures set by MCOLES.

MCOLES current fire arms standards will be emphasized. Moving of the X, moving and shooting, close quarter combat and pre-service/in-service

Tactical Firearms Instructor Course

Startegos International will assign regional instructors

Colt M/16 –AR-15 Armorer’s Training (Rifles-Carbines- Sub Machine Guns)

A sixteen (16) hour program designed to certify /re-certify individuals as Colt M/16 and AR-15 armorers. Each graduate will gain a complete understanding of the design theory, nomenclature, dynamics, compatibility, interchangeability, detailed disassembly, assembly, maintenance and trouble- shooting of the M/16 and AR-15 family of weapons including rifles, carbines, and submachine guns.

The class is hands on with direction from the instructor. The students are allowed to perform the required techniques until they feel comfortable. The instructor uses power point, lecture and handouts to assist the participants in retention of the skills. The students will be provided a manual to further assist them when they leave the class.

Colt M/16 –AR-15 Armorer’s Training (Rifles-Carbines- Sub Machine Guns) Instructor:

Colt will assign a regional instructor

Street Crimes Seminar

The twenty four (24) hour seminar will include lecture, PowerPoint, videos and class discussion. Students will view actual police videos in the related topics and discuss the content to develop “do’s” and “don’t’s” for each topic. The instructor provides many real life situations he experienced throughout his 33 year career. The students also offer their experience and adapt the taught skills to regional problems.

The course will be offered in 3 locations, in Western, Central and the Eastern U.P. These areas were chosen do to the higher population of law enforcement officers and to ease the financial burden on agencies.

Street Crimes Seminar Instructor

Dan Sampila – Retired Chicago PD Lieutenant 33+ years

REID Technique of Investigative Interviewing and Advanced Interrogation

A thirty two (32) hour course that uses lecture, power points and video to provide the fundamentals necessary to conduct a proper interview and interrogation. Open discussion and case analysis will allow students to see what works and what does not. These learned skills will provide a structured frame of reference for those interviewers who have some experience but also may not have had any formal training in the area. Each student will be provided a manual to use as reference after completing the course.

REID Technique of Investigative Interviewing and Advanced Interrogation

Instructors will be assigned by Reid and Associates.

SECTION 2 - PROJECT NARRATIVE

D. EVALUATION

In addition to participant feedback, describe how the participants will be evaluated on their acquisition of knowledge for each course/topic.

Refer to Page 19 of the Grant Manual

In addition to the student evaluations at the conclusion of each training session, the staff will conduct an evaluation with each of the instructor(s) to ascertain whether or not they felt the course objectives had been met. While some courses will have the ability to objectively test the knowledge and skills learned adult learning principles will be utilized to ensure the participants can demonstrate that the course objectives were met and that the intended outcomes were accomplished.

Precision Driving Update Course

The evaluation methods developed for this program include immediate feedback (by the instructor and range technicians) during the driving courses and utilization of the skills learned to complete the driving courses with 100 percent effectiveness. This includes not striking any cones, losing control of the vehicle or placing the vehicle in a collision avoidance situation. We follow the MCOLES qualification standards used in the MCOLES approved academies. The MCOLES assessment form is utilized and will be sent to the agency's department head for their review. The evaluation methods will ensure objectives of this program have been met.

Legal Update Training

The evaluation methods developed for this program include in-depth discussion of new and current legislation and how it pertains to the everyday activities of local law enforcement officers. These sessions have sparked lively discussion regarding the information provided. These discussion and question/answer sessions have effectively measured the objectives for this program.

Evidence Technician Refresher

The participants of the program will be evaluated on their ability to properly process, locate, photograph, collect, preserve and package evidence. There will be a review of certain skills (each year there is a different area of emphasis). Success of the course is determined by the quality of evidence being turned in to the crime lab as well as the preservation and presentation of evidence being submitted to local prosecutor's offices in the region.

Beyond the Basics of Field Training Officer

The participants in the course will be evaluated on the understanding of the course material and philosophy of the FTO program. There will be discussions on success and failures associated with the current FTO's who attended the FTO Basic course. The long-term evaluation will be based on the quality of training and success new officers have at their departments after completing the FTO program.

NAFTO's Basic FTO School

The participants in the course will be evaluated on the understanding of the course material and philosophy of the FTO program. Their performance will also be evaluated during table top discussions and scenarios. The long-term evaluation will be based on the quality of training and success new officers have at their departments after completing the FTO program

Glock – Armorer Certification/Re-Certification:

Students must be able to pass a written exam with 80%. They will also be required to trouble shoot problems with different firearms and resolve the problems. The student must be 100% accurate on the functioning parts of different firearms.

Law Enforcement Response to Active Shooter Re-Certification

Students will be evaluated and critiqued during scenarios. Corrections will be immediately made to assure the proper understanding of the skills. The NMU PSI will conduct follow-up dialog with administrators from departments to assure the skills are being taught to their officers. It is the NMU PSI goal to have all agencies utilizing similar techniques when responding to active violence incidents. It has been our experience that officers from different jurisdictions have been able to respond and insert themselves immediately into the response, because of the commonality of technique being taught in our region.

Tactical Firearms Instructor Course

The Students will be evaluated and critiqued during range use. Corrections will be immediately made to assure the proper understanding of the skills. There is the utmost emphasis on range safety. Students are constantly quizzed and questioned on range safety, what “could” go wrong and how to avoid those situations. The students will need to be proficient on the MCOLES pre-service and in-service qualification course. The student will have to pass a standards and qualifying course themselves prior to the conclusion of the course.

Colt M/16 –AR-15 Armorer’s Training (Rifles-Carbines- Sub Machine Guns)

The written test for Colt armorers has been eliminated. They will be required to trouble shoot problems with different firearms and resolve the problems. The student must be 100% accurate on the functioning parts of different firearms.

Street Crimes Seminar

The evaluation methods developed for this program include utilization of the information provided during scenario based discussions and critique sessions. These discussions will lead to officers having an enhanced awareness of officer safety and of law enforcement topics they otherwise may not receive information on without the training. The true test of the evaluations will be how the officers take the information and skills learned in class and adapt them to their everyday duties.

REID Technique of Investigative Interviewing and Advanced Interrogation

The evaluation method for this program includes active discussion and critique of interview and interrogation methods during video scenarios and previous case studies. The students will offer solutions to difficult cases and make decisions on the best method of interviewing or interrogation. The true test of the effectiveness of the learned methods will come when officers apply the techniques and skills during the course of their duties. Successful case resolution will inevitably be the measure of how well students retain the skills presented in the course.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title Precision Driving Update			
Training Location Houghton, Ironwood, Iron Mountain, Menominee, Sault Ste Marie			
Maximum Participants 12 per session	Minimum Participants (2/3 of Max) 8 per session	Hours of Training Per Session 4	Number of Sessions 10

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$10,059.12	\$10,059.12	\$
Contractual Services	\$2,820.00	\$2,820.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$11,440.00	\$11,440.00	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$2,431.912	\$2,431.912	\$
Total Course Costs	\$24,319.12	\$24,319.12	\$

NOTES:

The NMU PSI is requesting funds for traffic cones (\$630.00) and marking paint (\$100.00). With the gradual reduction of grant funds over the years we have been forced to use and repair equipment. The cones we are currently using are in bad condition and have been taped, glued and many are beyond repair.

Funding for three instructors from personnel (\$8,942.40) and one from contractual (\$2,400.00) are being requested.

The NMU PSI utilizes rental vehicles from DTMB to minimize the wear and tear on departmental vehicles. Rental for five vehicle will be requested for a one month period. Mileage for maintenance, travel and training are also being requested. (\$10,710.00)

It should be noted the NMU PSI does everything possible to register everyone wishing to attend training. This often means increasing the maximum number of participants. There is no additional cost associated with these decisions.

Twelve hours of development time will be requested for Lead Instructor Dean Rushford for lecture and power point development (\$420.00).

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Leal Update			
Training Location (1) in Baraga, one (1) in Ironwood, one (1) in Menominee, one (1) in Manistique, one (1) in Munising, one (1) in Sault Ste Marie, and one (1) in Norway, one (1) in Houghton and (1) in Escanaba and (3) in Marquette			
Maximum Participants Unlimited	Minimum Participants (2/3 of Max) 12 per session	Hours of Training Per Session 4	Number of Sessions 12

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$4500	\$4500	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$500.00	\$500	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$509.72666	\$509.72666	\$
Total Course Costs	\$6,116.72	\$6,116.72	\$

NOTES:

The instructor(s) cover their own travel and expenses. Funds for instruction under contractual are being requested (\$3,600.00) Twelve hours of course development will be requested for Mr. Wiese for manual and power point development (\$900.00).

Funds for class room rental at remote locations is being requested (\$500.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Evidence Technician Refresher			
Training Location Marquette			
Maximum Participants 20 per session	Minimum Participants (2/3 of Max) 13	Hours of Training Per Session 8	Number of Sessions 3

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$12,381.00	\$12,381.00	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$4,499.24	\$4,499.24	\$
Total <i>Course</i> Costs	\$13,497.72	\$13,497.72	\$

NOTES:

There are no instructor wages requested for this course. Supplies are provided to students to practice skills and participate in scenario training. Requiring departments to utilize their own evidence tech supplies for training would be a severe financial burden to them. Because grant funds have not been available the past several years, the NMU PSI has exhausted its evidence technician course supplies. Funds for evidence collection and processing supplies is being requested (\$12,381.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Beyond the Basics of Field Training Officer			
Training Location Marquette			
Maximum Participants Unlimited	Minimum Participants (2/3 of Max) 15	Hours of Training Per Session 18	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$5,625.00	\$5,625.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$6,741,72	\$6,741,72	\$
Total Course Costs	\$6,741,72	\$6,741,72	\$

NOTES:

The National Association of Field Training Officers is the provider for this training. The NMU PSI has previously contracted with NAFTO for similar training. Funds for a flat fee are being requested (\$5,625.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Basic Field Training Officer			
Training Location Marquette			
Maximum Participants Unlimited	Minimum Participants (2/3 of Max) 15	Hours of Training Per Session 24	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$8,200.00	\$8,200.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$9,316.72	\$9,316.72	\$
Total <i>Course</i> Costs	\$9,316.72	\$9,316.72	\$

NOTES:

The National Association of Field Training Officers is the provider for this training. The NMU PSI has previously contracted with NAFTO for similar training. Funds for a flat fee are being requested (\$8,200.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Glock Armorer			
Training Location Marquette			
Maximum Participants 20 per session	Minimum Participants (2/3 of Max) 13 per session	Hours of Training Per Session 8	Number of Sessions 2

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$10,000.00	\$10,000.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$5,558.36	\$5,558.36	\$
Total Course Costs	\$11,116.72	\$11,116.72	\$

NOTES:

Glock is the lone provider for this training certification and re-certification. Funds for a flat fee are being requested for two sessions (\$10,000.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title
Law Enforcement Response to Active Shooter Instructor Re-Certification

Training Location
Marquette

Maximum Participants 30	Minimum Participants (2/3 of Max) 20	Hours of Training Per Session 16	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$14,500.00	\$14,500.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$15,616.72	\$15,616.72	\$
Total Course Costs	\$15,616.72	\$15,616.72	\$

NOTES:

Strategos International is the sole provider of this training system recertification. Funds for a flat fee are being requested (\$14,500.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Tactical Firearms Instructor Course			
Training Location Marquette			
Maximum Participants 20	Minimum Participants (2/3 of Max) 13	Hours of Training Per Session 40	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$14,000.00	\$14,000.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$15,116.72	\$15,116.72	\$
Total Course Costs	\$15,116.72	\$15,116.72	\$

NOTES:

Funds for a flat fee are being requested (\$14,000.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Colt Armorer			
Training Location Marquette			
Maximum Participants 20	Minimum Participants (2/3 of Max) 13	Hours of Training Per Session 16	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$10,000.00	\$10,000.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$11,116.72	\$11,116.72	\$
Total Course Costs	\$11,116.72	\$11,116.72	\$

NOTES:

Colt is the sole provider of this certification/re-certification. Funds for a flat fee are being requested (\$10,000.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Street Crimes Seminar			
Training Location One session each in the Western, Central and Eastern U.P. (TBD)			
Maximum Participants 30	Minimum Participants (2/3 of Max) 20	Hours of Training Per Session 24	Number of Sessions 3

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$14,400.00	\$14,400.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$5,172.24	\$5,172.24	\$
Total <i>Course</i> Costs	\$15,516.72	\$15,516.72	\$

NOTES:

Street Crimes Pat McCarthy is sole provider of this training. Locations will be determined on availability. Funds for a flat fee for three sessions is being requested (\$14,400).

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

Course Details

Course Title Reid Technique of Investigative Interview and Advanced Interrogation			
Training Location One session each in the West, Central and Eastern U.P. (TBD)			
Maximum Participants 20	Minimum Participants (2/3 of Max) 13	Hours of Training Per Session 32	Number of Sessions 3

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,116.72	\$1,116.72	\$
Contractual Services	\$29,325.00	\$29,325.00	\$
Tuition	\$	\$	\$
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$10,147.24	\$10,147.24	\$
Total <i>Course</i> Costs	\$30,441.72	\$30,441.72	\$

NOTES:

Reid and Associates are the sole provider of this training. Locations will be determined on availability. Funds for a flat fee for three sessions of the basic and advanced course are being requested (\$29,325.00)

Eight percent (8%) the total cost of the grant has been divided by the eleven courses requested and assigned to each course for administration costs (\$1,116.72)

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

Budget narratives have been prepared for each of the courses offered in this grant request and appear behind each cost justification. This will outline the individual costs associated with the courses. If it were not for the funding of Michigan Commission on Law Enforcement Standards training funds, this training would not be possible. Due to the small agencies throughout the region, attending these types of training outside of the Upper Peninsula would not be feasible. There is also a need to take some of the programs to desired regions due to under staffing and the financial stress on departments to send their officers out of town for training.

In-Kind Services

University funded position whose job duties include conducting of in-service training for the law enforcement community.

Kenneth D Love	Coordinator	\$27,320.44
Darlene Kyto	Assistant	\$14,700.50
Michael Bath	Director	\$8,175.94

Other In-Kind includes room and audio/visual rental for on campus programs, telephone services computer rental, and refreshments. These expenses are not included in the grant request and will be covered by other funds. Total. \$3,526.00

Precision Driving Update

The funding requested for this program is determined as follows:

The NMU PSI will now be offering the course at remote locations, Iron Mountain, Houghton, Menominee, Ironwood and Sault Ste Marie. The lead instructor is Dean Rushford and we are requesting twelve hours of development time to research and create handouts and driving courses. Additional range instructors include: Jeff Mincheff, Ken Love, Colby Lang and Tom Parks (If schedules conflict there are other instructors that may be utilized). Three (3) of the instructors from the personnel side and one from the contractual side will be utilized according to schedule availability.

Due to the decay of our traffic cones we are requesting funds to replace damaged cones for use on the driving course. Marking paint is being requested to mark courses.

The instructors will cover their own lodging and meals.

Funds for leasing five (5) MSP turn in vehicles from Vehicle Traffic Services are requested for a one-month period. The ability to provide cars for the department to train is essential in the success of this program. Departments would not attend the training if they had to utilize their own vehicles. Departmental budget would prevent officers from attending this type of training due to the wear and tear on the vehicles during the training.

There is a \$20 consortium member and a \$70 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, ordering materials transporting equipment, billing vehicle mileage and rental, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

Legal Update

The funding requested for this program is determined as follows:

We are requesting twelve (12) hours of development time for Matt Wiese to conduct the research and create the Legal Update manual and interactive power point used in the training. The yearly update for the manual is necessary because of the constant change in State and Federal laws. There also seems to be a new "hot topic" every year that Matt Wiese identifies as important to research and include in the training. In the past emphasis has been placed on Medical Marijuana, Open Carry Laws, Searching Cell Phones, Terry Pat Down, Search, and Seizure. This manual is provided to the officers and is often used as a resource guide. Mr. Wiese is also developing an interactive power point on the material.

We offer twelve (12) sessions in locations throughout the Upper Peninsula. We have worked diligently with the agencies to ensure there is proper coverage to maximize the course offerings. As stated in the problem statement, most of the departments in the Upper Peninsula are small and it would be difficult for them to send everyone to one session. By offering the training in the manner we do, it has allowed us to train over eighty percent of the officers in the Upper Peninsula annually. The training will be conducted by one of the listed Marquette County Prosecutors based on availability (Matt Wiese, Andrew Griffin or Jill Simms)

In order to streamline grant funds, the instructors for this class will be paid \$75.00 dollars per hour and they will cover their own travel, food and lodging.

There is a \$20 consortium member and a \$70 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, ordering materials transporting equipment, registration of participants, collecting evaluations, preparation of quarterly reports and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

Evidence Technician Refresher

The funding requested for this program is determined as follows:

Lead instructor Lisa Oravetz (MSP) will not charge for development, preparation or instruction.

There will be three (3) eight (8) hour sessions offered in Marquette.

The supplies for this program are consumed during the training. Due to budget constraints, departments would not be able to supply their officers with the collection supplies needed for the training updates. Funds for evidence collection supplies are being requested.

There is a \$20 consortium member and a \$70 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, set up of scenarios, clean up, copying, advertising, ordering materials transporting equipment, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

Beyond the Basics of Field Training Officer

The funding requested for this program is determined as follows:

The cost of the eighteen (18) hour class is a flat fee of \$5,625.00 dollars. The training is provided by an instructor from the National Association of Field Training Officers. The NMU PSI has contracted with NAFTO on prior training(s) with excellent results. The class will expand on the philosophy of the basic school and better equip the FTO to produce successful law enforcement officers.

There is a \$40 consortium member and a \$140 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports

Field Training Officer (Basic)

The funding requested for this program is determined as follows:

The cost of the twenty four (24) class is a flat fee of \$8,200.00 dollars. The training is provided by an instructor from the National Association of Field Training Officers. The NMU PSI has contracted with NAFTO on prior training(s) with excellent results.

There is a \$60 consortium member and a \$210 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports

Glock – Armorer Certification/Re-Certification Course

The funding requested for this program is determined as follows:

The cost of the eight (8) hour course is a flat fee of \$5000.00 per session. Glock Inc. is the sole provider of this training. Two sessions are being requested to meet the needs of armorers in our region. The cost of these two sessions is \$10,000.00. The certification is necessary for armorers to keep up maintenance on their department issued firearms.

There is a \$40 consortium member and a \$140 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports

Law Enforcement Response to Active Shooter Instructor Re-Certification

The funding requested for this program is determined as follows:

The cost of the sixteen (16) hour course is a flat fee of \$14,500.00. Strategos International is the sole provider of this system. Current instructors in the region have not been offered a recertification course since 2017.

There is a \$40 consortium member and a \$140 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

Tactical Firearms Instructor Course

The funding requested for this program is determined as follows:

The cost of the forty (40) hour course is a flat fee of \$14,000.00. The training will be provided by Strategos International. The course will train up to 20 students in all three firearms disciplines, hand gun, rifle and shotgun. The training will provide firearms instructors that assure MCOLES firearms standards are strictly adhered too.

There is a \$100 consortium member and a \$350 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

Colt M/16 / AR-15 Armorers Training (Rifles-Carbines-Sub Machine Guns)

The funding requested for this program is determined as follows:

The sixteen (16) hour has a flat fee of \$10,000.00 dollars. Colt is the sole provider of this training. The course will certify/re-certify the participants as Colt Armorers. Certification is necessary for armorers to keep up their department issued firearms.

There is a \$40 consortium member and a \$140 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are

adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports

Street Crime Seminar

The funding requested for this program is determined as follows:

The cost of this twenty four (24) hour course is a flat fee of \$4,800.00 per session. We are requesting \$14,400.00 dollars for three (3) sessions to be held in the Eastern, Central and Western U.P. This is valuable information and real life examples local officers may not receive otherwise. The course will be taught by Dan Sampila, Retired Chicago PD Lieutenant 33+ years. Street Crimes is the sole provider for this training.

There is a \$60 consortium member and a \$210 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

Reid Technique of Investigative Interview and Advanced Interrogation

The funding requested for this program is determined as follows:

The cost of this twenty four (24) hour course is a flat fee of \$9,775.00 per session. We are requesting \$29,325.00 dollars for three (3) sessions to be held in the Eastern, Central and Western U.P. The training is provided by Reid and Associates. They are the sole provider of this training.

There is a \$60 consortium member and a \$210 non-member course fee for this program. These funds will be used to cover expenses not requested in this grant.

Administrative

The administration cost is under personnel for Kenneth Love, Training Coordinator. The administration of this course will involve: scheduling of instructors, logistics, copying, advertising, registration of participants, collecting evaluations, preparation of quarterly reports, and MITN entry. Attending sessions to open and close the program to ensure proper MCOLES procedures are adhered to and the program is meeting the intention of the grant proposal and meeting the expectations of the grant.

Evaluations will be collected at the end of each training session and they will be compiled and included in quarterly reports.

SECTION 5 - APPLICANT PRIORITIES

Prioritize the components of your application in descending order. Include the GRANT COSTS and MATCH COSTS. Single topic applications should list priorities by sessions or category expenditures. If the application contains more than one training topic, prioritize by topic. If more than one grant application is being submitted by an agency, prioritize the list of applications. The applicant's list of priorities will be followed to the highest degree possible; however, Commission priorities take precedence over a grantee's priorities.

BE SURE TO PROVIDE ACTUAL COSTS FOR EACH TOPIC.

Copy and insert this page into your application as many times as needed.

Refer to Page 21 of the Grant Manual

HIGHEST TO LOWEST PRIORITY:

Administrative

1. Ken Love (match funds \$27,320.44)
2. Darlene Kyto (match funds \$14,700.50)
3. Michael Bath (match funds \$8,175.94)

In-Kind

1. Refreshments, Room Rental, Audio Visual (match funds \$2,200.00)
2. Computer Rental (match funds \$882.00)
3. Telephone Services (match \$444.00)

1. Precision Driving (5 sessions' remote locations)

Personnel and Contractual wages:

1. Administrative Wages and Fringes:
 - a. Ken Love (grant share \$1,116.72)
2. Personnel Instructors Wages and Fringes (grant share \$8,942.40)
3. Contractual Instructors Wages (grant share \$2,820.00)

Supplies and Operating:

1. MSP Turn-In Vehicles (grant share \$5,710.00)
2. Mileage and Maintenance (grant share \$5,000.00)
3. Traffic cones (grant share \$630.00)
4. Marking paint (grant share \$100.00)

Total cost of class: \$24,319.12

2. Legal Update (9 sessions remote locations, 3 sessions in Marquette)

Personnel and Contractual wages:

1. Administrative Wages and Fringes:
 - a. Ken Love (grant share \$1,116.72)
2. Contractual Instructors Wages (grant share \$4,500.00)

Supplies and Operating:

1. Room Rental (grant share \$500.00)

Total cost of class: \$6,116.72

3. Evidence Technician Refresher (3 Session Marquette)

Personnel and Contractual wages:

1. Administrative Wages and Fringes:
 - a. Ken Love (grant share \$1,116.72)

Supplies and Operating:

1. Evidence Collection Supplies (grant share \$12,381.00)

Total cost of class: \$13,497.72

4. Beyond the Basics of Field Training Officer

Personnel and Contractual wages:

1. Administrative Wages and Fringes:
 - a. Ken Love (grant share \$1,116.72)
2. Contractual Flat Fee (grant share \$5,625.00)

Total cost of class: \$6,741.72

5. Basic Field Training Officer

Personnel and Contractual wages:

2. Administrative Wages and Fringes:
 - b. Ken Love (grant share \$1,116.72)
3. Contractual Flat Fee (grant share \$8,200.00)

Total cost of class: \$9,316.72

6. Glock Armorer (2 sessions Marquette)

Personnel and Contractual wages:

3. Administrative Wages and Fringes:
 - c. Ken Love (grant share \$1,116.72)
4. Contractual Flat Fee (grant share \$10,000.00)

Total cost of class: \$11,116.72

7. Law Enforcement Response to Active Shooter Instructor Re-Certification

Personnel and Contractual wages:

4. Administrative Wages and Fringes:
 - d. Ken Love (grant share \$1,116.72)
5. Contractual Flat Fee (grant share \$14,500.00)

Total cost of class: \$15,616.72

8. Tactical Firearms Instructor Course

Personnel and Contractual wages:

5. Administrative Wages and Fringes:
 - e. Ken Love (grant share \$1,116.72)
6. Contractual Flat Fee (grant share \$14,000.00)

Total cost of class: \$15,116.72

9. Colt Armorer

Personnel and Contractual wages:

6. Administrative Wages and Fringes:
 - f. Ken Love (grant share \$1,116.72)
7. Contractual Flat Fee (grant share \$10,000.00)

Total cost of class: \$11,116.72

10. Street Crimes Seminar (3 sessions)

Personnel and Contractual wages:

7. Administrative Wages and Fringes:
 - g. Ken Love (grant share \$1,116.72)
8. Contractual Flat Fee (grant share \$14,400.00)

Total cost of class: \$15,516.72

11. Reid Technique of Investigative Interview and Advanced Interrogation (3 sessions)

Personnel and Contractual wages:

8. Administrative Wages and Fringes:
 - h. Ken Love (grant share \$1,116.72)
9. Contractual Flat Fee (grant share \$29,325.00)

Total cost of class: \$30,441.72

CERTIFICATE OF CONSORTIUM MEMBERSHIP

The Certifying Official shall be the individual who administers consortium activities and has the authority to act on behalf of the consortium. Attach paperwork supporting the Consortium Membership to this document.

Identification:

1. Applicant Agency: Northern Michigan University
2. Consortium: Northern Michigan University Public Safety Institute

Consortium:

3. Consortium Structure: See NMU Public Safety Institute By-Laws
4. Geographic Region Served by the Consortium: The service area for the NMU Public Safety Institute is the entire Upper Peninsula of Michigan. On occasion, we do have officers attend from the Lower Peninsula and Wisconsin.
5. Member Agencies: See attached NMU Public Safety Institute Membership List
6. Financial Commitment from Member Agencies: The NMU Public Safety Institute currently has 23 members, with an officer membership of approximately 400 officers. The number of agencies slightly fluctuates year to year depending on the courses offered. At the beginning of the year, each department is sent a schedule for the upcoming year which includes the member and non-member rate for the courses offered. This allows the department to determine if it is cost effective to join the consortium based on their training needs for that particular year. They are also sent a Memorandum of Understanding where upon they agree to pay the member rate and the consortium agrees to provide the training. Member agencies pay \$150.00 per certified officer and \$75.00 per part-time officer per year. These funds are specifically used to supplement the administrative category to pay the salary and fringe benefits to manage the grants, room rentals, audio-visual equipment rentals exceeding the grant allotment, and any other expenses not allowed in the grant. These funds are also used to offer courses that do not meet the grant guidelines, i.e. Basic Radar, Lidar, Radar/LIDAR Re-Cert etc. A daily rate is set for each program to cover expenses not covered in the grant. This rate is \$20.00 dollars per day for members and \$70.00 dollars per day for non-members. This fee is used to purchase coffee, rolls, pop, water and various other items not covered in the grant.

Certification:

I certify, on behalf of the consortium, the information contained in this document is complete, accurate and, in compliance with the requirements of the Michigan Commission on Law Enforcement Standards.

Printed Name of Certifying Official Kenneth D. Love	Title of Certifying Official Coordinator NMU Public Safety Institute
Signature of Certifying Official	Date

Other consortium certification may be submitted as addendum files.

Northern Michigan University Public Safety Institute
By-Laws
Adopted December 1986
(Revised 2012)

ARTICLE I. NAME

Section 1. This Consortium shall be known as "The Public Safety Institute," hereafter referred to as the CONSORTIUM.

ARTICLE II. PURPOSE OF THE CONSORTIUM

Section 1. To promote professionalism, secure a unity of action in matters of mutual concern, maintain and foster a spirit of cooperation, promote public understanding of the Law Enforcement Profession, and to provide for the advancement of the Law Enforcement Profession through in service training.

Section 2. The CONSORTIUM shall be represented by the Public Safety Institute (PSI) under direction of the PSI Advisory Board in all In-Service training matters.

ARTICLE III. MEMBERSHIP

Section 1. The administrative head of all law enforcement agencies comprised of sworn law enforcement officers located in the Upper Peninsula of Michigan are eligible for membership in the CONSORTIUM.

Section 2. An administrative head must be eligible to receive and/or expend 302 Funds, or be given an exemption by the Advisory Board.

Section 3. The administrative head is defined as follows:

- a. Chiefs of Police and Sheriffs
- b. Directors of Public Safety
- c. District Commander, Michigan State Police
- d. Post Commanders, Michigan State Police
- e. Regional Law Enforcement Supervisor, Department of Natural Resources
- f. Tribal Police- Law Enforcement Supervisor
- g. U.S. Forest Service Law Enforcement Division

Section 4. The administrative head is charged with the responsibility to carry out its contractual agreements with the PSI.

Section 5. The administrative head of each agency in good standing will have one vote on all matters involving general business of the CONSORTIUM.

Section 6. A member in good standing will be one who is current on PSI fees.

Section 7. The administrative head may appoint an alternate to attend meetings in his/her place. The alternate will be considered as a non-voting member of the CONSORTIUM.

Section 8. For business of the CONSORTIUM a simple majority of those present shall be required for a motion to pass.

Section 9. Participating members of the CONSORTIUM are those eligible members of the CONSORTIUM who contribute the designated fee to the PSI on an annual basis, and who have completed a Memorandum of Understanding with the PSI.

Section 10. Only participating members of the CONSORTIUM are eligible to vote on CONSORTIUM issues.

ARTICLE IV. PSI Advisory Board

Section 1. The Advisory Board shall provide direction for the PSI in assessing and prioritizing training needs, establishing budgets, selecting training sites, setting program dates, and other planning matters. The Advisory Board shall continually review and evaluate the training program effectiveness and make recommendations for improvement.

Section 2. Only Participating members of the CONSORTIUM in good standing are eligible to become members of the Advisory Board, except as noted in Article IV., Section 3.

Section 3. The Executive Committee shall consist of following members:

- a. One member must be the administrative head of a participating municipal department with 25 or more sworn officers.
- b. Two members must be participating Sheriffs.
- c. Five members from participating agencies.
- d. One member will be the District Commander of the Michigan State Police.
(Permanent Member).
- e. One member will be selected from the Academic Affairs Division of Northern Michigan University (Permanent Member).
- f. The Training Director will serve as an Ex Officio (non-voting) member.
- g. One member shall be that member of the CONSORTIUM who is the authorized signatory on the PSI grant application (Permanent Member).
- h. Prosecutor from a Consortium Member in good standing.
- i. Member-at-Large
- j. All members of the Advisory Board who retire will be invited to remain on the committee as an ex officio member.

Section 4. The Chair shall be that member of the CONSORTIUM who is the authorized signatory on the PSI grant application.

Section 5. The Chair shall hire a Training Coordinator, as the representative of the PSI who direct, manage and supervise the day-to-day operation of the Public Safety Institute to include coordinating and scheduling those courses approved through grant funding and identifying additional courses that can be offered within budget constraints.

Note: See current attached job description for the Public Safety Institute Training Coordinator, NMU Job Position 001423.

Section 6. Appointments to fill vacancies on the Advisory Board will be made by the Chair.

Section 7. The Advisory Board shall represent the CONSORTIUM in all matters related to training.

Section 8. The Advisory Board Chair shall regularly inform the membership of program plans, changes, and accomplishments by providing a report at regular CONSORTIUM meetings, to include annual review of Public Safety Institute By-Laws.

Section 9. The Training Director shall assume the duties of the Chair in his/her absence.

ARTICLE V.: MEETINGS

Section 1. The Advisory Board Chair shall be responsible for determining Advisory Board meeting dates and locations.

Section 2. There must be a minimum of two Advisory Board meetings held each year.

Section 3. Advisory Board meetings will be held at various locations throughout the Upper Peninsula.

Section 4. Advisory Board Meetings shall be open to any member of the CONSORTIUM.

ARTICLE VI. MINUTES

Section 1. Copies of minutes will be approved at the next meeting of the Advisory Board.

Section 2. An agenda will be prepared by the Training Coordinator and mailed to each member of the CONSORTIUM at least prior to a scheduled meeting.

ARTICLE VII. MEMBERSHIP FEES:

Section 1. The Advisory Board will determine and set appropriate membership fees designed to off-set expenses for each calendar year.

Section 2. If membership fees are increased, they will be assessed, if approved by a simple majority vote of all Advisory Board members in attendance.

ARTICLE VIII: OTHER FEES

Section 1. The Chair of the Advisory Board will determine and set appropriate administrative fees designed to off-set expenses for each program.

Section 2. The Advisory Board will determine, set and approve appropriate fees for non-member attendance at training programs.

ARTICLE IX: GRANT APPLICATIONS

Section 1. The Training Coordinator shall be responsible for completing any grant applications within the designated time frame.

Section 2. Grant applications shall be reviewed by the Advisory Board and approved by the Chair.

ARTICLE X: CONDUCTING BUSINESS

Section 1. All meetings of the CONSORTIUM and the Advisory Board will be conducted using the guidelines provided in Roberts Rules of Order.

Section 2. A quorum shall consist of a simple majority of the members of the CONSORTIUM or the Advisory Board. For business of the Advisory Board a simple majority of those present shall be required for a motion to pass.

NMU PSI Members

Chocolay Township PD
Ishpeming PD
Baraga County SO
Ontonagon County SO
Iron River PD
Munising PD
NMU PD
Gladstone PS
Alger County SO
Forsyth Township PD
Negaunee City PD
Houghton PD
Iron County SO
Marquette County SO
Marquette City PD
Kingsford PS
Michigan Tech Univ PD
Caspian PD
Crystal Falls PD
Luce County SO
Manistique PS
Ironwood PS
Norway PD

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Northern Michigan University - LE Training Competitive Grant 2021
2021 Proposed Budget Detail

PERSONNEL

Salary and Fringe Benefits

Course Employee Name	Assignment	Hourly Rate	Dev. Hours	Prep. Hours	Inst. Hours	Admin. Hours	Total Salary	Fringe Rate	Fringe	Total Cost	Grant Share	Match Share
Ken Love	Administrative	\$ 29.70				580	\$ 17,226.00	0.586	\$ 10,094.44	\$ 27,320.44		\$ 27,320.44
Mike Bath	Administrative	\$ 52.55				104	\$ 5,465.20	0.496	\$ 2,710.74	\$ 8,175.94		\$ 8,175.94
Darlene Kyoto	Administrative	\$ 15.24				520	\$ 7,924.80	0.855	\$ 6,775.70	\$ 14,700.50		\$ 14,700.50
							\$ -		\$ -	\$ -		
Precision Driving							\$ -		\$ -	\$ -		
Jeff Mincheff	Driving Technician	\$ 60.00			40		\$ 2,400.00	0.242	\$ 580.80	\$ 2,980.80		
Tom Parks	Driving Technician	\$ 60.00			40		\$ 2,400.00	0.242	\$ 580.80	\$ 2,980.80		
Colby Lang	Driving technician	\$ 60.00			40		\$ 2,400.00	0.242	\$ 580.80	\$ 2,980.80		
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
							\$ -		\$ -	\$ -		
Legal Update							\$ -		\$ -	\$ -		
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
							\$ -		\$ -	\$ -		
Evidence Tech Refresher							\$ -		\$ -	\$ -		
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
							\$ -		\$ -	\$ -		
Beyond Basic FTO							\$ -		\$ -	\$ -		
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
							\$ -		\$ -	\$ -		
Basic FTO							\$ -		\$ -	\$ -		
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
							\$ -		\$ -	\$ -		
Glock Armorer							\$ -		\$ -	\$ -		
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
							\$ -		\$ -	\$ -		
Active Shooter Response Instructor												
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
Tactical Firearms Instructor												
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		

Colt Armorer												
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
Street Crimes (3) sessions												
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		
Reid Interview.Interrigation												
Ken Love	Administrative	\$ 29.70				25	\$ 742.50	0.504	\$ 374.22	\$ 1,116.72		

TOTAL PERSONNEL										\$71,423.20	\$0.00	\$50,196.88
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MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Northern Michigan University - LE Training Competitive Grant 2021
2021 Proposed Budget Detail

CONTRACTUAL
Contractor Fees

Contractor Name	Course	Hourly Rate	Dev. Hours	Prep. Hours	Inst. Hours	Admin. Hours	Total Cost	Grant Share	Match Share
Precision Driving									
Dean Rushford	Lead Instructor	\$ 60.00			40		\$ 2,400.00		
Dean Rushford	Course Development	\$ 35.00	12				\$ 420.00		
Legal Update									
Matt Wiese, Jill Simms, Andy Griffin	Instructor (1 instructor from list)	\$ 75.00			48		\$ 3,600.00		
Matt Wiese		\$ 75.00	12				\$ 900.00		
Beyond the Basics FTO									
National Association. of FTO	Instruction						\$ 5,625.00		
Basic FTO									
National Association of FTO	Instruction						\$ 8,200.00		
Glock Armorer									
Glock Inc. (2 sessions)	Instruction						\$ 10,000.00		
Active Shooter Resonse Instructor Recert									
Strategos International	Instruction						\$ 14,500.00		
							\$ -		
Tactical Firearms Instructor									
Strategos International	Instruction						\$ 14,000.00		
							\$ -		
Colt Armorer									
Colt Armorer Manufacturing LCC	Instruction						\$ 10,000.00		
Street Crimes Seminar									
Street Crimes (3 sessions)	Instruction						\$ 14,400.00		
Reid Interview & Interrogation									
Reid and Associates (3 sessions)	Instruction						\$ 29,325.00		
TOTAL CONTRACTUAL							\$113,370.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Northern Michigan University - LE Training Competitive Grant 2021

2021 Proposed Budget Detail

TUITION

Cost per Student

Training Provider	Course	Number of Students	Cost per Student	Total Cost	Grant Share	Match Share
				\$ -		
				\$ -		\$ -
				\$ -		
				\$ -		
				\$ -		
				\$ -		
				\$ -		
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TOTAL TUITION				\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Northern Michigan University - LE Training Competitive Grant 2021
 2021 Proposed Budget Detail

TRAVEL
Employee

Course Employee Name	Mileage			Lodging			Breakfast		Lunch			Dinner			Airfare/ Other	Total Cost	Grant Share	Match Share
	Miles	Rate 0.34	Total	#	Rate \$85.00	Total	#	Cost	Total	#	Cost	Total	#	Cost				
			-			-			-			-			-	\$ -		
			-			-			-			-			-	\$ -		
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TOTAL EMPLOYEE TRAVEL			\$0.00		\$0.00			\$0.00			\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Northern Michigan University - LE Training Competitive Grant 2021
2021 Proposed Budget Detail

SUPPLIES AND OPERATING

Course	Description	Quantity	Unit Price	Total Cost	Grant Share	Match Share
				\$ -		
Precision Driving				\$ -		
	DTMB Rental Vehicles	5	\$ 1,142.00	\$ 5,710.00	\$ 5,710.00	
	Mileage and maintenance	10000	\$ 0.50	\$ 5,000.00	\$ 5,000.00	
	Traffic cones	100	\$ 6.30	\$ 630.00	\$ 630.00	
	Marking Paint	1	\$ 100.00	\$ 100.00	\$ 100.00	
				\$ -	\$ -	
Legal Update				\$ -	\$ -	
	Room/AV Rental	1	\$ 500.00	\$ 500.00	\$ 500.00	
				\$ -	\$ -	
Evidence Tech Refresher				\$ -	\$ -	
	Adhesive scales black	20	\$ 7.00	\$ 140.00	\$ 140.00	
	Adhesive scales gray	20	\$ 7.00	\$ 140.00	\$ 140.00	
	Adhesive scales white	20	\$ 7.00	\$ 140.00	\$ 140.00	
	Biohazard labels	16	\$ 8.00	\$ 128.00	\$ 128.00	
	Book tape	16	\$ 27.00	\$ 432.00	\$ 432.00	
	Cotton batting	2	\$ 5.00	\$ 10.00	\$ 10.00	
	Denstone	5	\$ 60.00	\$ 300.00	\$ 300.00	
	Dirt	10	\$ 6.00	\$ 60.00	\$ 60.00	
	Disposable tweezers	10	\$ 6.00	\$ 60.00	\$ 60.00	
	Distilled water	16	\$ 3.00	\$ 48.00	\$ 48.00	
	Elcotrostatic lifter	1	\$ 850.00	\$ 850.00	\$ 850.00	
	Evidence packaging kits	16	\$ 200.00	\$ 3,200.00	\$ 3,200.00	
	Flash drives	5	\$ 20.00	\$ 100.00	\$ 100.00	
	Folders	6	\$ 5.00	\$ 30.00	\$ 30.00	
	Rubber gloves L	10	\$ 20.00	\$ 200.00	\$ 200.00	
	Rubber gloves M	10	\$ 20.00	\$ 200.00	\$ 200.00	
	Rubber gloves S	10	\$ 20.00	\$ 200.00	\$ 200.00	
	Rubber gloves XL	10	\$ 20.00	\$ 200.00	\$ 200.00	
	Hinge lifts	5	\$ 35.00	\$ 175.00	\$ 175.00	
	Ink pads large	5	\$ 25.00	\$ 125.00	\$ 125.00	
	Ink pads small	16	\$ 12.00	\$ 192.00	\$ 192.00	

	Print processing kit	16	\$ 140.00	\$ 2,240.00	\$ 2,240.00	
	Envelopes M and L	20	\$ 25.00	\$ 500.00	\$ 500.00	
	Mikrosil	16	\$ 30.00	\$ 480.00	\$ 480.00	
	Nylon bags M	5	\$ 100.00	\$ 500.00	\$ 500.00	
	Nylon bags S	5	\$ 30.00	\$ 150.00	\$ 150.00	
	Notepads	5	\$ 12.00	\$ 60.00	\$ 60.00	
	Page protectors	8	\$ 20.00	\$ 160.00	\$ 160.00	
	Post it notes	3	\$ 22.00	\$ 66.00	\$ 66.00	
	Powder black bulk	2	\$ 25.00	\$ 50.00	\$ 50.00	
	Powder black	5	\$ 8.00	\$ 40.00	\$ 40.00	
	Powder gray	5	\$ 8.00	\$ 40.00	\$ 40.00	
	Powder white	5	\$ 8.00	\$ 40.00	\$ 40.00	
	Print backers 2x4 black	10	\$ 12.00	\$ 120.00	\$ 120.00	
	Print backers 2x4 clear	10	\$ 12.00	\$ 120.00	\$ 120.00	
	Print backers 2x4 white	10	\$ 12.00	\$ 120.00	\$ 120.00	
	Print backers 4x4 black	10	\$ 15.00	\$ 150.00	\$ 150.00	
	Print backers 4x4 clear	10	\$ 15.00	\$ 150.00	\$ 150.00	
	Print backers 4x4 white	10	\$ 15.00	\$ 150.00	\$ 150.00	
	Print brushes	15	\$ 9.00	\$ 135.00	\$ 135.00	
	Print gel lifts 2" wide	10	\$ 10.00	\$ 100.00	\$ 100.00	
	Print tape	10	\$ 8.00	\$ 80.00	\$ 80.00	
	Refreshments, AV, Room Rental			\$ 2,200.00		\$ 2,200.00
	Computers			\$ 882.00		\$ 882.00
	Phones			\$ 444.00		\$ 444.00
						\$ -
				\$ -		

TOTAL SUPPLIES AND OPERATING				\$27,847.00	\$24,321.00	\$3,526.00
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MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Northern Michigan University - LE Training Competitive Grant 2021
 2021 Proposed Budget Detail

EQUIPMENT

Course	Description	Quantity	Unit Price	Total Cost	Grant Share	Match Share
				-		
				-		
				-		
				-		
				-		
				-		
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TOTAL EQUIPMENT				\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

2021 Proposed Budget Detail

Personnel	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 71,423.20	\$ 21,226.32	\$ 50,196.88	

Contractual	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 113,370.00	\$ 113,370.00	\$ -	

Tuition	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Employee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Contractor	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Trainee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Supplies & Operating	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 27,847.00	\$ 24,321.00	\$ 3,526.00	

Equipment	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

GRANT TOTALS	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 212,640.20	\$ 158,917.32	\$ 53,722.88	

Percentage of Total Costs	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	74.7%	25.3%	

State of Michigan
MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
 Michigan Justice Training Competitive Grant Program
2021 GRANT APPLICATION

SECTION 1 - IDENTIFICATION

APPLICANT AGENCY Michigan State Police		SIGMA ID/ADDRESS CODE SIGMA Unit 4600
STREET ADDRESS/CITY/ZIP 7320 North Canal Road, Lansing, MI 48913		
TRAINING CONSORTIUM (if applicable) Statewide Provider		
PROJECT TITLE (Limit 45 characters) Forensic Science Training		
START DATE January 1, 2021	END DATE December 31, 2021	GRANT FUNDS REQUESTED \$508,812.50

AUTHORIZED OFFICIAL (PERSON AUTHORIZED TO ENTER INTO AGREEMENTS)

As the Authorized Official, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Jeffrey Nye, Director, Forensic Science Division		
STREET ADDRESS/CITY/ZIP 7320 North Canal Road, Lansing, MI 48913		
TELEPHONE (Direct) 517-322-6135	E-MAIL ADDRESS NyeJ1@michigan.gov	
SIGNATURE	DATE 5/22/20	

PROJECT ADMINISTRATOR (PERSON RESPONSIBLE FOR IMPLEMENTING AND REPORTING THE TRAINING)

As the Project Administrator, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE Nicole Marsh, Grant Manager		
STREET ADDRESS/CITY/ZIP 7320 North Canal Road, Lansing, MI 48913		
TELEPHONE (Direct) 517-636-4447	E-MAIL ADDRESS marshn@michigan.gov	
SIGNATURE <i>Nicole B. Marsh</i>	DATE 5/22/20	

FINANCIAL OFFICER (PERSON RESPONSIBLE FOR GRANT ACCOUNTING)

As the Fiscal Officer, I have read and agree to all conditions set forth in the 2021 Grant Manual.

NAME AND TITLE David Morris, Fiscal Manager		
STREET ADDRESS/CITY/ZIP 7150 Harris Drive, Dimondale, MI 48821		
TELEPHONE (Direct) 517-512-5362	E-MAIL ADDRESS Morrisd1@michigan.gov	
SIGNATURE	DATE 5/22/20	

By authority of P.A. 302 of 1982, as amended
 Submission of this application is required to participate in this program.

Applications must be submitted to MCOLES via email to thelend15@michigan.gov no later than May 22, 2020.

SECTION 2 - PROJECT NARRATIVE

A. PROBLEM IDENTIFICATION

Describe the problem or issue the training is expected to address. Connect the proposed training to the documented need. Explain why this proposal should be grant funded.

Refer to Page 18 of the Grant Manual

The Michigan State Police (MSP) Forensic Science Division (FSD) is accredited by the ANSI National Accreditation Board (ANAB). The ANAB accreditation process allows a laboratory to demonstrate that its management, personnel, operational and technical procedures, equipment and physical facilities meet established standards. A key component in maintaining laboratory accreditation is a requirement to ensure the competency of laboratory personnel through a continuous training program. Continuing education is critical to the field of forensic science, not only as a safeguard for preventing analytical error, but to ensure that forensic laboratory systems are equipped with the knowledge and capability to utilize the latest technology when providing service to federal, state, and local law enforcement agencies.

As the field of forensic science continues to expand, so does the demand for laboratory services statewide. The Forensic Science Division's staffing levels have increased in recent years in attempt to meet this demand, and with this increase, the Division's training needs have grown as well. The training programs requested in this proposal will be provided to more than 200 civilian and enlisted laboratory personnel (forensic analysts and examiners, laboratory technicians, and Division administrators), at each of the state's seven laboratories. Specific personnel will be designated to attend the identified training programs throughout the calendar year, as determined by scheduling, proficiency, and operational needs.

As a statewide service provider, the FSD will impact a significant portion of the state's criminal justice, legal, and civilian communities with the funding received from this training grant. The FSD is the only crime laboratory system in the state of Michigan that provides a complete range of forensic services to federal, state, and local law enforcement agencies; a majority of the Division's annual caseload is completed for law enforcement agencies other than the MSP. In addition to providing analytical services, the FSD serves as a training resource for outside agencies.

The programs identified in the following request for 2021 funding address the Division's specialized training needs through technical seminars, workshops, symposia, practical exercises, formalized coursework, and professional trainings. Although a concentrated effort is made to bring programs into Michigan where feasible, the FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Available departmental funding is used to provide mandated law enforcement training and is not sufficient to address the specialized needs of the forensic laboratory system. As a result, FSD must actively seek grant funding to provide the financial resources necessary to meet its continuing education requirements.

SECTION 2 - PROJECT NARRATIVE

B. TRAINING OBJECTIVES

Describe the subject matter for each course/topic. Provide global objectives in terms of outcomes, stating what the trainees are expected to know and do as a result of this training.

Refer to Page 18 of the Grant Manual

The FSD requests 2021 funding for the training programs identified below. Past experience with many of these courses, seminars, and workshops has demonstrated their value in expanding our examiners' and analysts' fundamental knowledge of scientific principles, providing exposure to recent scientific developments in each of the forensic disciplines, familiarizing personnel with new instrumentation and its application to forensic matters, and providing access to new methodologies – all of which are essential to ensure the quality, timeliness, and efficiency of forensic service delivery. Knowledge gained through training is applied directly to forensic casework and laboratory operations and information obtained is shared throughout the Division via personal communication, unit meetings, and in-house training sessions.

ANSI National Accreditation Board (ANAB) Training: This course provides a detailed review of ISO/IEC 17025:2017 and the related ANAB accreditation requirements for forensic service providers (AR 3125) as well as a review of ISO 19011, Guidelines for Auditing Management Systems. Participants will be introduced to the principles of auditing, will be provided with an approach for developing, implementing and managing an audit program, will learn the audit process and several audit methods for collecting, verifying and recording objective evidence, and will discuss audit risks. Numerous hands-on audit activities, including developing and using checklists, are incorporated throughout the course to allow participants to begin to leverage their knowledge gained during the course. (27 hours)

American Society of Crime Laboratory Directors (ASCLD) Symposium: The American Society of Crime Laboratory Directors (ASCLD) is a nonprofit professional society of crime laboratory directors and forensic science managers dedicated to promoting excellence in forensic science through leadership and innovation. This national symposium addresses issues that are critical to the forensic science community and the management of forensic laboratories. Targeted areas include: technology and scientific advances - improving current practices and addressing the need for standards in forensic science; personnel and training - mandating guidelines and establishing standards for education, training, accreditation, certification, and use of common language; best practices and efficiencies - identifying means of improvement (benchmarking, process improvements, etc.); and financial resources - appropriating sustainable and flexible funding sources at the national, state, and local level. Participation in this symposium provides FSD laboratory managers, who are ASCLD members, with a voice and a vote in steering the direction of forensic science nationwide. (40 hours)

Midwestern Association of Forensic Scientists (MAFS) Training: The MAFS Training includes the presentation of formal scientific papers, workshops, and round-table discussions focused on issues common to forensic laboratories in the Midwestern region of the United States. Attendees will be informed of developing trends in their forensic field and learn new analytical techniques which will assist in daily casework and improve the efficiency and quality of forensic service delivery. Forensic Science Division personnel historically present papers at this training each year and often assist with workshop instruction. (40 hours)

Digital Imaging: Digital processing for footwear and tire impression examiners, including hands-on instruction of image processing techniques, scaling images for examination, various techniques that can be used to digitally enhance footwear impressions that have been scanned or photographed and methods of producing charts for producing results in court. (40 hours)

Society of Forensic Toxicologists (SOFT) Training: This training serves as a major source of current information and continuing education in the area of forensic toxicology. Training content provides basic analytical information and training for new scientists, dissemination of information on emerging drugs for senior practitioners, and has a direct impact on expert witness credibility. Through participation in this training, toxicologists will increase their knowledge of current and new drugs of interest in the national forensic toxicology arena, become familiar with the development of new analytical techniques, and be aware of current legal and regulatory issues in the field. (40 hours)

Palm Print Comparison Techniques: This course is designed to introduce fingerprint examiners to commonalities evident in the friction ridge skin contained on the palms of the hands to develop efficient examination using orientation clues. Upon completion of the training the examiner will be able to comprehend terminology and verbiage regarding latent palm print analysis commonly used in the print community, develop a more efficient and proficient methodology of palm

print analysis, comparison, and evaluation and understand proper latent palm print orientation and minute plotting for more productive database searching. (24 hours)

Association of Firearms/Toolmarks Examiners (AFTE) Training: AFTE presents an annual training program that has been routinely attended and well received by FSD personnel in the Firearms and Toolmarks discipline. AFTE Training provides attendees the opportunity to learn about new research projects, validation study results, courtroom testimony, ASCLD/LAB updates, SWGGUN news, new ammunition development, microscopy techniques, shooting reconstruction advancement, and general dissemination of educational material relating to firearms. Professional papers are presented for instructional purposes and new equipment is available for evaluation by the participants. Participation in this program assists the Division's Firearms unit in improving analytical protocols and better prepares examiners for expert witness testimony. (48 hours)

Shooting Incident Reconstruction: The Shooting Incident Reconstruction course utilizes a combination of classroom based and practical exercises involving shooting incident reconstruction to include: terminology, internal/external/terminal ballistics, ID/detecting/measuring bullet marks, projectile behavior in a variety of substrates, motor vehicles as target surface, flight path reconstruction/description/documentation, report writing, courtroom testimony. At the completion of this course, students will be able to properly recognize, document and collect firearms evidence for trajectory documentation (at crime scenes and in vehicles), understand how to utilize evidence and documentation from the crime scene to prepare a trajectory analysis report and better testify in court to trajectory analysis and shooting incident reconstruction. (40 hours)

DEA Forensic Chemist Seminar: This seminar provides a comprehensive learning experience on topics related to the analysis of controlled substance, quality assurance, clandestine laboratories, expert testimony, and instrumental techniques by combining interactive classroom instruction, participation in hands-on demonstrations and a forum for attendees to exchange information. At the completion of the training the participant will be able to demonstrate increased knowledge in current drug trends including cocaine processing, opium-to-heroin processing, methamphetamine syntheses and apply techniques such as trouble shooting and performing maintenance on various types of instrumentation. (40 hours)

American Society of Questioned Document Examiners (ASQDE) Training: The purpose of the American Society of Questioned Document Examiners is to foster education, sponsor scientific research, establish standards, exchange experience, and provide instruction in the field of questioned document examination, and to promote justice in matters that involve questions about documents. While the agenda has not been announced for 2021, training content is likely to include workshops, research presentations, and vendor presentation on the latest products and technologies being offered in forensic document examination. At the completion of this training, participants will be able to conduct casework with more detailed and up-to-date information and be familiar with the latest research being conducted in forensic document examination. (40 hours)

Association of Forensic Quality Assurance Managers (AFQAM) Training Conference: This is an annual training session and conference of the Association of Forensic Quality Assurance Managers designed to develop and share strategies for maintaining and improving quality assurance standards in forensic science laboratories. At the completion of this training participants will be able to better anticipate and handle quality assurance issues as they relate to forensic science laboratories in the United States, recognize, understand, and investigate casework abnormalities, including employee work performance issues, cognitive bias, and unethical behaviors and relate to and stay in contact with other quality assurance professionals in government laboratories who face challenges similar to MSP FSD. (28 hours)

Expert Witness: This course is a basic training requirement for all FSD scientists. The weeklong format provides instruction on the basics of preparing for courtroom testimony using lecture and mock trials. The final event of this course is a mock trial, typically held in a nearby courtroom. Experienced personnel play to roles of prosecutor, defense attorney, and judge while the forensic scientist explains and defends work performed in their discipline. Additionally, upon completion of this course participants will understand the importance of their testimony in criminal cases and how competence in this area is critical to overall performance as a forensic scientist; develop strategies to enhance their ability to prepare to testify as an expert witness. (36 hours)

American Academy of Forensic Science (AAFS) Training: AAFS is recognized as a premier professional organization in the forensic science community. The AAFS training is composed of scientific sessions and workshops presented by numerous national and international forensic experts. The multi-disciplinary training format includes more than 500 seminars, workshops, and presentations from the world's most accomplished forensic professionals. Topics are focused on emerging trends, cutting edge research, quality assurance, application of analytical techniques and methodologies, and legal matters pertinent to the forensic community. Critical information obtained from this training is applied to casework, directly impacting the solvability of criminal acts in the state of Michigan. Attendees are expected to participate

in workshops and scientific sessions to improve specific laboratory skills, increase current knowledge of respective disciplines, and learn the latest techniques for application to laboratory practices. (48 hours)

Analysis of Distortion in Latent Prints: This course includes both lecture and practical exercises focusing on the Analysis phase of comparison methodology. Instruction includes setting tolerances for variation in appearance and utility of a print during analysis for use in the comparison phase. At the completion of the training the participant will be able to recognize Biological and residue distortion in a latent print in order to correctly compare the features in the print, determine when surface distortion impacts the appearance of the edges and pores in the ridge structure and analyze and predict changes in appearance due to contact distortion to accurately conduct comparisons. (16 hours)

Fiber Analysis: The student will learn highly specialized methods that can be successfully applied to virtually all types of fibers: vegetable, fur, mineral, and man-made. Topics that will be discussed include analysis techniques, instrumental analysis and manufacturing updates. At the completion of the training the participant will be informed of current developing trends in instrumental analysis, microscopy and analysis of Fiber Evidence, learn/enhance techniques which will improve the quality and efficiency in the delivery of Forensic Science service and learn new/improved analytical techniques which will assist in daily casework. (40 hours)

Crime Scene Reconstruction I: The course is intended to develop a fundamental knowledge of appropriate hypothesis development and testing procedures and provide an objective form of defining the events associated with a complex crime (event analysis). At the conclusion of this training, attendees will be able to identify the steps of the scientific method and the seven steps of the methodology used in crime scene analysis, demonstrate the ability to objectively flow chart an incident, distinguishing relative chronology from absolute chronology and demonstrate an ability to evaluate a complex crime scene. (40 hours)

Clandestine Laboratory Investigating Chemists (CLIC) Training: This training offers highly specialized training programs on topics related to clandestine laboratory investigations, chemistry, analytical techniques and safety programs. The objective of this training is to disseminate information within the field of clandestine laboratory investigation and evidence examination. This will allow Controlled Substances Scientists the opportunity to discuss problems and issues of common interests of other drug analysts and to form a peer group nationwide, obtain resource information on clandestine analyses and chemistry, and stimulate research and development of new techniques. (36 hours)

Midwest Toxicology and Therapeutic Drug Monitoring (MATT) Drug Monitoring Training: The MATT Training is an important source of current information and continuing education on forensic toxicology and regional issues concerning drugs of abuse. This training is to cover topics including analytical techniques, trends in recreational and medicinal drug use, novel and therapeutic drugs, and related case analyses. Through participation in this program, analysts will be familiar with recent trends in the use and abuse of therapeutic drugs, and new developments in analytical methodology, death investigation, and sexual assault examination. (16 hours)

Federal and Winchester Ammunition Tour: This tour will allow attendees to familiarize themselves with the manufacturing processes and how they create class and individual characteristics which form the basis for firearm and tool mark identification science. At the completion of this tour, attendees will have a clear understanding of the entire manufacturing process of ammunition, have the practical knowledge of the manufacturing process and be a resource for the Firearms Unit and be able to use the information and knowledge obtained during expert qualifications in court. (24 hours)

International Association for Identification (IAI) Conference: The IAI Conference offers training and scientific presentations in the areas of latent prints, photography, bloodstain pattern analysis, footwear, and tire track identification - evidence which is frequently encountered at crime scenes and is extremely valuable in tying a suspect and/or suspect vehicle to the scene of a crime. Attendees participating in this program will be informed of current and developing trends; learn new analytical techniques for application to casework; and acquire techniques which will improve efficiency in the delivery of forensic services statewide. (48 hours)

Technician Witness: This course is a basic training requirement for all FSD technicians. The format provides instruction on the basics of preparing for courtroom testimony using lecture and mock trials. The final event of this course is a mock trial, experienced personnel play to roles of prosecutor, defense attorney, and judge while the forensic technician explains and defends work performed in their discipline. Additionally, upon completion of this course participants will understand the importance of their testimony in criminal cases and how competence in this area is critical to overall performance as a forensic technician; develop strategies to enhance their ability to prepare to testify as an expert witness. (24 hours)

Footwear Analysis: This course offers specialized topics pertaining to the examination of footwear impression evidence. Focus of the course will be on the examination process; examination problems and conclusions; report preparation, contents and wording; and advanced casework challenges. Specific topics will include updates on aspects of footwear manufacturing; shoe grading and sizing as it relates to comparison with known shoes and the determination of the size of footwear from impressions; updates on techniques and materials regarding recovery of footwear evidence. (40 hours)

Essential Ridgeology Techniques: This course offers instruction in fundamental concepts of Ridgeology which includes theory, technique, discipline standards and standards for conclusions. Both lecture and hands-on analysis of latent prints are included in the course along with discussion on legal and scientific standards. At completion of the training the participant will be able to understand and articulate the science of friction ridge skin examination to other experts as well as juries, utilize all available information in a given impression for analysis and reinforce the concept of “running the ridges” during comparison and understand objective measures of sufficiency utilized during the examination process. (40 hours)

Mass Fatality Incident Exercise: The Mass Fatality Incident Exercise is a two-day mock mass fatality incident exercise involving multiple labs' Crime Scene Response Team's (CSRT) responding and processing the scene and all CSRT Liaisons being present to observe and assist. Upon completion of this training, attendees will be able to better understand the planning and response to a mass fatality incident scene, process a mass fatality crime scene and trouble shoot all aspects of a mass fatality crime scene. (16 hours)

Spectral Interpretation Applications: This course is designed to give extensive review of the interpretation of mid-range spectra. Course covers the chemical structures of those found in controlled substances. At the completion of this course, Controlled Substance Scientists will obtain additional skill in how to interpret FTIR spectra for structural information, interpret data and present information for court testimony in the area of FTIR instrumentation. (40 hours)

Glock and Beretta Tour: Touring firearm manufacturers is essential training for examiners to become familiar with and to stay current with the manufacturing process. They will be exposed to the entire manufacturing process of hand guns and rifles. Upon completion, attendees will be able to understand and explain the differences in manufacturing processes used for Beretta and Glock firearms, apply practical knowledge to what was learned through reading assignments and be able to differentiate between certain processes and have a full understanding and ability to explain these processes. (32 hours)

Fire Debris Analysis: The Fire Debris Analysis is comprised of lessons on the subjects of basic organic chemistry, ignitable liquid production, gas chromatography, mass spectrometry, extraction of ignitable liquid residues, and laboratory analysis of ignitable liquids. Upon the completion of this training, attendees will be able to understand the theory of gas chromatography – mass spectrometry and be able to develop an analytical method for analysis, have knowledge of petroleum industry operations and how ignitable liquids are produced and understand the ASTM International methods of extraction and analysis of ignitable liquids. The culmination will be the student's ability to analyze and classify ignitable liquids. (40 hours)

Robert Borkenstein Course on the Effects of Drugs on Human Performance and Behavior: The Borkenstein Drug Course covers topics related to pharmacology of drugs and their effects on psychomotor performance and driving. The course is taught by international experts who will discuss the pharmacology, toxicology and human performance effects of major drug classes associated with driving impairment. Additionally, upon completion of this course participants will have a more in-depth understanding of how drugs impact traffic safety, a better understanding of the chemistry and pharmacology of drugs and confidence in the presentation of drug information in a courtroom setting. (40 hours)

Understanding Exclusion and Sufficiency Decisions: This training provides instruction in determining the value of a latent print for exclusion as well as recommendation on how to appropriately make and document exclusion decisions. Examiners will discuss critical concepts involved in sufficiency and exclusion and appropriately explain those concepts to a jury, use current SWGFAST standards and ISO requirements when applying the concepts to casework and understand the risk of erroneous exclusions, which has been identified as a field wide problem, and apply several approaches to reduce the rate of those errors. (36 hours)

Advanced Shooting Incident Reconstruction: This course is advanced training in shooting scene reconstruction with topics including advances in ammunition, incorporation of bloodstain evidence, report writing, motor vehicle shooting scenes, presentation of findings and case studies. Upon completion, attendees will be able to more thoroughly process shooting scenes for reconstruction purposes, provide a more detailed possible scenario for shooting scenes and more accurately interpret evidence at a shooting scene. (40 hours)

Advanced Bloodstain Pattern Analysis: During the Advanced Bloodstain Pattern Analysis course students will participate in practical exercises to enhance their ability to document and interpret complex bloodstain pattern crime scenes and evidence. This will be accomplished by having the participant's process bloodstain pattern crime scenes and by examination of the clothing that was worn while the scenes were created. In addition, the participants will receive training in the presentation of the bloodstain pattern evidence and in the writing of bloodstain pattern analysis reports. (40 hours)

Advanced Fire Debris Analysis: This advanced course is comprised of lessons about basic organic chemistry, ignitable liquid production, gas chromatography, mass spectrometry, extraction of ignitable liquid residues, and laboratory analysis of ignitable liquids. Upon completion of this course, attendees will be able to understand advanced topics on the theory of gas chromatography – mass spectrometry and be able to develop an analytical method for analysis, have advanced knowledge of petroleum industry operations and how ignitable liquids are produced and have further understanding of the ASTM International methods of extraction and analysis of ignitable liquids. (40 hours)

Advanced ACE-V Applications of Fingerprint Examinations: This course takes ACE-V to the next level. In the course, we deconstruct ACE-V into the various stages and perform exercises, individually and as a group, to demonstrate the course material. We will explore significant decisions and steps during each of the phases of ACE-V: Analysis, Comparison, Evaluation, and Verification. Students taking this course will have a greater appreciation for the complexities of ACE-V and decision making, will be knowledgeable of the most current research and standards regarding ACE-V, and will be exposed to complex current issues (such as bias, error rate, probabilistic reasoning, etc.). (40 hours)

Sig Sauer and Remington Ammunition Manufacturer Tour: During this tour attendees will have the opportunity to view the manufacturing process of handgun and rifle ammunition. Upon completion of this tour, attendees will have a clear understanding of the entire manufacturing process of ammunition, have the practical knowledge of the manufacturing process and be a resource for the Firearms Unit and be able to use the information and knowledge obtained during expert qualifications in court. (10 hours)

Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework: This course offers practical exercises to enhance ability to interpret complex bloodstain patterns deposited on fabrics, textiles, and clothing. Students will also learn to evaluate bloodstain evidence from digital files by working on cases provided in a digital format. They will also be required to author a report and pass a final test. Upon completion, attendees will be able to properly examine clothing and other cloth materials for bloodstain patterns, understand how blood interacts with different fabric substrates and microscopic techniques for analysis and examine digital images and documents and author reports. (40 hours)

Advanced Footwear Analysis: This course covers advanced and specialized topics pertaining to the examination of footwear impression evidence. Focus of the course will be on the examination process; examination problems and conclusions; report preparation, contents and wording; and advanced casework challenges. Specific topics will include updates on aspects of footwear manufacturing; shoe grading and sizing as it relates to comparison with known shoes and the determination of the size of footwear from impressions; updates on techniques and materials regarding recovery of footwear evidence; SWGTREAD standards for terminology and for reporting results; court admissibility preparation; case presentations; research updates and other topics. (40 hours)

Detection of Forgery and Fabricated Latent Prints: This course offers instruction in analysis determination of forged or fabricated latent prints. Both lecture and hands-on analysis of latent prints are included in the course along with discussion on legal and scientific standards. Upon completion of this course, attendees will be able to understand and articulate recognition of red flags during analysis of latent prints, understand how to document and "prove" a latent print was fabricated or forged and have the ability to use objective measures to explain conclusions of fabrication and/or forgery to a jury. (16 hours)

Midwest Firearms Training Seminar: This training assists in the development of laboratory testing, management principles and disseminating crucial forensic based information. In addition, this meeting will bring together Laboratory Directors from the Midwest Region and provides opportunity for networking with members from other states neighboring the State of Michigan. (24 hours)

International Association of Bloodstain Pattern Analysts (IABPA) Conference: This conference provides workshops, research presentations, case studies, information on new equipment and networking for bloodstain pattern analyst from around the world. At the completion of the training the participant will be able to provide updated information on BPA to all analysts within MSP, perform bloodstain pattern analysis more effectively and efficiently and assist with standardization and procedures for bloodstain pattern analysis within MSP. (32 hours)

Advanced Fire Debris Online Course: The course is comprised of lessons on the subjects of fire dynamics, interfering products, degradation of ignitable liquids, and analysis of less common ignitable liquids. The lessons also include data analysis of ignitable liquid residues from fire debris, emerging methods of data analysis, and quality assurance/quality control procedures. Upon the completion of this course, attendees will have a general knowledge of fire dynamics and the processes that interfere with interpretation and identification of ignitable liquid residues, will know how to analyze ignitable liquid residues that are complicated by these processes and will learn about new emerging methods of data analysis. (40 hours)

Logical Latent Print Analysis: Instruction in innovative techniques that can be employed when conducting latent print examinations to assist with efficiency of case completion and compliment current smart searching techniques. Both lecture and hands-on analysis of latent prints are included in the course along with discussion on legal and scientific standards. At the completion of this course, attendees will be able to understand and articulate recognition of red flags during analysis of latent prints, understand how to document and "prove" a latent print was fabricated or forged and have the ability to use objective measures to explain conclusions of fabrication and/or forgery to a jury. (16 hours)

Tire Analysis: This course has specialized topics pertaining to the examination of tire track impression evidence. Focus of the course will be on the examination process; examination problems and conclusions; report preparation, contents and wording; and advanced casework challenges. Specific topics will include updates on aspects of tire manufacturing as it relates to comparison with known tires, updates on techniques and materials regarding recovery of tire track evidence. Upon completion of this course, attendees will be informed of current developing trends in Tire Track Evidence collection, comparisons and identifications, will learn/enhance techniques which will improve the quality and efficiency in the delivery of Forensic Science service and learn new/improved Tire Track analysis techniques which will assist in daily casework and crime scenes. (40 hours)

Comparison of Sole Impressions: This course provides training on the analysis and comparison of sole impressions which is not met in any other training course. Lecture and hands-on exercises are given during the training. Upon completion of this course, attendees will be able to analyze latent impressions to determine if they were made by the sole of the foot or palm of the hand, use smart searching techniques to best compare sole impression prints and understand the limitation of analysis and suitability for exclusion based on available ridge skin. (16 hours)

Polarized Light Microscopy: The student will learn highly specialized principles, theory, and practice of polarized light microscopy (PLM), hands-on article identification and materials characterization using a polarized light microscope and overview of published reference literature. Upon completion, attendees will be informed of current developing trends in PLM, will learn/enhance techniques which will improve the quality and efficiency in the delivery of Forensic Science service and will learn new/improved analytical techniques which will assist in daily casework. (40 hours)

Midwest Crime Lab Director's Training: This training focuses on current management issues for regional forensic laboratory directors, training needs for the analytical community, and forensic research developments. Participation allows FSD's Laboratory Directors to share information and network with Midwestern states while addressing current management, training, and research issues in forensic science. Additionally, participants provide input regarding training and research topics to be conducted by the Midwest Forensic Resource Center during the ensuing year. (24 hours)

Mass Spectral Interpretation Online Course: A class to develop skill in quick and accurate mass spectral interpretation. Upon completion of this course, attendees will employ a strategic procedure to interpret mass spectra, understand fragmentation as it relates to molecular structure and use library search algorithms for interpretation of spectral data, including mixed spectra. (18 hours)

Paint Analysis: During this course, the student will learn highly specialized methods that can be successfully applied to paint. Topics that will be discussed include analysis techniques, instrumental analysis, manufacturing updates. Upon completion, attendees will be informed of current developing trends in instrumental analysis, microscopy and analysis of Paint Evidence, learn/enhance techniques which will improve the quality and efficiency in the delivery of Forensic Science service and will learn new/improved analytical techniques which will assist in daily casework. (40 hours)

Fire Debris Analysis Online Course: The course is comprised of lessons on the subjects of basic organic chemistry, ignitable liquid production, gas chromatography, mass spectrometry, extraction of ignitable liquid residues, and laboratory analysis of ignitable liquids. Upon completion, attendees will understand the theory of gas chromatography – mass spectrometry and be able to develop an analytical method for analysis of ignitable liquids, have knowledge of petroleum industry operations and how ignitable liquids are produced and understand the ASTM International methods of extraction and analysis of ignitable liquids. The culmination will be the student's ability to analyze and classify ignitable liquids. (40 hours)

Explosives Analysis: This course addresses the identification and analysis of low explosives in pre-blast and post-blast evidence using simple wet chemical tests, macroscopical and microscopical methods (microchemical tests) to efficiently process evidence from bomb scenes. Using the approach of “work to exclude”, the student will learn how to process the bomb scene debris quickly and correctly to eliminate possible explosive residues and particles. More involved sample preparation and instrumental methods can then be applied for confirming the type of explosive used. (40 hours)

International Society of Explosives Engineers (ISEE) Conference: This conference covers the composition of various types of explosives used in the commercial field, the type of explosive utilized for the type of blast required, the type of analyses employed to identify these types of explosives both pre and post blast, storage and handling of the type of explosive used, types of fuses used and their chemical components, expected results from analysis. At the completion of the training the participant will be able to gain industry contacts pertaining to explosives, learn information to apply to reacted and/or unreacted (undetonated or detonated) investigations, learn/enhance techniques which will improve the quality and efficiency in the delivery of Forensic Science service statewide and learn new/improved analytical techniques which will assist in daily casework. (36 hours)

Ion Chromatography: This hands-on course is designed to develop fundamental and operational skills of IC systems and is strongly recommended for IC users with a minimum of 2 months of hands-on experience who would like to further expand their knowledge on the principles of IC, how to successfully operate their IC system, and properly maintain its consumables. Upon completion, attendees learn theory and operation of IC, learn proper instrument maintenance and new troubleshooting “tips and tricks”. (32 hours)

Southeastern Association of Forensic Document Examiners (SAFDE): SAFDE is one of only three forensic documents organizations in the country. This training will include workshops, paper presentations, poster presentations, and exhibits by vendors. Examiners will be informed of current developing trends in the Forensic Questioned Documents field, learn new analytical techniques which will assist in daily case work and acquire techniques which will improve efficiency in the delivery of forensic science services statewide. Because only document examiners will be in attendance, this will allow for small group discussions and opportunity to make one on one contact with other document examiners in the country. (24 hours)

Print Process Identification Forensic Document Examiner Conference: This conference will explore the latest printing processes and security features currently being used to authenticate documents as well as replicate them, through various presentations and hands-on workshops. Upon completion, attendees will learn how to identify imaging characteristics of traditional and non-impact printing systems, learn how to evaluate the imaging process, ink and substrate used in a document and will learn new analytical techniques to determine document authenticity. (32 hours)

Fit Testing Refresher and Advanced Topics: This course offers advanced topics in management of respiratory protection programs. Upon completion, attendees will be able to identify factors that cause respirators to fail a fit test and strategies for resolving failed fit tests, establish effective guidelines for respirator change out schedules and establish effective guidelines for respirator selection. (24 hours)

American Industrial Hygiene Conference and Expo: This premiere annual conference for industrial hygienists offers continuing education programs, professional development sessions, networking opportunities, and access to regulatory specialists. At the completion of the training the participant will be able to maintain CIH certification and improve knowledge of industrial hygiene practices, gain a better understanding of industrial hygiene equipment and services by meeting with equipment and product vendors and promote the department’s industry leading efforts to create a healthy, safe, and productive work environment for the law enforcement community. (24 hours)

Shot Show: Attendees will be exposed to over 350 new firearm related products from multiple retailers located in the US and from around the world. At the completion of the training the participant will have a greater knowledge of both firearms and ammunition and new developments, be a resource for the MSP firearms unit in the area of new developments in the firearm industry and be able to apply knowledge gathered to daily casework. (32 hours)

SOFT Continuing Education Workshops: The Society of Forensic Toxicologists recognizes the need to provide continuing education for forensic toxicologists and offers many training opportunities in this realm. (1-8 hours)

SECTION 2 - PROJECT NARRATIVE

C. TRAINING METHODS

Describe how the training will be delivered for each course/topic. Identify program developers and instructors and describe their qualifications. Outline the method(s) of presentation. Include the hours of training and where the training will occur. Describe the training materials that will be developed or provided.

Refer to Page 19 of the Grant Manual

Where possible, course instructors have been identified for the requested training and are included in the chart that follows. Much of the training identified in this proposal will be delivered via lecture, practical exercises, and/or presentation of scientific research at seminars, symposia, and workshops where the instructors are recognized experts in the forensic community, specializing in the subject matter presented. Specific information for these sessions is often not available at the time of application; as a result, instructors are not listed for all programs. Instructors and agendas will be made available to the forensic community as workshops and presentations are finalized in the months ahead.

FSD Technical Leaders actively seek the most appropriate training opportunities for their respective disciplines. As indicated in the Problem Identification, programs to address the Division's specialized training needs are typically not available through in-state vendors or structured for in-house delivery. As a result, training must often be obtained through external sources and taken advantage of when and where the programs are offered. With laboratory staffing levels and training needs continually increasing, FSD has made a concentrated effort to bring training programs in-state when feasible and fiscally possible; six in-state programs have been identified for 2021. A listing of all requested programs and known logistics are provided in the chart that follows.

Because the majority of the training included in this request is administered by external parties, the minimal operational numbers for the identified programs are unknown. For the purpose of this application, the minimum operational response will be identified as N/A, as the trainee count is representative of the number of registration slots to be filled by Forensic Science Division personnel. Each program requested will have additional registration slots to be filled by other agencies and/or organizations. Minimal enrollment determination is the responsibility of the training instructor or entity for these programs.

Training materials associated with these programs are typically those received by Division personnel as handouts from workshops or formal presentations. These training materials are shared with other members of the forensic laboratory system, when copying is permitted, or through circulation at unit and laboratory trainings. Participants may be asked to orally present material to other FSD members or write a summary of the material for any of the programs.

Training	Program Developers	Instruction Hours	Presentation Method	Instructors	Location
ANAB Training	ANSI National Accreditation Board	27	Classroom	TBD	Lansing, MI
ASCLD Symposium	American Society of Crime Laboratory Directors	40	Multiple Workshops and Sessions	Multiple Experts	Boston, MA
MAFS Training	Midwestern Association of Forensic Scientists	40	Multiple Workshops and Sessions	Multiple Experts	Chicago, IL
Digital Imaging	TBD	40	Classroom and Practical Exercises	TBD	TBD
SOFT Training	Society of Forensic Toxicologists	40	Workshops, Posters, Presentations	Multiple Experts	San Diego, CA
Palm Print Comparison Techniques	Ron Smith and Associates	24	Classroom	Ron Smith	TBD
AFTE Training	Association of Firearm and Tool Mark Examiners	48	Workshops and Presentations	Multiple Experts	Miami, FL
Shooting Incident Reconstruction	Forensic Training Source	40	Classroom and Practical Exercises	TBD	TBD
DEA Forensic Chemist Seminar	Drug Enforcement Administrations	40	Classroom and Practical Exercises	TBD	Dulles, VA
ASQDE Training	American Society of Questioned Document Examiners	40	Workshops and Presentations	Multiple Experts	Frankenmuth, MI
AFQAM Training Conference	Association of Forensic Quality Assurance Managers	28	Classroom	Multiple Experts	TBD
Expert Witness	Michigan State Police Forensic Science Division	36	Classroom and Practical Exercises	Derek Knoll, Carrie Holka and Various other Experts	Lansing, MI
AAFS Training	American Academy of Forensic Sciences	48	Multiple Workshops and Sessions	Multiple Experts	Houston, TX
Analysis of Distortion in Latent Prints	Evolve Forensics	16	Classroom and Practical Exercises	Alice Maceo	TBD
Fiber Analysis	TBD	40	Classroom	TBD	TBD
Crime Scene Reconstruction I	Bevel, Gardner & Associates	40	Classroom	TBD	Detroit, MI
CLIC Training	Clandestine Laboratory Investigating Chemists	36	Classroom	Multiple Experts	Nashville, TN
MATT Drug Monitoring Training	Midwest Association of Toxicology and Therapeutic Drug Monitoring	16	Workshops and Presentations	Multiple Experts	TBD
Federal and Winchester Ammunition Tour	Federal Ammunition and Winchester Ammunition	24	Tour	TBD	Oxford, MS and Anoka, MN
IAI Conference	International Association for Identification	48	Workshop and Presentation	Multiple Experts	Nashville, TN
Technician Witness	Michigan State Police Forensic Science Division	24	Classroom and Practical Exercises	Derek Knoll, Carrie Holka and Various other Experts	Lansing, MI
Footwear Analysis	TBD	40	Classroom	TBD	TBD
Essential Ridgeology Techniques	Ron Smith and Associates	40	Classroom and Practical Exercises	John Bush	TBD

Training	Program Developers	Instruction Hours	Presentation Method	Instructors	Location
Mass Fatality Incident Exercise	Michigan State Police Forensic Science Division	16	Classroom and Practical Exercises	Guy Nutter & Various Experts	TBD, MI
Spectral Interpretation Applications	Unity Lab Services	40	Classroom	TBD	Madison, WI
Glock and Beretta Tours	Glock and Beretta Manufacturer	32	Tour	TBD	Smyrna, GA and Gallatin, TN
Fire Debris Analysis	TBD	40	Classroom	TBD	TBD
Robert Borkenstein Course on the Effects of Drugs on Human Performance and Behavior	Indiana University Center for Studies of Law in Action	40	Classroom and Practical Exercises	Multiple Experts	TBD
Understanding Exclusion and Sufficiency Decisions	Ron Smith and Associates	36	Classroom	Glenn Langenburg and John Black	TBD
Advanced Shooting Incident Reconstruction	Forensic Training Source	40	Classroom and Practical Exercises	TBD	TBD
Advanced Bloodstain Pattern Analysis	TBD	40	Classroom and Practical Exercises	TBD	TBD
Advanced Fire Debris Analysis	TBD	40	Classroom	TBD	TBD
Advanced ACE-V Applications for Fingerprint Examiners	Ron Smith and Associates	40	Classroom	Glenn Langenburg	TBD
Sig Sauer and Remington Ammunition Manufacturer Tour	Sig Sauer and Remington Manufacturer	10	Tour	TBD	Jacksonville and Lonoke, AR
Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework	Miami-Dade Public Safety Training Institute	40	Classroom and Practical Exercises	Toby Wolson and LeeAnn Singley	TBD
Advanced Footwear Analysis	TBD	40	Classroom	TBD	TBD
Detection of Forgery and Fabricated Latent Prints	TriTech Forensics	16	Classroom	Rachelle Babler and Tom Washington	TBD
Midwest Firearms Training Seminar	Midwest Firearms Examiner	24	Classroom	TBD	Indianapolis, IN
IABPA Conference	International Association of Bloodstain Pattern Analysts	32	Workshops, Presentation, Case Studies	Multiple Experts	TBD
Advanced Fire Debris Online Course	National Center for Forensic Science, University of Central Florida, College of Sciences	40	Virtual	TBD	Online
Logical Latent Print Analysis	TriTech Forensics	16	Classroom and Practical Exercises	Mack Brazelle	TBD
Tire Analysis	TBD	40	Classroom	TBD	TBD
Comparison of Sole Impressions	Michigan State Police Forensic Science Division and Amanda Crooker	16	Classroom and Practical Exercises	Ashley Sellenraad and Amanda Crooker	TBD

Training	Program Developers	Instruction Hours	Presentation Method	Instructors	Location
Polarized Light Microscopy	TBD	40	Classroom and Practical Exercises	TBD	TBD
Midwest Crime Laboratory Directors Training	Midwest Crime Laboratory Directors	24	Workshops and Presentations	Multiple Experts	TBD
Mass Spectral Interpretation Online Course	TBD	18	Virtual	TBD	Online
Paint Analysis	TBD	40	Classroom	TBD	TBD
Fire Debris Analysis Online Course	National Center for Forensic Science, University of Central Florida, College of Sciences	40	Virtual	TBD	Online
Explosives Analysis	TBD	40	Classroom	TBD	TBD
ISEE Conference	International Society of Explosives Engineers	36	Workshops and Presentations	Multiple Experts	Orlando, FL
Ion Chromatography	TBD	32	Classroom and Practical Exercises	TBD	TBD
SAFDE	Southern Association of Forensic Document Examiners	24	Workshops and Presentations	Multiple Experts	TBD
Print Process Identification Forensic Document Examiners Conference	Print Process Identification Forensic Document Examiners	32	Workshops, Presentations, Practical Exercises	Multiple Experts	Charlotte, NC
Fit Testing Refresher and Advanced Topics	University of Cincinnati	24	Classroom	Dr. Roy T. McKay	Cincinnati, OH
American Industrial Hygiene Conference and Expo	American Industrial Hygiene Association (AIHA) and American Conference of Governmental Industrial Hygienists (ACGIH)	24	Virtual	Multiple Experts	Online
Shot Show	Firearms Industry Trade Association	32	Presentations, Exhibits	Multiple Experts	Las Vegas, NV
SOFT Continuing Education Workshops	Society of Forensic Toxicologists	1-8	TBD	TBD	TBD

SECTION 2 - PROJECT NARRATIVE

D. EVALUATION

In addition to participant feedback, describe how the participants will be evaluated on their acquisition of knowledge for each course/topic.

Refer to Page 19 of the Grant Manual

The majority of the training programs identified in this request are delivered through established, external providers. The vendors and/or institutions, course content, and instructional staff have been in operation for many years; the value of these programs is confirmed through the continued participation/attendance of the forensic community, as well as the Forensic Science Division's satisfaction with attendee performance on the job. Training programs with formalized course structure routinely include internal methods for evaluating participant progress – typically through laboratory exercises, hands-on staff instruction, or certificate issuance upon satisfactory completion of course requirements.

All laboratory personnel who attend formalized training are required to complete participant evaluations of the program content and instruction received. FSD has found these evaluations to be a valuable method for measuring the effectiveness of programs attended. When participants feel that a course falls short of the expected quality or depth of instruction, they are candid with their opinions. Equally important, participants who have a particularly high opinion of a course or specific instructor often request additional training for themselves and their unit based upon that experience. Feedback provided in the participant evaluations is used to support continued participation in a program or to identify alternate training sources to better meet the needs of our personnel.

In addition to certificates of completion and participant training evaluations, the Forensic Science Division monitors the proficiency of its analysts and examiners in the following manner:

1. The employee's supervisor provides an annual Performance Appraisal of each employee.
2. The Forensic Science Division conducts multiple proficiency tests of each employee annually. These proficiency tests are supplied by an external testing agency and are designed to measure the analyst's ability to obtain accurate results, knowledge of appropriate analytical methods, and ability to properly interpret and report results. The Division maintains records of employee performance; successful completion of all proficiency tests is mandatory.
3. In addition to the external proficiency testing, the Division has instituted internal proficiency tests designed to measure the competency of the analysts.
4. The analytical performance of the forensic personnel is reflected in their ability to obtain reliable results for the investigating officers and prosecutors. This performance is measured by evaluation of courtroom testimony through an annual written evaluation of each analyst by a supervisor or coworker and written evaluations of courtroom performance are provided periodically by prosecutors, judges, and investigating officers.
5. The Forensic Science Division laboratories are accredited by the ANSI National Accreditation Board (ANAB). This accreditation sets minimum standards for employee skill levels and training. Every five years the laboratory system is re-accredited by ANAB and skill levels of employees are verified.
6. The immediate supervisor technically reviews each employee's work for accuracy and completeness. Each discipline has a statewide program coordinator who is responsible for conducting yearly audits at each of the Division's seven laboratories. Any deficiencies are noted and the necessary corrective action is taken.
7. At a minimum, employees who receive training make presentations to other members of their discipline at annual unit trainings. Information gained through training is summarized and distributed to other unit members, and included in the unit's procedure manual, when appropriate.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

ANAB Training

Training Location

Lansing, MI

Maximum Participants

20

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

27

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$553.21	\$0.00	\$553.21
Contractual Services	\$	\$	\$
Tuition	\$10,000.00	\$10,000.00	\$0.00
Travel	\$3,085.50	\$3,085.50	\$0.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$13,638.71	\$13,085.50	\$553.21

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ANAB TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$553.21

Contractual Services: No funds will be used for contractual services.

Tuition: There is a flat fee that will be paid to ANAB for the delivery of the ANAB training.

GRANT SHARE = \$10,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-and-a-half-day training to be held in Lansing, MI, budgeted for 20 employees to attend. FSD has employees spread out throughout the state at seven different laboratories, this travel is necessary for all designated employees to attend. It is estimated that nine employees will be from the Lansing Laboratory and will not incur any travel expenses. Costs include: Lunch - \$280.50 (11 people x 3 days x \$8.50), Lodging - \$2,805.00 (11 people x 3 nights x \$85).

GRANT SHARE = \$3,085.50 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for ***each topic/course*** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
ASCLD Symposium

Training Location
Boston, MA

Maximum Participants 10	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 40	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$ 468.19	\$0.00	\$ 468.19
Contractual Services	\$	\$	\$
Tuition	\$ 7,000.00	\$ 7,000.00	\$0.00
Travel	\$14,062.50	\$11,462.50	\$2,600.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$21,530.69	\$18,462.50	\$3,068.19

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ASCLD SYMPOSIUM

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$468.19

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$7,000.00 (10 people x \$700.00).

GRANT SHARE = \$7,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in Boston, MA and 10 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$5,500.00 (10 people x \$550.00), Breakfast - \$650.00 (10 people x 5 days x \$13.00), Lunch - \$650.00 (10 people x 5 days x \$13.00), Dinner - \$1,262.50 (10 people x 5 days x \$25.25), Lodging - \$3,400.00 (10 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$2,600.00 (10 people x 4 nights x \$65.00).

GRANT SHARE = \$11,462.50 MATCH SHARE = \$2,600.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

MAFS Training

Training Location

Chicago, IL

Maximum Participants

28

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$ 516.74	\$0.00	\$ 516.74
Contractual Services	\$	\$	\$
Tuition	\$ 28,420.00	\$ 28,420.00	\$0.00
Travel	\$35,371.00	\$19,411.00	\$15,960.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$64,307.74	\$47,831.00	\$16,476.74

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

MAFS TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$516.74

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$28,420.00 (28 people x \$1,015.00).

GRANT SHARE = \$28,420.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in Chicago, IL and 28 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$336.00 (28 people x \$12.00), Breakfast - \$1,820.00 (28 people x 5 days x \$13.00), Lunch - \$1,820.00 (28 people x 5 days x \$13.00), Dinner - \$3,535.00 (28 people x 5 days x \$25.25), Lodging - \$11,900.00 (28 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$15,960.00 (28 people x 5 nights x \$114.00).

GRANT SHARE = \$19,411.00 MATCH SHARE = \$15,960.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Digital Imaging

Training Location

TBD

Maximum Participants

5

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$ 344.49	\$0.00	\$ 344.49
Contractual Services	\$	\$	\$
Tuition	\$7,500.00	\$7,500.00	\$0.00
Travel	\$7,870.00	\$6,245.00	\$1,625.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$15,714.49	\$13,745.00	\$1,969.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

DIGITAL IMAGING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$7,500.00 (5 people x \$1,500.00).

GRANT SHARE = \$7,500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and five employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,800.00 (5 people x \$560.00), Breakfast - \$307.50 (5 people x 6 days x \$10.25), Lunch - \$307.50 (5 people x 6 days x \$10.25), Dinner - \$705.00 (5 people x 6 days x \$23.50), Lodging - \$2,125.00 (5 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,625.00 (5 people x 5 nights x \$65.00).

GRANT SHARE = \$6,245.00 MATCH SHARE = \$1,625.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

SOFT Training

Training Location

San Diego, CA

Maximum Participants

5

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$ 353.75	\$0.00	\$ 353.75
Contractual Services	\$	\$	\$
Tuition	\$5,000.00	\$5,000.00	\$0.00
Travel	\$10,287.50	\$7,412.50	\$2,875.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$15,641.25	\$12,412.50	\$3,228.75

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SOFT TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$353.75

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$5,000.00 (5 people x \$1,000.00).

GRANT SHARE = \$5,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in San Diego, CA and five employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$3,750.00 (5 people x \$750.00), Breakfast - \$390.00 (5 people x 6 days x \$13.00), Lunch - \$390.00 (5 people x 6 days x \$13.00), Dinner - \$757.50 (5 people x 6 days x \$25.25), Lodging - \$2,125.00 (5 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$2,875.00 (5 people x 5 nights x \$115.00).

GRANT SHARE = \$7,412.50 MATCH SHARE = \$2,875.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Palm Print Comparison Techniques

Training Location

TBD

Maximum Participants

3

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

24

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$245.73	\$0.00	\$245.73
Contractual Services	\$	\$	\$
Tuition	\$1,200.00	\$1,200.00	\$0.00
Travel	\$3,233.50	\$3,193.00	\$40.50
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$4,679.23	\$4,393.00	\$286.23

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

PALM PRINT COMPARISON TECHNIQUES

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$245.73

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,200.00 (3 people x \$400.00).

GRANT SHARE = \$1,200.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,900.00 (3 people x \$550.00 + \$250.00 car rental), Breakfast - \$123.00 (3 people x 4 days x \$10.25), Lunch - \$123.00 (3 people x 4 days x \$10.25), Dinner - \$282.00 (3 people x 4 days x \$23.50), Lodging - \$765.00 (3 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$40.50 (3 people x 3 nights x \$4.50).

GRANT SHARE = \$3,193.00 MATCH SHARE = \$40.50

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

AFTE Training

Training Location

Miami, FL

Maximum Participants

6

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

48

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$432.12	\$0.00	\$432.12
Contractual Services	\$	\$	\$
Tuition	\$6,600.00	\$6,600.00	\$0.00
Travel	\$13,848.00	\$9,708.00	\$4,140.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$20,880.12	\$16,308.00	\$4,572.12

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

AFTE TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$432.12

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$6,600.00 (6 people x \$1,100.00).

GRANT SHARE = \$6,600.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a six-day training to be held in Miami, FL and six employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$4,800.00 (6 people x \$800.00), Breakfast - \$430.50 (6 people x 7 days x \$10.25), Lunch - \$430.50 (6 people x 7 days x \$10.25), Dinner - \$987.00 (6 people x 7 days x \$23.50), Lodging - \$3,060.00 (6 people x 6 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$4,140.00 (6 people x 6 nights x \$115.00).

GRANT SHARE = \$9,708.00 MATCH SHARE = \$4,140.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Shooting Incident Reconstruction

Training Location

TBD

Maximum Participants

20

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$620.47	\$0.00	\$620.47
Contractual Services	\$	\$	\$
Tuition	\$15,000.00	\$15,000.00	\$0.00
Travel	\$11,180.00	\$10,380.00	\$800.00
Supplies & Operating	\$4,000.00	\$4,000.00	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$30,800.47	\$29,380.00	\$1,420.47

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SHOOTING INCIDENT RECONSTRUCTION

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$620.47

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is a flat rate of \$15,000.00.

GRANT SHARE = \$15,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and 20 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Breakfast - \$820.00 (20 people x 5 days x \$10.25), Lunch - \$820.00 (20 people x 5 days x \$10.25), Dinner - \$1,940.00 (20 people x 5 days x \$24.25), Lodging - \$6,800.00 (16 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$800.00 (16 people x 5 nights x \$10.00).

GRANT SHARE = \$10,380.00 MATCH SHARE = \$800.00

Supplies & Operating: Due to the uniqueness of this training, training space needs to be rented and supplies need to be acquired. Costs include: Training Room - \$1,000.00, Shooting Range - \$2,000.00 and Supplies (vehicles and tow expenses) - \$1,000.00.

GRANT SHARE = \$4,000.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

DEA Forensic Chemist Seminar

Training Location

Dulles, VA

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$265.92	\$0.00	\$265.92
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$3,048.50	\$2,148.50	\$900.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$3,314.42	\$2,148.50	\$1,165.92

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

DEA FORENSIC CHEMIST SEMINAR

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$265.92

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in Dulles, VA and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,148.50 (2 people x \$1,074.25), Breakfast - \$26.00 (2 people x 1 days x \$13.00), Lunch - \$52.00 (2 people x 2 days x \$13.00), Dinner - \$50.50 (2 people x 1 days x \$25.25), Lodging - \$850.00 (2 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$900.00 (2 people x 5 nights x \$90.00).

GRANT SHARE = \$2,148.50 MATCH SHARE = \$900.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
ASQDE Training

Training Location
Frankenmuth, MI

Maximum Participants 3	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 40	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$1,575.00	\$1,575.00	\$0.00
Travel	\$1,990.50	\$1,923.00	\$67.50
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$3,909.99	\$3,498.00	\$411.99

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ASQDE TRAINING

Personnel: Costs for personnel are administrative costs for creating the course content, finding instructors, facilitating the training, securing location, making travel arrangements, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,575.00 (3 people x \$525.00).

GRANT SHARE = \$1,575.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training that will be held in Frankenmuth, MI and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Breakfast - \$153.00 (3 people x 6 days x \$8.50), Lunch - \$153.00 (3 people x 6 days x \$8.50), Dinner - \$342.00 (3 people x 6 days x \$19.00), Lodging - \$1,275.00 (3 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$67.50 (3 people x 5 nights x \$4.50).

GRANT SHARE = \$1,923.00 MATCH SHARE = \$67.50

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

AFQAM Training Conference

Training Location

TBD

Maximum Participants

8

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

28

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$331.93	\$0.00	\$331.93
Contractual Services	\$	\$	\$
Tuition	\$2,000.00	\$2,000.00	\$0.00
Travel	\$10,160.00	\$8,880.00	\$1,280.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$12,491.93	\$10,880.00	\$1,611.93

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

AFQAM TRAINING CONFERENCE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$331.93

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$2,000.00 (8 people x \$250.00).

GRANT SHARE = \$2,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-and-a-half-day training to be held in a location yet to be determined and eight employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$4,400.00 (8 people x \$550.00), Breakfast - \$410.00 (8 people x 5 days x \$10.25), Lunch - \$410.00 (8 people x 5 days x \$10.25), Dinner - \$940.00 (8 people x 5 days x \$23.50), Lodging - \$2,720.00 (8 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,280.00 (8 people x 4 nights x \$40.00).

GRANT SHARE = \$8,880.00 MATCH SHARE = \$1,280.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Expert Witness

Training Location

Lansing, MI

Maximum Participants

16

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

36

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$4,444.09	\$0.00	\$4,444.09
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$8,130.00	\$8,130.00	\$0.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$12,574.09	\$8,130.00	\$4,444.09

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

EXPERT WITNESS

Personnel: Costs for personnel are administrative costs for creating the course content, finding instructors, facilitating the training, securing location, making travel arrangements, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$4,444.09

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-and-a-half-day training that will be held in Lansing, MI and 16 employees are budgeted to attend. FSD has employees spread out throughout the state at seven different laboratories, this travel is necessary for all employees to be able to attend. Costs include: Airfare/Other - \$250 (parking) - Breakfast - \$544.00 (16 people x 4 days x \$8.50), Lunch - \$680.00 (19 people x 5 days x \$8.50), Dinner - \$1,216.00 (16 people x 4 days x \$19.00), Lodging - \$5,440.00 (16 people x 4 nights x \$85).

GRANT SHARE = \$8,130.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

AAFS Training

Training Location

Houston, TX

Maximum Participants

10

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

48

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$602.29	\$0.00	\$602.29
Contractual Services	\$	\$	\$
Tuition	\$7,250.00	\$7,250.00	\$0.00
Travel	\$18,825.00	\$11,825.00	\$7,000.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$26,677.29	\$19,075.00	\$7,602.29

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

AAFS TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$602.29

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$7,250.00 (10 people x \$725.00).

GRANT SHARE = \$7,250.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a six-day training to be held in Houston, TX and 10 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$4,500.00 (10 people x \$450.00), Breakfast - \$780.00 (10 people x 6 days x \$13.00), Lunch - \$780.00 (10 people x 6 days x \$13.00), Dinner - \$1,515.00 (10 people x 6 days x \$25.25), Lodging - \$4,250.00 (10 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$7,000.00 (10 people x 5 nights x \$140.00).

GRANT SHARE = \$11,825.00 MATCH SHARE = \$7,000.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Analysis of Distortion in Latent Prints

Training Location

TBD

Maximum Participants

3

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

16

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$409.56	\$0.00	\$409.56
Contractual Services	\$	\$	\$
Tuition	\$975.00	\$975.00	\$0.00
Travel	\$3,233.50	\$3,193.00	\$40.50
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$4,618.06	\$4,168.00	\$450.06

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ANALYSIS OF DISTORTION IN LATENT PRINTS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$409.56

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$975.00 (3 people x \$325.00).

GRANT SHARE = \$975.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a two-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,900.00 (3 people x \$550.00 + \$250.00 car rental), Breakfast - \$123.00 (3 people x 4 days x \$10.25), Lunch - \$123.00 (3 people x 4 days x \$10.25), Dinner - \$282.00 (3 people x 4 days x \$23.50), Lodging - \$765.00 (3 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$40.50 (3 people x 3 nights x \$4.50).

GRANT SHARE = \$3,193.00 MATCH SHARE = \$40.50

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for ***each topic/course*** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Fiber Analysis

Training Location
TBD

Maximum Participants 2	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 40	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$3,800.00	\$3,800.00	\$0.00
Travel	\$3,148.00	\$2,498.00	\$650.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$7,292.49	\$6,298.00	\$994.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

FIBER ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,800.00 (2 people x \$1,900.00).

GRANT SHARE = \$3,800.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$123.00 (2 people x 6 days x \$10.25), Lunch - \$123.00 (2 people x 6 days x \$10.25), Dinner - \$282.00 (2 people x 6 days x \$23.50), Lodging - \$850.00 (2 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$650.00 (2 people x 5 nights x \$65.00).

GRANT SHARE = \$2,498.00 MATCH SHARE = \$650.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Crime Scene Reconstruction I

Training Location

Detroit, MI

Maximum Participants

24

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$1,063.66	\$0.00	\$1,063.66
Contractual Services	\$	\$	\$
Tuition	\$14,424.00	\$14,424.00	\$0.00
Travel	\$10,867.50	\$10,147.50	\$720.00
Supplies & Operating	\$3,000.00	\$3,000.00	\$0.00
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$29,355.16	\$27,571.50	\$1,783.66

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

CRIME SCENE RECONSTRUCTION I

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$1,063.66

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$14,424.00 (24 people x \$601.00).

GRANT SHARE = \$14,424.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in Detroit, MI and 24 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Breakfast - \$922.50 (18 people x 5 days x \$10.25), Lunch - \$922.50 (18 people x 5 days x \$10.25), Dinner - \$2,182.50 (18 people x 5 days x \$24.25), Lodging - \$6,120.00 (18 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$720.00 (18 people x 4 nights x \$10.00).

GRANT SHARE = \$10,147.50 MATCH SHARE = \$720.00

Supplies & Operating: Due to the location of this training, training space needs to be rented and AV equipment needs to be acquired. Costs include: Training Room and AV Equipment - \$3,000.00.

GRANT SHARE = \$3,000.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
CLIC Training

Training Location
Nashville, TN

Maximum Participants 6	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 36	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$354.55	\$0.00	\$354.55
Contractual Services	\$	\$	\$
Tuition	\$4,500.00	\$4,500.00	\$0.00
Travel	\$10,044.00	\$7,344.00	\$2,700.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$14,898.55	\$11,844.00	\$3,054.55

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

CLIC TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$354.55

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$4,500.00 (6 people x \$750.00).

GRANT SHARE = \$4,500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-and-a-half-day training to be held in Nashville, TN and six employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$3,210.00 (6 people x \$535.00), Breakfast - \$369.00 (6 people x 6 days x \$10.25), Lunch - \$369.00 (6 people x 6 days x \$10.25), Dinner - \$846.00 (6 people x 6 days x \$23.50), Lodging - \$2,550.00 (6 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$2,700.00 (6 people x 5 nights x \$90.00).

GRANT SHARE = \$7,344.00 MATCH SHARE = \$2,700.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

MATT Drug Monitoring Training

Training Location

TBD

Maximum Participants

5

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

16

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$353.75	\$0.00	\$353.75
Contractual Services	\$	\$	\$
Tuition	\$800.00	\$800.00	\$0.00
Travel	\$6,410.00	\$5,260.00	\$1,150.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$7,563.75	\$6,060.00	\$1,503.75

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

MATT DRUG MONITORING TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$353.75

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$800.00 (5 people x \$160.00).

GRANT SHARE = \$800.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a two-day training to be held in a location yet to be determined and five employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$3,750.00 (5 people x \$750.00), Breakfast - \$153.75 (5 people x 3 days x \$10.25), Lunch - \$153.75 (5 people x 3 days x \$10.25), Dinner - \$352.50 (5 people x 3 days x \$23.50), Lodging - \$850.00 (5 people x 2 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,150.00 (5 people x 2 nights x \$115.00).

GRANT SHARE = \$5,260.00 MATCH SHARE = \$1,150.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Federal and Winchester Ammunition Tour

Training Location

Oxford, MS and Anoka, MN

Maximum Participants

10

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

24

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$324.09	\$0.00	\$324.09
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$11,320.00	\$10,020.00	\$1,300.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$11,644.09	\$10,020.00	\$1,624.09

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

FEDERAL AND WINCHESTER AMMUNITION TOUR

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$324.09

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training to be held in Oxford, MS and Anoka, MN and 10 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$7,000.00 (10 people x \$700.00), Breakfast - \$307.50 (10 people x 3 days x \$10.25), Lunch - \$307.50 (10 people x 3 days x \$10.25), Dinner - \$705.00 (10 people x 3 days x \$23.50), Lodging - \$1,700.00 (10 people x 2 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,300.00 (10 people x 2 nights x \$65.00).

GRANT SHARE = \$10,020.00 MATCH SHARE = \$1,300.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

IAI Conference

Training Location

Nashville, TN

Maximum Participants

16

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

48

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$409.56	\$0.00	\$409.56
Contractual Services	\$	\$	\$
Tuition	\$10,000.00	\$10,000.00	\$0.00
Travel	\$22,320.00	\$21,888.00	\$432.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$32,729.56	\$31,888.00	\$841.56

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

IAI CONFERENCE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$409.56

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$10,000.00 (16 people x \$625.00).

GRANT SHARE = \$10,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a six-day training to be held in Nashville, TN and 16 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$8,800.00 (16 people x \$550.00), Breakfast - \$1,148.00 (16 people x 7 days x \$10.25), Lunch - \$1,148.00 (16 people x 7 days x \$10.25), Dinner - \$2,632.00 (16 people x 7 days x \$23.50), Lodging - \$8,160.00 (16 people x 6 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$432.00 (16 people x 6 nights x \$4.50).

GRANT SHARE = \$21,888.00 MATCH SHARE = \$432.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Technician Witness

Training Location
Lansing, MI

Maximum Participants 16	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 24	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$3,333.07	\$0.00	\$3,333.07
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$4,008.00	\$4,008.00	\$0.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$7,341.07	\$4,008.00	\$3,333.07

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

TECHNICIAN WITNESS

Personnel: Costs for personnel are administrative costs for creating the course content, finding instructors, facilitating the training, securing location, making travel arrangements, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$3,333.07

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training that will be held in Lansing, MI and 16 employees are budgeted to attend. FSD has employees spread out throughout the state at seven different laboratories, this travel is necessary for all employees to be able to attend. Costs include: Breakfast - \$272.00 (16 people x 2 days x \$8.50), Lunch - \$408.00 (16 people x 3 days x \$8.50), Dinner - \$608.00 (16 people x 2 days x \$19.00), Lodging - \$2,720.00 (16 people x 2 nights x \$85).

GRANT SHARE = \$4,008.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Footwear Analysis

Training Location

TBD

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$3,000.00	\$3,000.00	\$0.00
Travel	\$2,760.00	\$2,240.00	\$520.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$6,104.49	\$5,240.00	\$864.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

FOOTWEAR ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,000.00 (2 people x \$1,500.00).

GRANT SHARE = \$3,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$102.50 (2 people x 5 days x \$10.25), Lunch - \$102.50 (2 people x 5 days x \$10.25), Dinner - \$235.00 (2 people x 5 days x \$23.50), Lodging - \$680.00 (2 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$520.00 (2 people x 4 nights x \$65.00).

GRANT SHARE = \$2,240.00 MATCH SHARE = \$520.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Essential Ridgeology Techniques

Training Location

TBD

Maximum Participants

3

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$409.56	\$0.00	\$409.56
Contractual Services	\$	\$	\$
Tuition	\$1,800.00	\$1,800.00	\$0.00
Travel	\$4,034.50	\$3,967.00	\$67.50
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$6,244.06	\$5,767.00	\$477.06

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ESSENTIAL RIDGEOLOGY TECHNIQUES

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$409.56

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,800.00 (3 people x \$600.00).

GRANT SHARE = \$1,800.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,900.00 (3 people x \$550.00 + \$250.00 car rental), Breakfast - \$184.50 (3 people x 6 days x \$10.25), Lunch - \$184.50 (3 people x 6 days x \$10.25), Dinner - \$423.00 (3 people x 6 days x \$23.50), Lodging - \$1,275.00 (3 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$67.50 (3 people x 5 nights x \$4.50).

GRANT SHARE = \$3,967.00 MATCH SHARE = \$67.50

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Mass Fatality Incident Exercise

Training Location

TBD, MI

Maximum Participants

24

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

16

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$2,481.88	\$0.00	\$2,481.88
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$1,168.00	\$1,088.00	\$80.00
Supplies & Operating	\$4,000.00	\$4,000.00	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$7,649.88	\$5,088.00	\$2,561.88

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

MASS FATALITY INCIDENT EXERCISE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$2,481.88

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a two-day training to be held in a location yet to be determined and 24 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Lunch - \$408.00 (24 people x 2 days x \$8.50), Lodging - \$680.00 (4 people x 2 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$80.00 (4 people x 2 nights x \$10.00).

GRANT SHARE = \$1,088.00 MATCH SHARE = \$80.00

Supplies & Operating: Due to the location of this training, training space needs to be rented. Costs include: Training Room - \$4,000.00.

GRANT SHARE = \$4,000.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Spectral Interpretation Applications

Training Location

Madison, WI

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$354.55	\$0.00	\$354.55
Contractual Services	\$	\$	\$
Tuition	\$4,400.00	\$4,400.00	\$0.00
Travel	\$3,348.00	\$2,448.00	\$900.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$8,102.50	\$6,848.00	\$1,254.55

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SPECTRAL INTERPRETATION APPLICATIONS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$354.55

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$4,400.00 (2 people x \$2,200.00).

GRANT SHARE = \$4,400.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in Madison, WI and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,070.00 (2 people x \$535.00), Breakfast - \$123.00 (2 people x 6 days x \$10.25), Lunch - \$123.00 (2 people x 6 days x \$10.25), Dinner - \$282.00 (2 people x 6 days x \$23.50), Lodging - \$850.00 (2 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$900.00 (2 people x 5 nights x \$90.00).

GRANT SHARE = \$2,448.00 MATCH SHARE = \$900.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Glock and Beretta Tours

Training Location

Smyrna, GA and Gallatin, TN

Maximum Participants

6

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

32

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$324.09	\$0.00	\$324.09
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$7,706.00	\$6,086.00	\$1,620.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$8,030.09	\$6,086.00	\$1,944.09

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

GLOCK AND BERETTA TOURS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$324.09

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-day training to be held in Smyrna, GA and Gallatin, TN and six employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$3,500.00 (6 people x \$500.00 + \$500.00 Rental Car), Breakfast - \$246.00 (6 people x 4 days x \$10.25), Lunch - \$246.00 (6 people x 4 days x \$10.25), Dinner - \$564.00 (6 people x 4 days x \$23.50), Lodging - \$1,530.00 (6 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,620.00 (6 people x 3 nights x \$90.00).

GRANT SHARE = \$6,086.00 MATCH SHARE = \$1,620.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Fire Debris Analysis

Training Location
TBD

Maximum Participants 2	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 40	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$430.61	\$0.00	\$430.61
Contractual Services	\$	\$	\$
Tuition	\$3,990.00	\$3,990.00	\$0.00
Travel	\$2,760.00	\$2,240.00	\$520.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$7,180.61	\$6,230.00	\$950.61

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

FIRE DEBRIS ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$430.61

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,990.00 (2 people x \$1,995.00).

GRANT SHARE = \$3,990.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$102.50 (2 people x 5 days x \$10.25), Lunch - \$102.50 (2 people x 5 days x \$10.25), Dinner - \$235.00 (2 people x 5 days x \$23.50), Lodging - \$680.00 (2 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$520.00 (2 people x 4 nights x \$65.00).

GRANT SHARE = \$2,240.00 MATCH SHARE = \$520.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Robert Borkenstein Course on the Effects of Drugs on Human Performance and Behavior

Training Location

TBD

Maximum Participants

3

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$442.19	\$0.00	\$442.19
Contractual Services	\$	\$	\$
Tuition	\$4,500.00	\$4,500.00	\$0.00
Travel	\$5,892.00	\$4,167.00	\$1,725.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$10,834.19	\$8,667.00	\$2,167.19

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ROBERT BORKENSTEIN COURSE ON THE EFFECTS OF DRUGS ON HUMAN PERFORMANCE AND BEHAVIOR

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$442.19

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$4,500.00 (3 people x \$1,500.00).

GRANT SHARE = \$4,500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,100.00 (3 people x \$700.00), Breakfast - \$184.50 (3 people x 6 days x \$10.25), Lunch - \$184.50 (3 people x 6 days x \$10.25), Dinner - \$423.00 (3 people x 6 days x \$23.50), Lodging - \$1,275.00 (3 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,725.00 (3 people x 5 nights x \$115.00).

GRANT SHARE = \$4,167.00 MATCH SHARE = \$1,725.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Understanding Exclusion and Sufficiency Decisions

Training Location
TBD

Maximum Participants 3	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 36	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$327.65	\$0.00	\$327.65
Contractual Services	\$	\$	\$
Tuition	\$1,800.00	\$1,800.00	\$0.00
Travel	\$4,034.50	\$3,967.00	\$67.50
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$6,162.15	\$5,767.00	\$395.15

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

UNDERSTANDING EXCLUSION AND SUFFICIENCY DECISIONS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$327.65

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,800.00 (3 people x \$600.00).

GRANT SHARE = \$1,800.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-and-a-half-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,900.00 (3 people x \$550.00 + \$250.00 car rental), Breakfast - \$184.50 (3 people x 6 days x \$10.25), Lunch - \$184.50 (3 people x 6 days x \$10.25), Dinner - \$423.00 (3 people x 6 days x \$23.50), Lodging - \$1,275.00 (3 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$67.50 (3 people x 5 nights x \$4.50).

GRANT SHARE = \$3,967.00 MATCH SHARE = \$67.50

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Advanced Shooting Incident Reconstruction

Training Location

TBD

Maximum Participants

4

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$756.21	\$0.00	\$756.21
Contractual Services	\$	\$	\$
Tuition	\$4,000.00	\$4,000.00	\$0.00
Travel	\$5,980.00	\$4,540.00	\$1,440.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$10,736.21	\$8,540.00	\$2,196.21

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ADVANCED SHOOTING INCIDENT RECONSTRUCTION

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$756.21

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$4,000.00 (4 people x \$1,000.00).

GRANT SHARE = \$4,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and four employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,300.00 (4 people x \$575.00), Breakfast - \$205.00 (4 people x 5 days x \$10.25), Lunch - \$205.00 (4 people x 5 days x \$10.25), Dinner - \$470.00 (4 people x 5 days x \$23.50), Lodging - \$1,360.00 (4 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,440.00 (4 people x 4 nights x \$90.00).

GRANT SHARE = \$4,540.00 MATCH SHARE = \$1,440.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Advanced Bloodstain Pattern Analysis

Training Location

TBD

Maximum Participants

1

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$531.83	\$0.00	\$531.83
Contractual Services	\$	\$	\$
Tuition	\$1,200.00	\$1,200.00	\$0.00
Travel	\$1,674.00	\$1,449.00	\$225.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$3,405.83	\$2,649.00	\$756.83

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ADVANCED BLOODSTAIN PATTERN ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$531.83

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,200.00 (1 people x \$1,200.00).

GRANT SHARE = \$1,200.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and one employee is budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$760.00 (1 people x \$760.00), Breakfast - \$61.50 (1 people x 6 days x \$10.25), Lunch - \$61.50 (1 people x 6 days x \$10.25), Dinner - \$141.00 (1 people x 6 days x \$23.50), Lodging - \$425.00 (1 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$225.00 (1 people x 5 nights x \$45.00).

GRANT SHARE = \$1,449.00 MATCH SHARE = \$225.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Advanced Fire Debris Analysis

Training Location

TBD

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$430.61	\$0.00	\$430.61
Contractual Services	\$	\$	\$
Tuition	\$3,990.00	\$3,990.00	\$0.00
Travel	\$2,760.00	\$2,240.00	\$520.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$7,180.61	\$6,230.00	\$950.61

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ADVANCED FIRE DEBRIS ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$430.61

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,990.00 (2 people x \$1,995.00).

GRANT SHARE = \$3,990.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$102.50 (2 people x 5 days x \$10.25), Lunch - \$102.50 (2 people x 5 days x \$10.25), Dinner - \$235.00 (2 people x 5 days x \$23.50), Lodging - \$680.00 (2 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$520.00 (2 people x 4 nights x \$65.00).

GRANT SHARE = \$2,240.00 MATCH SHARE = \$520.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Advanced ACE-V Applications for Fingerprint Examiner

Training Location
TBD

Maximum Participants 5	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 40	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$409.56	\$0.00	\$409.56
Contractual Services	\$	\$	\$
Tuition	\$3,000.00	\$3,000.00	\$0.00
Travel	\$5,457.50	\$5,345.00	\$112.50
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$8,867.06	\$8,345.00	\$522.06

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ADVANCED ACE-V APPLICATIONS FOR FINGERPRINT EXAMINER

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$409.56

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,000.00 (5 people x \$600.00).

GRANT SHARE = \$3,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and five employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,900.00 (5 people x \$380.00), Breakfast - \$307.50 (5 people x 6 days x \$10.25), Lunch - \$307.50 (5 people x 6 days x \$10.25), Dinner - \$705.00 (5 people x 6 days x \$23.50), Lodging - \$2,125.00 (5 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$112.50 (5 people x 5 nights x \$4.50).

GRANT SHARE = \$5,345.00 MATCH SHARE = \$112.50

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Sig Sauer and Remington Ammunition Manufacturer Tour

Training Location

Jacksonville and Lonoke, AR

Maximum Participants

10

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

10

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$324.09	\$0.00	\$324.09
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$11,320.00	\$10,020.00	\$1,300.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$11,644.09	\$10,020.00	\$1,624.09

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SIG SAUER AND REMINGTON AMMUNITION MANUFACTURER TOUR

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$324.09

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a one-and-a-half-day training to be held in Jacksonville and Lonoke, AR and 10 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$7,000.00 (10 people x \$700.00), Breakfast - \$307.50 (10 people x 3 days x \$10.25), Lunch - \$307.50 (10 people x 3 days x \$10.25), Dinner - \$705.00 (10 people x 3 days x \$23.50), Lodging - \$1,700.00 (10 people x 2 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,300.00 (10 people x 2 nights x \$65.00).

GRANT SHARE = \$10,020.00 MATCH SHARE = \$1,300.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework

Training Location

TBD

Maximum Participants

1

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$443.19	\$0.00	\$443.19
Contractual Services	\$	\$	\$
Tuition	\$1,500.00	\$1,500.00	\$0.00
Travel	\$1,600.00	\$1,340.00	\$260.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$3,543.19	\$2,840.00	\$703.19

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

INTRO TO BLOODSTAIN PATTERN ANALYSIS ON FABRICS AND DIGITAL CASEWORK

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$443.19

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,500.00 (1 people x \$1,500.00).

GRANT SHARE = \$1,500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and one employee is budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$780.00 (1 people x \$780.00), Breakfast - \$51.25 (1 people x 5 days x \$10.25), Lunch - \$51.25 (1 people x 5 days x \$10.25), Dinner - \$117.50 (1 people x 5 days x \$23.50), Lodging - \$340.00 (1 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$260.00 (1 people x 4 nights x \$65.00).

GRANT SHARE = \$1,340.00 MATCH SHARE = \$260.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Advanced Footwear Analysis

Training Location

TBD

Maximum Participants

5

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$5,000.00	\$5,000.00	\$0.00
Travel	\$6,600.00	\$5,300.00	\$1,300.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$11,944.49	\$10,300.00	\$1,644.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ADVANCED FOOTWEAR ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$5,000.00 (5 people x \$1,000.00).

GRANT SHARE = \$5,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and five employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,500.00 (5 people x \$500.00), Breakfast - \$256.25 (5 people x 5 days x \$10.25), Lunch - \$256.25 (5 people x 5 days x \$10.25), Dinner - \$587.50 (5 people x 5 days x \$23.50), Lodging - \$1,700.00 (5 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,300.00 (5 people x 4 nights x \$65.00).

GRANT SHARE = \$5,300.00 MATCH SHARE = \$1,300.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for ***each topic/course*** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Detection of Forgery and Fabricated Latent Prints

Training Location

TBD

Maximum Participants

11

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

16

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$327.65	\$0.00	\$327.65
Contractual Services	\$	\$	\$
Tuition	\$5,500.00	\$5,500.00	\$0.00
Travel	\$9,911.00	\$9,812.00	\$99.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$15,738.65	\$15,312.00	\$426.65

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

DETECTION OF FORGERY AND FABRICATED LATENT PRINTS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$327.65

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$5,500.00 (11 people x \$500.00).

GRANT SHARE = \$5,500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a two-day training to be held in a location yet to be determined and 11 employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$6,490.00 (11 people x \$590.00), Breakfast - \$338.25 (11 people x 3 days x \$10.25), Lunch - \$338.25 (11 people x 3 days x \$10.25), Dinner - \$775.50 (11 people x 3 days x \$23.50), Lodging - \$1,870.00 (11 people x 2 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$99.00 (11 people x 2 nights x \$4.50).

GRANT SHARE = \$9,812.00 MATCH SHARE = \$99.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Midwest Firearms Training Seminar

Training Location

Indianapolis, IN

Maximum Participants

6

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

24

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$432.12	\$0.00	\$432.12
Contractual Services	\$	\$	\$
Tuition	\$	\$	\$
Travel	\$3,756.00	\$2,586.00	\$1,170.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$4,188.12	\$2,586.00	\$1,602.12

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

MIDWEST FIREARMS TRAINING SEMINAR

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$432.12

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training to be held in Indianapolis, IN and six employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Breakfast - \$246.00 (6 people x 4 days x \$10.25), Lunch - \$246.00 (6 people x 4 days x \$10.25), Dinner - \$564.00 (6 people x 4 days x \$23.50), Lodging - \$1,530.00 (6 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,170.00 (6 people x 3 nights x \$65.00).

GRANT SHARE = \$2,586.00 MATCH SHARE = \$1,170.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
IABPA Conference

Training Location
TBD

Maximum Participants 2	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 32	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$354.55	\$0.00	\$354.55
Contractual Services	\$	\$	\$
Tuition	\$1,600.00	\$1,600.00	\$0.00
Travel	\$3,172.50	\$2,732.50	\$440.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$5,127.05	\$4,332.50	\$794.55

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

IABPA CONFERENCE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$354.55

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,600.00 (2 people x \$800.00).

GRANT SHARE = \$1,600.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,540.00 (2 people x \$770.00), Breakfast - \$130.00 (2 people x 5 days x \$13.00), Lunch - \$130.00 (2 people x 5 days x \$13.00), Dinner - \$252.50 (2 people x 5 days x \$25.25), Lodging - \$680.00 (2 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$440.00 (2 people x 4 nights x \$55.00).

GRANT SHARE = \$2,732.50 MATCH SHARE = \$440.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Advanced Fire Debris Online Course

Training Location

Online

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$258.37	\$0.00	\$258.37
Contractual Services	\$	\$	\$
Tuition	\$1,000.00	\$1,000.00	\$0.00
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$1,258.37	\$1,000.00	\$258.37

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ADVANCED FIRE DEBRIS ONLINE COURSE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$258.37

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,000.00 (2 people x \$500.00).

GRANT SHARE = \$1,000.00 MATCH SHARE = \$0.00

Travel (Trainee): No funds will be used for travel.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Logical Latent Print Analysis

Training Location

TBD

Maximum Participants

4

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

16

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$409.56	\$0.00	\$409.56
Contractual Services	\$	\$	\$
Tuition	\$1,396.00	\$1,396.00	\$0.00
Travel	\$4,444.00	\$4,408.00	\$36.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$6,249.56	\$5,804.00	\$445.56

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

LOGICAL LATENT PRINT ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$409.56

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,396.00 (4 people x \$349.00).

GRANT SHARE = \$1,396.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a two-day training to be held in a location yet to be determined and four employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$3,200.00 (4 people x \$800.00), Breakfast - \$123.00 (4 people x 3 days x \$10.25), Lunch - \$123.00 (4 people x 3 days x \$10.25), Dinner - \$282.00 (4 people x 3 days x \$23.50), Lodging - \$680.00 (4 people x 2 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$36.00 (4 people x 2 nights x \$4.50).

GRANT SHARE = \$4,408.00 MATCH SHARE = \$36.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Tire Analysis

Training Location

TBD

Maximum Participants

4

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$6,000.00	\$6,000.00	\$0.00
Travel	\$5,320.00	\$4,280.00	\$1,040.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$11,664.49	\$10,280.00	\$1,384.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

TIRE ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$6,000.00 (4 people x \$1,500.00).

GRANT SHARE = \$6,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and four employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,040.00 (4 people x \$510.00), Breakfast - \$205.00 (4 people x 5 days x \$10.25), Lunch - \$205.00 (4 people x 5 days x \$10.25), Dinner - \$470.00 (4 people x 5 days x \$23.50), Lodging - \$1,360.00 (4 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$1,040.00 (4 people x 4 nights x \$65.00).

GRANT SHARE = \$4,280.00 MATCH SHARE = \$1,040.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Comparison of Sole Impressions

Training Location

TBD

Maximum Participants

3

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

16

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$409.56	\$0.00	\$409.56
Contractual Services	\$	\$	\$
Tuition	\$500.00	\$500.00	\$0.00
Travel	\$395.00	\$386.00	\$9.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$1,304.56	\$886.00	\$418.56

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

COMPARISON OF SOLE IMPRESSIONS

Personnel: Costs for personnel are administrative costs for creating the course content, finding instructors, facilitating the training, securing location, making travel arrangements, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$409.56

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$500.00 (Flat fee).

GRANT SHARE = \$500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a two-day training that will be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Costs include: Breakfast - \$51.00 (3 people x 2 days x \$8.50), Lunch - \$51.00 (3 people x 2 days x \$8.50), Dinner - \$114.00 (3 people x 2 days x \$19.00), Lodging - \$170.00 (2 people x 1 night x \$85) and Lodging costs above the allotted \$85 (Match) - \$9.00 (2 people x 1 night x \$4.50).

GRANT SHARE = \$386.00 MATCH SHARE = \$9.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Polarized Light Microscopy

Training Location

TBD

Maximum Participants

3

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$430.61	\$0.00	\$430.61
Contractual Services	\$	\$	\$
Tuition	\$5,985.00	\$5,985.00	\$0.00
Travel	\$4,812.00	\$3,837.00	\$975.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$11,227.61	\$9,822.00	\$1,405.61

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

POLARIZED LIGHT MICROSCOPY

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$430.61

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$5,985.00 (3 people x \$1,995.00).

GRANT SHARE = \$5,985.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,770.00 (3 people x \$590.00), Breakfast - \$184.50 (3 people x 6 days x \$10.25), Lunch - \$184.50 (3 people x 6 days x \$10.25), Dinner - \$423.00 (3 people x 6 days x \$23.50), Lodging - \$1,275.00 (3 people x 5 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$975.00 (3 people x 5 nights x \$65.00).

GRANT SHARE = \$3,837.00 MATCH SHARE = \$975.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Midwest Crime Laboratory Directors Training

Training Location

TBD

Maximum Participants

6

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

24

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$481.83	\$0.00	\$481.83
Contractual Services	\$	\$	\$
Tuition	\$3,000.00	\$3,000.00	\$0.00
Travel	\$7,020.00	\$6,060.00	\$960.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$10,501.83	\$9060.00	\$1,441.83

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

MIDWEST CRIME LABORATORY DIRECTORS TRAINING

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$481.83

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,000.00 (6 people x \$500.00).

GRANT SHARE = \$3,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training to be held in a location yet to be determined and six employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$2,700.00 (6 people x \$450.00), Breakfast - \$307.50 (6 people x 5 days x \$10.25), Lunch - \$307.50 (6 people x 5 days x \$10.25), Dinner - \$705.00 (6 people x 5 days x \$23.50), Lodging - \$2,040.00 (6 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$960.00 (6 people x 4 nights x \$40.00).

GRANT SHARE = \$6,060.00 MATCH SHARE = \$960.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Mass Spectral Interpretation Online Course

Training Location

Online

Maximum Participants

1

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

18

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$430.61	\$0.00	\$430.61
Contractual Services	\$	\$	\$
Tuition	\$1,600.00	\$1,600.00	\$0.00
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$2,030.61	\$1,600.00	\$430.61

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

MASS SPECTRAL INTERPRETATION ONLINE COURSE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$430.61

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,600.00 (1 people x \$1,600.00).

GRANT SHARE = \$1,600.00 MATCH SHARE = \$0.00

Travel (Trainee): No funds will be used for travel.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Paint Analysis

Training Location

TBD

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$430.61	\$0.00	\$430.61
Contractual Services	\$	\$	\$
Tuition	\$3,990.00	\$3,990.00	\$0.00
Travel	\$2,760.00	\$2,240.00	\$520.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$7,180.61	\$6,230.00	\$950.61

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

PAINT ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$430.61

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,990.00 (2 people x \$1,995.00).

GRANT SHARE = \$3,990.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$102.50 (2 people x 5 days x \$10.25), Lunch - \$102.50 (2 people x 5 days x \$10.25), Dinner - \$235.00 (2 people x 5 days x \$23.50), Lodging - \$680.00 (2 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$520.00 (2 people x 4 nights x \$65.00).

GRANT SHARE = \$2,240.00 MATCH SHARE = \$520.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Fire Debris Analysis Online Course

Training Location

Online

Maximum Participants

2

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

40

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$258.37	\$0.00	\$258.37
Contractual Services	\$	\$	\$
Tuition	\$1,000.00	\$1,000.00	\$0.00
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$1,258.37	\$1,000.00	\$258.37

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

FIRE DEBRIS ANALYSIS ONLINE COURSE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$258.37

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,000.00 (2 people x \$500.00).

GRANT SHARE = \$1,000.00 MATCH SHARE = \$0.00

Travel (Trainee): No funds will be used for travel.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Explosives Analysis

Training Location
TBD

Maximum Participants 2	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 40	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$3,990.00	\$3,990.00	\$0.00
Travel	\$2,760.00	\$2,240.00	\$520.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$7,094.49	\$6,230.00	\$864.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

EXPLOSIVES ANALYSIS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,990.00 (2 people x \$1,995.00).

GRANT SHARE = \$3,990.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a five-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$102.50 (2 people x 5 days x \$10.25), Lunch - \$102.50 (2 people x 5 days x \$10.25), Dinner - \$235.00 (2 people x 5 days x \$23.50), Lodging - \$680.00 (2 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$520.00 (2 people x 4 nights x \$65.00).

GRANT SHARE = \$2,240.00 MATCH SHARE = \$520.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
ISEE Conference

Training Location
Orlando, FL

Maximum Participants 1	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 36	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$900.00	\$900.00	\$0.00
Travel	\$1,480.00	\$1,220.00	\$260.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$2,724.49	\$2,120.00	\$604.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ISEE CONFERENCE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$900.00 (1 people x \$900.00).

GRANT SHARE = \$900.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-and-a-half-day training to be held in Orlando, FL and one employee is budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$660.00 (1 people x \$660.00), Breakfast - \$51.25 (1 people x 5 days x \$10.25), Lunch - \$51.25 (1 people x 5 days x \$10.25), Dinner - \$117.50 (1 people x 5 days x \$23.50), Lodging - \$340.00 (1 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$260.00 (1 people x 4 nights x \$65.00).

GRANT SHARE = \$1,220.00 MATCH SHARE = \$260.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Ion Chromatography

Training Location
TBD

Maximum Participants 2	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 32	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$430.61	\$0.00	\$430.61
Contractual Services	\$	\$	\$
Tuition	\$3,000.00	\$3,000.00	\$0.00
Travel	\$2,372.00	\$1,982.00	\$390.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$5,802.61	\$4,982.00	\$820.61

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

ION CHROMATOGRAPHY

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$430.61

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$3,000.00 (2 people x \$1,500.00).

GRANT SHARE = \$3,000.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-day training to be held in a location yet to be determined and two employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,120.00 (2 people x \$560.00), Breakfast - \$82.00 (2 people x 4 days x \$10.25), Lunch - \$82.00 (2 people x 4 days x \$10.25), Dinner - \$188.00 (2 people x 4 days x \$23.50), Lodging - \$510.00 (2 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$390.00 (2 people x 3 nights x \$65.00).

GRANT SHARE = \$1,982.00 MATCH SHARE = \$390.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title SAFDE			
Training Location TBD			
Maximum Participants 3	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 24	Number of Sessions 1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$344.49	\$0.00	\$344.49
Contractual Services	\$	\$	\$
Tuition	\$825.00	\$825.00	\$0.00
Travel	\$3,758.00	\$3,173.00	\$585.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$4,927.49	\$3,998.00	\$929.49

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SAFDE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$344.49

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$825.00 (3 people x \$275.00).

GRANT SHARE = \$825.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training to be held in a location yet to be determined and three employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$1,880.00 (3 people x \$510.00 + \$350.00 for parking and shuttle), Breakfast - \$123.00 (3 people x 4 days x \$10.25), Lunch - \$123.00 (3 people x 4 days x \$10.25), Dinner - \$282.00 (3 people x 4 days x \$23.50), Lodging - \$765.00 (3 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$585.00 (3 people x 3 nights x \$65.00).

GRANT SHARE = \$3,173.00 MATCH SHARE = \$585.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Print Process Identification Forensic Document Examiners Conference

Training Location

Charlotte, NC

Maximum Participants

1

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

32

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$258.37	\$0.00	\$258.37
Contractual Services	\$	\$	\$
Tuition	\$1,500.00	\$1,500.00	\$0.00
Travel	\$1,530.00	\$1,270.00	\$260.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$3,288.37	\$2,770.00	\$518.37

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

PRINT PROCESS IDENTIFICATION FORENSIC DOCUMENT EXAMINERS CONFERENCE

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$258.37

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,500.00 (1 people x \$1,500.00).

GRANT SHARE = \$1,500.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-day training to be held in Charlotte, NC and one employee is budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$710.00 (1 people x \$710.00), Breakfast - \$51.25 (1 people x 5 days x \$10.25), Lunch - \$51.25 (1 people x 5 days x \$10.25), Dinner - \$117.50 (1 people x 5 days x \$23.50), Lodging - \$340.00 (1 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$260.00 (1 people x 4 nights x \$65.00).

GRANT SHARE = \$1,270.00 MATCH SHARE = \$260.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

Fit Testing Refresher and Advanced Topics

Training Location

Cincinnati, OH

Maximum Participants

1

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

24

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$225.28	\$0.00	\$225.28
Contractual Services	\$	\$	\$
Tuition	\$790.00	\$790.00	\$0.00
Travel	\$655.00	\$460.00	\$195.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$1,670.28	\$1,250.00	\$420.28

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

FIT TESTING REFRESHER AND ADVANCED TOPICS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00

MATCH SHARE = \$225.28

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$790.00 (1 people x \$790.00).

GRANT SHARE = \$790.00

MATCH SHARE = \$0.00

Travel (Trainee): This is a three-day training to be held in Cincinnati, OH and one employee is budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Breakfast - \$52.00 (1 people x 4 days x \$13.00), Lunch - \$52.00 (1 people x 4 days x \$13.00), Dinner - \$101.00 (1 people x 4 days x \$25.25), Lodging - \$255.00 (1 people x 3 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$195.00 (1 people x 3 nights x \$65.00).

GRANT SHARE = \$460.00

MATCH SHARE = \$195.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00

MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title

American Industrial Hygiene Conference and Expo

Training Location

Online

Maximum Participants

1

Minimum Participants (2/3 of Max)

NA

Hours of Training Per Session

24

Number of Sessions

1

Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$225.28	\$0.00	\$225.28
Contractual Services	\$	\$	\$
Tuition	\$599.00	\$599.00	\$0.00
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$824.28	\$599.00	\$225.28

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

AMERICAN INDUSTRIAL HYGIENE CONFERENCE AND EXPO

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$225.28

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$599.00 (1 people x \$599.00).

GRANT SHARE = \$599.00 MATCH SHARE = \$0.00

Travel (Trainee): No funds will be used for travel.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
Shot Show

Training Location
Las Vegas, NV

Maximum Participants 6	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 32	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$324.09	\$0.00	\$324.09
Contractual Services	\$	\$	\$
Tuition	\$1,050.00	\$1,050.00	\$0.00
Travel	\$13,237.50	\$8,077.50	\$5,160.00
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total <i>Per Session</i> Costs	\$	\$	\$
Total <i>Course</i> Costs	\$14,611.59	\$9,127.50	\$5,484.09

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SHOT SHOW

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$324.09

Contractual Services: No funds will be used for contractual services.

Tuition: There is registration fee to attend this training. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. The registration cost is \$1,050.00 (6 people x \$175.00).

GRANT SHARE = \$1,050.00 MATCH SHARE = \$0.00

Travel (Trainee): This is a four-day training to be held in Las Vegas, NV and six employees are budgeted to attend. Although a concentrated effort is made to bring programs into Michigan when feasible, FSD cannot meet its training requirements through established state government or in-house programs; therefore, training must be taken advantage of when and where programs are offered. Travel Costs include: Airfare/Other - \$4,500.00 (6 people x \$750.00), Breakfast - \$390.00 (6 people x 5 days x \$13.00), Lunch - \$390.00 (6 people x 5 days x \$13.00), Dinner - \$757.50 (6 people x 5 days x \$25.25), Lodging - \$2,040.00 (6 people x 4 nights x \$85) and Lodging costs above the allotted \$85 (Match) - \$5,160.00 (6 people x 4 nights x \$215.00).

GRANT SHARE = \$8,077.50 MATCH SHARE = \$5,160.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 3 – COURSE DETAIL

Complete the Course Detail section for **each topic/course** included in your proposal. Copy and insert this page into your application as many times as needed.

Refer to Page 20 of the Grant Manual

Course Details

Course Title
SOFT Continuing Education Workshops

Training Location
TBD

Maximum Participants TBD	Minimum Participants (2/3 of Max) NA	Hours of Training Per Session 1-8	Number of Sessions 1
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Cost Breakdown

<i>Per Session Costs</i>	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>
Personnel	\$265.31	\$0.00	\$265.31
Contractual Services	\$	\$	\$
Tuition	\$10,000.00	\$10,000.00	\$0.00
Travel	\$	\$	\$
Supplies & Operating	\$	\$	\$
Equipment	\$	\$	\$
Total Per Session Costs	\$	\$	\$
Total Course Costs	\$10,265.31	\$10,000.00	\$265.31

NOTES:

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

SOFT CONTINUING EDUCATION WORKSHOPS

Personnel: Costs for personnel are administrative costs for researching the training, determining the expenses, soliciting the availability of attendees, completing forms for approvals and working with the grant administrator to ensure compliance with the grant guidelines.

GRANT SHARE = \$0.00 MATCH SHARE = \$265.31

Contractual Services: No funds will be used for contractual services.

Tuition: Society of Forensic Toxicologists recognizes the need to provide continuing education for forensic toxicologists and offers many training opportunities in this realm throughout the year, however, these trainings and fees have not yet been determined. There are registration fees to attend these courses. The registration cost is \$10,000.00.

GRANT SHARE = \$10,000.00 MATCH SHARE = \$0.00

Travel (Trainee): No funds will be used for travel.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 4 - COST JUSTIFICATION

The cost justification section is the bridge between the project narrative and the budget detail. Describe the proposed expenditures for each course offering or topic separately. Explain the proposed expenditures (both grant and match) and why the costs are necessary. Provide sufficient detail to justify the expenditures and to support the calculations that are shown in the budget detail. If a student fee will be charged, specify the amount per student.

Refer to Page 20 of the Grant Manual

GRANT ADMINISTRATION

Personnel: The grant administrator is the person who oversees the entire grant and is responsible for soliciting training proposals, prioritizing trainings, writing the grant application, and completing the budget detail. They ensure that we are adhering to the grant guidelines and procedures throughout the year, track expenses, reconcile discrepancies, complete and submit quarterly reports to MCOLES, field questions from employees regarding grant compliance, pay invoices, and review expense reports.

GRANT SHARE = \$0.00 MATCH SHARE = \$110,185.20

Contractual Services: No funds will be used for contractual services.

Tuition: No funds will be used for tuition.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Travel (Trainee): No funds will be used for travel.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Supplies & Operating: No funds will be used for Supplies & Operating.

GRANT SHARE = \$0.00 MATCH SHARE = \$0.00

Equipment: No funds will be used for equipment.

SECTION 5 - APPLICANT PRIORITIES

Prioritize the components of your application in descending order. Include the GRANT COSTS and MATCH COSTS. Single topic applications should list priorities by sessions or category expenditures. If the application contains more than one training topic, prioritize by topic. If more than one grant application is being submitted by an agency, prioritize the list of applications. The applicant's list of priorities will be followed to the highest degree possible; however, Commission priorities take precedence over a grantee's priorities.

BE SURE TO PROVIDE ACTUAL COSTS FOR EACH TOPIC.

Copy and insert this page into your application as many times as needed.

Refer to Page 21 of the Grant Manual

HIGHEST TO LOWEST PRIORITY:

Priority	Forensic Science Training Courses	Grant Share	Match Share
1	ANAB Training	\$ 13,085.50	\$ 553.21
2	ASCLD Symposium	\$ 18,462.50	\$ 3,068.19
3	MAFS Training	\$ 47,831.00	\$ 16,476.74
4	Digital Imaging	\$ 13,745.00	\$ 1,969.49
5	SOFT Training	\$ 12,412.50	\$ 3,228.75
6	Palm Print Comparison Techniques	\$ 4,393.00	\$ 286.23
7	AFTE Training	\$ 16,308.00	\$ 4,572.12
8	Shooting Incident Reconstruction	\$ 29,380.00	\$ 1,420.47
9	DEA Forensic Chemist Seminar	\$ 2,148.50	\$ 1,165.92
10	ASQDE Training	\$ 3,498.00	\$ 411.99
11	AFQAM Training Conference	\$ 10,880.00	\$ 1,611.93
12	Expert Witness	\$ 8,130.00	\$ 4,444.09
13	AAFS Training	\$ 19,075.00	\$ 7,602.29
14	Analysis of Distortion in Latent Prints	\$ 4,168.00	\$ 450.06
15	Fiber Analysis	\$ 6,298.00	\$ 994.49
16	Crime Scene Reconstruction I	\$ 27,571.50	\$ 1,783.66
17	CLIC Training	\$ 11,844.00	\$ 3,054.55
18	MATT Drug Monitoring Training	\$ 6,060.00	\$ 1,503.75
19	Federal and Winchester Ammunition Tour	\$ 10,020.00	\$ 1,624.09
20	IAI Conference	\$ 31,888.00	\$ 841.56
21	Technician Witness	\$ 4,008.00	\$ 3,333.07
22	Footwear Analysis	\$ 5,240.00	\$ 864.49
23	Essential Ridgeology Techniques	\$ 5,767.00	\$ 477.06
24	Mass Fatality Incident Exercise	\$ 5,088.00	\$ 2,561.88
25	Spectral Interpretation Applications	\$ 6,848.00	\$ 1,254.55
26	Glock and Beretta Tours	\$ 6,086.00	\$ 1,944.09
27	Fire Debris Analysis	\$ 6,230.00	\$ 950.61
28	The Robert Borkenstein Course on the Effects of Drugs on Human Performance and Behavior	\$ 8,667.00	\$ 2,167.19
29	Understanding Exclusion and Sufficiency Decisions	\$ 5,767.00	\$ 395.15
30	Advanced Shooting Incident Reconstruction	\$ 8,540.00	\$ 2,196.21
31	Advanced Bloodstain Pattern Analysis	\$ 2,649.00	\$ 756.83
32	Advanced Fire Debris Analysis	\$ 6,230.00	\$ 950.61
33	Advanced ACE-V Applications for Fingerprint Examiners	\$ 8,345.00	\$ 522.06
34	Sig Sauer and Remington Ammunition Manufacturer Tour	\$ 10,020.00	\$ 1,624.09
35	Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework	\$ 2,840.00	\$ 703.19
36	Advanced Footwear Analysis	\$ 10,300.00	\$ 1,644.49

37	Detection of Forgery and Fabricated Latent Prints	\$ 15,312.00	\$ 426.65
38	Midwest Firearms Training Seminar	\$ 2,586.00	\$ 1,602.12
39	IABPA Conference	\$ 4,332.50	\$ 794.55
40	Advanced Fire Debris Online Course	\$ 1,000.00	\$ 258.37
41	Logical Latent Print Analysis	\$ 5,804.00	\$ 445.56
42	Tire Analysis	\$ 10,280.00	\$ 1,384.49
43	Comparison of Sole Impressions	\$ 886.00	\$ 418.56
44	Polarized Light Microscopy	\$ 9,822.00	\$ 1,405.61
45	Midwest Crime Laboratory Directors Training	\$ 9,060.00	\$ 1,441.83
46	Mass Spectral Interpretation Online Course	\$ 1,600.00	\$ 430.61
47	Paint Analysis	\$ 6,230.00	\$ 950.61
48	Fire Debris Analysis Online Course	\$ 1,000.00	\$ 258.37
49	Explosives Analysis	\$ 6,230.00	\$ 864.49
50	ISEE Conference	\$ 2,120.00	\$ 604.49
51	Ion Chromatography	\$ 4,982.00	\$ 820.61
52	SAFDE	\$ 3,998.00	\$ 929.49
53	Print Process Identification Forensic Document Examiners Conference	\$ 2,770.00	\$ 518.37
54	Fit Testing Refresher and Advanced Topics	\$ 1,250.00	\$ 420.28
55	American Industrial Hygiene Conference and Expo	\$ 599.00	\$ 225.28
56	Shot Show	\$ 9,127.50	\$ 5,484.09
57	SOFT Continuing Education Workshops	\$ 10,000.00	\$ 265.31
58	Grant Administrative Costs	\$ -	\$ 110,185.20
Grand Total:		\$508,812.50	\$209,544.09

CERTIFICATE OF CONSORTIUM MEMBERSHIP

The Certifying Official shall be the individual who administers consortium activities and has the authority to act on behalf of the consortium. Attach paperwork supporting the Consortium Membership to this document.

Identification:

1. Applicant Agency: Michigan State Police
2. Consortium: Statewide Provider

Consortium:

3. Consortium Structure: Michigan State Police Forensic Science Division consists of seven laboratories located throughout the State of Michigan.
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4. Geographic Region Served by the Consortium: Statewide

5. Member Agencies: Consists of the following eight forensic science laboratories: Bridgeport Laboratory Grand Rapids Laboratory Grayling Laboratory Lansing Laboratory Marquette Laboratory Metro Detroit Laboratory Northville Laboratory

6. Financial Commitment from Member Agencies: \$718,356.59

Certification:

I certify, on behalf of the consortium, the information contained in this document is complete, accurate and, in compliance with the requirements of the Michigan Commission on Law Enforcement Standards.

Printed Name of Certifying Official Jeffrey Nye	Title of Certifying Official Director
Signature of Certifying Official	Date 5/22/20

Other consortium certification may be submitted as addendum files.

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Forensic Science Training
2021 Proposed Budget Detail

Personnel	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 141,987.09	\$ -	\$ 141,987.09	

Contractual	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Tuition	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 218,449.00	\$ 218,449.00	\$ -	

Travel-Employee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Contractor	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

Travel-Trainee	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 346,920.50	\$ 279,363.50	\$ 67,557.00	

Supplies & Operating	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 11,000.00	\$ 11,000.00	\$ -	

Equipment	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ -	\$ -	\$ -	

GRANT TOTALS	<i>Total Costs</i>	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	\$ 718,356.59	\$ 508,812.50	\$ 209,544.09	

Percentage of Total Costs	<i>Grant Share</i>	<i>Match Share</i>	<i>Comments:</i>
	70.8%	29.2%	

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Michigan State Police, Forensic Science Training

2021 Proposed Budget Detail

PERSONNEL

Salary and Fringe Benefits

Course Employee Name	Assignment	Hourly Rate	Dev. Hours	Prep. Hours	Inst. Hours	Admin. Hours	Total Salary	Fringe Rate	Fringe	Total Cost	Grant Share	Match Share
ANAB Training - Jeffrey Nye	Program Administrator	\$ 64.65				5	\$ 323.25	0.711	\$ 229.96	\$ 553.21		\$ 553.21
ASCLD Symposium - Connie Swander	Program Administrator	\$ 54.07				5	\$ 270.35	0.732	\$ 197.84	\$ 468.19		\$ 468.19
MAFS Training - Cheryl Lozen	Program Administrator	\$ 49.14				6	\$ 294.84	0.753	\$ 221.90	\$ 516.74		\$ 516.74
Digital Imaging - Cheryl Lozen	Program Administrator	\$ 49.14				4	\$ 196.56	0.753	\$ 147.93	\$ 344.49		\$ 344.49
SOFT Training - Nicholas Fillinger	Program Administrator	\$ 49.14				4	\$ 196.56	0.800	\$ 157.19	\$ 353.75		\$ 353.75
Palm Print Comparison Techniques - Tracee McIntosh	Program Administrator	\$ 49.14				3	\$ 147.42	0.667	\$ 98.31	\$ 245.73		\$ 245.73
AFTE Training - Andy Carriveau	Program Administrator	\$ 49.14				4	\$ 196.56	1.198	\$ 235.56	\$ 432.12		\$ 432.12
Shooting Incident Reconstruction - Guy Nutter	Program Administrator	\$ 49.14				7	\$ 343.98	0.804	\$ 276.49	\$ 620.47		\$ 620.47
DEA Forensic Chemist Seminar - Elizabeth Gormley	Program Administrator	\$ 49.14				3	\$ 147.42	0.804	\$ 118.50	\$ 265.92		\$ 265.92
ASQDE Training - Cheryl Lozen	Program Administrator	\$ 49.14				4	\$ 196.56	0.753	\$ 147.93	\$ 344.49		\$ 344.49
AFQAM Training - Jeffrey Nye	Program Administrator	\$ 64.65				3	\$ 193.95	0.711	\$ 137.98	\$ 331.93		\$ 331.93
Expert Witness - Carrie Holka	Program Administrator	\$ 43.52				56	\$ 2,437.12	0.824	\$ 2,006.97	\$ 4,444.09		\$ 4,444.09
AAFS Training - Charles Morden	Program Administrator	\$ 54.07				5	\$ 270.35	1.228	\$ 331.94	\$ 602.29		\$ 602.29
Analysis of Distortion in Latent Prints - Tracee McIntosh	Program Administrator	\$ 49.14				5	\$ 245.70	0.667	\$ 163.86	\$ 409.56		\$ 409.56
Fiber Analysis - Cheryl Lozen	Program Administrator	\$ 49.14				4	\$ 196.56	0.753	\$ 147.93	\$ 344.49		\$ 344.49
Crime Scene Reconstruction I - Guy Nutter	Program Administrator	\$ 49.14				12	\$ 589.68	0.804	\$ 473.98	\$ 1,063.66		\$ 1,063.66
CLIC Training - Elizabeth Gormley	Program Administrator	\$ 49.14				4	\$ 196.56	0.804	\$ 157.99	\$ 354.55		\$ 354.55

MATT Drug Monitoring Training - Nicholas Fillinger	Program Administrator	\$ 49.14				4	\$ 196.56	0.800	\$ 157.19	\$ 353.75		\$ 353.75
Federal and Winchester Ammunition Tour - Andy Carriveau	Program Administrator	\$ 49.14				3	\$ 147.42	1.198	\$ 176.67	\$ 324.09		\$ 324.09
IAI Conference - Tracee McIntosh	Program Administrator	\$ 49.14				5	\$ 245.70	0.667	\$ 163.86	\$ 409.56		\$ 409.56
Technician Witness - Carrie Holka	Program Administrator	\$ 43.52				42	\$ 1,827.84	0.824	\$ 1,505.23	\$ 3,333.07		\$ 3,333.07
Footwear Analysis - Cheryl Lozen	Program Administrator	\$ 49.14				4	\$ 196.56	0.753	\$ 147.93	\$ 344.49		\$ 344.49
Essential Ridgeology Techniques - Tracee McIntosh	Program Administrator	\$ 49.14				5	\$ 245.70	0.667	\$ 163.86	\$ 409.56		\$ 409.56
Mass Fatality Incident Exercise - Guy Nutter	Program Administrator	\$ 49.14				28	\$ 1,375.92	0.804	\$ 1,105.96	\$ 2,481.88		\$ 2,481.88
Spectral Interpretation Applications - Elizabeth Gormley	Program Administrator	\$ 49.14				4	\$ 196.56	0.804	\$ 157.99	\$ 354.55		\$ 354.55
Glock and Beretta Tours - Andy Carriveau	Program Administrator	\$ 49.14				3	\$ 147.42	1.198	\$ 176.67	\$ 324.09		\$ 324.09
Fire Debris Analysis - Cheryl Lozen	Program Administrator	\$ 49.14				5	\$ 245.70	0.753	\$ 184.91	\$ 430.61		\$ 430.61
Robert Borkestein Course on the Effects of Drugs on Human Performance and Behavior - Nicholas Fillinger	Program Administrator	\$ 49.14				5	\$ 245.70	0.800	\$ 196.49	\$ 442.19		\$ 442.19
Understanding Exclusion and Sufficiency Decisions - Tracee McIntosh	Program Administrator	\$ 49.14				4	\$ 196.56	0.667	\$ 131.09	\$ 327.65		\$ 327.65
Advanced Shooting Incident Reconstruction - Andy Carriveau	Program Administrator	\$ 49.14				7	\$ 343.98	1.198	\$ 412.23	\$ 756.21		\$ 756.21
Advanced Bloodstain Pattern Analysis - Guy Nutter	Program Administrator	\$ 49.14				6	\$ 294.84	0.804	\$ 236.99	\$ 531.83		\$ 531.83
Advanced Fire Debris Analysis - Cheryl Lozen	Program Administrator	\$ 49.14				5	\$ 245.70	0.753	\$ 184.91	\$ 430.61		\$ 430.61
Advanced ACE-V Applications for Fingerprint Examiner - Tracee McIntosh	Program Administrator	\$ 49.14				5	\$ 245.70	0.667	\$ 163.86	\$ 409.56		\$ 409.56
Sig Sauer and Remington Ammunition Manufacturer Tour - Andy Carriveau	Program Administrator	\$ 49.14				3	\$ 147.42	1.198	\$ 176.67	\$ 324.09		\$ 324.09

Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework - Guy Nutter	Program Administrator	\$ 49.14					5	\$ 245.70	0.804	\$ 197.49	\$ 443.19	\$ 443.19
Advanced Footwear Analysis - Cheryl Lozen	Program Administrator	\$ 49.14					4	\$ 196.56	0.753	\$ 147.93	\$ 344.49	\$ 344.49
Detection of Forgery and Fabricated Latent Prints - Tracee McIntosh	Program Administrator	\$ 49.14					4	\$ 196.56	0.667	\$ 131.09	\$ 327.65	\$ 327.65
Midwest Firearms Training Seminar - Andy Carriveau	Program Administrator	\$ 49.14					4	\$ 196.56	1.198	\$ 235.56	\$ 432.12	\$ 432.12
IABPA Conference - Guy Nutter	Program Administrator	\$ 49.14					4	\$ 196.56	0.804	\$ 157.99	\$ 354.55	\$ 354.55
Advanced Fire Debris Online Course - Cheryl Lozen	Program Administrator	\$ 49.14					3	\$ 147.42	0.753	\$ 110.95	\$ 258.37	\$ 258.37
Logical Latent Print Analysis - Tracee McIntosh	Program Administrator	\$ 49.14					5	\$ 245.70	0.667	\$ 163.86	\$ 409.56	\$ 409.56
Tire Analysis - Cheryl Lozen	Program Administrator	\$ 49.14					4	\$ 196.56	0.753	\$ 147.93	\$ 344.49	\$ 344.49
Comparison of Sole Impressions - Tracee McIntosh	Program Administrator	\$ 49.14					5	\$ 245.70	0.667	\$ 163.86	\$ 409.56	\$ 409.56
Polarized Light Microscopy - Cheryl Lozen	Program Administrator	\$ 49.14					5	\$ 245.70	0.753	\$ 184.91	\$ 430.61	\$ 430.61
Midwest Crime Laboratory Directors Training - Jason Welch	Program Administrator	\$ 54.07					4	\$ 216.28	1.228	\$ 265.55	\$ 481.83	\$ 481.83
Mass Spectral Interpretation Online Course - Cheryl Lozen	Program Administrator	\$ 49.14					5	\$ 245.70	0.753	\$ 184.91	\$ 430.61	\$ 430.61
Paint Analysis - Cheryl Lozen	Program Administrator	\$ 49.14					5	\$ 245.70	0.753	\$ 184.91	\$ 430.61	\$ 430.61
Fire Debris Analysis Online Course - Cheryl Lozen	Program Administrator	\$ 49.14					3	\$ 147.42	0.753	\$ 110.95	\$ 258.37	\$ 258.37
Explosives Analysis - Cheryl Lozen	Program Administrator	\$ 49.14					4	\$ 196.56	0.753	\$ 147.93	\$ 344.49	\$ 344.49
ISEE Conference - Cheryl Lozen	Program Administrator	\$ 49.14					4	\$ 196.56	0.753	\$ 147.93	\$ 344.49	\$ 344.49
Ion Chromatography - Cheryl Lozen	Program Administrator	\$ 49.14					5	\$ 245.70	0.753	\$ 184.91	\$ 430.61	\$ 430.61
SAFDE - Cheryl Lozen	Program Administrator	\$ 49.14					4	\$ 196.56	0.753	\$ 147.93	\$ 344.49	\$ 344.49
Print Process Identification Forensic Document Examiners Conference - Cheryl Lozen	Program Administrator	\$ 49.14					3	\$ 147.42	0.753	\$ 110.95	\$ 258.37	\$ 258.37

Fit Testing Refresher and Advanced Topics - Robert Kirkby	Program Administrator	\$ 42.34				3	\$ 127.02	0.774	\$ 98.26	\$ 225.28		\$ 225.28
American Industrial Hygiene Conference and Expo - Robert Kirkby	Program Administrator	\$ 42.34				3	\$ 127.02	0.774	\$ 98.26	\$ 225.28		\$ 225.28
Shot Show - Andy Carriveau	Program Administrator	\$ 49.14				3	\$ 147.42	1.198	\$ 176.67	\$ 324.09		\$ 324.09
SOFT Continuing Education Workshops - Nicholas Fillinger	Program Administrator	\$ 49.14				3	\$ 147.42	0.800	\$ 117.89	\$ 265.31		\$ 265.31
Nicole Marsh	Project Administrator	\$ 28.92				2000	\$ 57,840.00	0.905	\$ 52,345.20	\$ 110,185.20		\$ 110,185.20
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TOTAL PERSONNEL										\$141,987.09	\$0.00	\$141,987.09
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MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Michigan State Police, Forensic Science Training

2021 Proposed Budget Detail

TUITION

Cost per Student

Training Provider	Course	Number of Students	Cost per Student	Total Cost	Grant Share	Match Share
ANSI National Accreditation Board	ANAB Training	20	Flat Rate	\$ 10,000.00	\$ 10,000.00	\$ -
American Society of Crime Laboratory Directors	ASCLD Symposium	10	\$ 700.00	\$ 7,000.00	\$ 7,000.00	
Midwestern Association of Forensic Scientists	MAFS Training	28	\$ 1,015.00	\$ 28,420.00	\$ 28,420.00	
TBD	Digital Imaging	5	\$ 1,500.00	\$ 7,500.00	\$ 7,500.00	
Society Of Forensic Toxicologists	SOFT Training	5	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	
Ron Smith and Associates	Palm Print Comparison Techniques	3	\$ 400.00	\$ 1,200.00	\$ 1,200.00	
Association of Firearm and Tool Mark Examiners	AFTE Training	6	\$ 1,100.00	\$ 6,600.00	\$ 6,600.00	
Forensic Training Source	Shooting Incident Reconstruction	16	Flat Rate	\$ 15,000.00	\$ 15,000.00	
American Society of Questioned Document Examiners	ASQDE Training	3	\$ 525.00	\$ 1,575.00	\$ 1,575.00	
Association of Forensic Quality Assurance Managers	AFQAM Training	8	\$ 250.00	\$ 2,000.00	\$ 2,000.00	
American Academy of Forensic Sciences	AAFS Training	10	\$ 725.00	\$ 7,250.00	\$ 7,250.00	
Evolve Forensics	Analysis of Distortion in Latent Prints	3	\$ 325.00	\$ 975.00	\$ 975.00	
TBD	Fiber Analysis	2	\$ 1,900.00	\$ 3,800.00	\$ 3,800.00	
Bevel, Gardner & Associates	Crime Scene Reconstruction I	24	\$ 601.00	\$ 14,424.00	\$ 14,424.00	
Clandestine Laboratory Investigating Chemists	CLIC Training	6	\$ 750.00	\$ 4,500.00	\$ 4,500.00	
Midwest Association of Toxicology and Therapeutic Drug Monitoring	MATT Drug Monitoring Training	5	\$ 160.00	\$ 800.00	\$ 800.00	
International Association for Identification	IAI Conference	16	\$ 625.00	\$ 10,000.00	\$ 10,000.00	
TBD	Footwear Analysis	2	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	
Ron Smith and Associates	Essential Ridgeology Techniques	3	\$ 600.00	\$ 1,800.00	\$ 1,800.00	
Unity Lab Services	Spectral Interpretation Applications	2	\$ 2,200.00	\$ 4,400.00	\$ 4,400.00	
TBD	Fire Debris Analysis	2	\$ 1,995.00	\$ 3,990.00	\$ 3,990.00	

Indiana University Center for Studies of Law in Action	Robert Borkenstein Course on the Effects of Drugs on Human Performance and Behavior	3	\$ 1,500.00	\$ 4,500.00	\$ 4,500.00	
Ron Smith and Associates	Understanding Exclusion and Sufficiency Decisions	3	\$ 600.00	\$ 1,800.00	\$ 1,800.00	
Forensic Training Source	Advanced Shooting Incident Reconstruction	4	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00	
TBD	Advanced Bloodstain Pattern Analysis	1	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	
TBD	Advanced Fire Debris Analysis	2	\$ 1,995.00	\$ 3,990.00	\$ 3,990.00	
Ron Smith and Associates	Advanced ACE-V Applications for Fingerprint Examiner	5	\$ 600.00	\$ 3,000.00	\$ 3,000.00	
Miami-Dade Public Safety Training Institute	Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework	1	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	
TBD	Advanced Footwear Analysis	5	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	
TriTech Forensics	Detection of Forgery and Fabricated Latent Prints	11	\$ 500.00	\$ 5,500.00	\$ 5,500.00	
International Association of Bloodstain Pattern Analysts	IABPA Conference	2	\$ 800.00	\$ 1,600.00	\$ 1,600.00	
National Center for Forensic Science, University of Central Florida, College of Sciences	Advanced Fire Debris Online Course	2	\$ 500.00	\$ 1,000.00	\$ 1,000.00	
TriTech Forensics	Logical Latent Print Analysis	4	\$ 349.00	\$ 1,396.00	\$ 1,396.00	
TBD	Tire Analysis	4	\$ 1,500.00	\$ 6,000.00	\$ 6,000.00	
Michigan State Police Forensic Science Division and Amanda Crooker	Comparison of Sole Impressions	3	Flat Rate	\$ 500.00	\$ 500.00	
TBD	Polarized Light Microscopy	3	\$ 1,995.00	\$ 5,985.00	\$ 5,985.00	
Midwest Crime Laboratory Directors	Midwest Crime Laboratory Directors Training	6	\$ 500.00	\$ 3,000.00	\$ 3,000.00	
TBD	Mass Spectral Interpretation Online Course	1	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00	
TBD	Paint Analysis	2	\$ 1,995.00	\$ 3,990.00	\$ 3,990.00	
National Center for Forensic Science, University of Central Florida, College of Sciences	Fire Debris Analysis Online Course	2	\$ 500.00	\$ 1,000.00	\$ 1,000.00	
TBD	Explosives Analysis	2	\$ 1,995.00	\$ 3,990.00	\$ 3,990.00	
International Society of Explosives Engineers	ISEE Conference	1	\$ 900.00	\$ 900.00	\$ 900.00	
TBD	Ion Chromatography	2	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	
Southern Association of Forensic Document Examiners	SAFDE	3	\$ 275.00	\$ 825.00	\$ 825.00	

Print Process Identification Forensic Document Examiners	Print Process Identification Forensic Document Examiners Conference	1	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	
Unversity of Cincinnati	Fit Testing Refresher and Advanced Topics	1	\$ 790.00	\$ 790.00	\$ 790.00	
American Industrial Hygiene Association (AIHA) and American Conference of Governmental Industrial Hygienists (ACGIH)	American Industrial Hygiene Conference and Expo	1	\$ 599.00	\$ 599.00	\$ 599.00	
Firearms Industry Trade Association	Shot Show	6	\$ 175.00	\$ 1,050.00	\$ 1,050.00	
Society of Forensic Toxicologists	SOFT Continuing Education Workshops	TBD	TBD	\$ 10,000.00	\$ 10,000.00	
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TOTAL TUITION				\$218,449.00	\$218,449.00	\$0.00
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MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Michigan State Police, Forensic Science Training

2021 Proposed Budget Detail

TRAVEL
Employee

Course Employee Name	Mileage			Lodging			Breakfast			Lunch			Dinner			Airfare/ Other	Total Cost	Grant Share	Match Share
	Miles	Rate 0.34	Total	#	Rate \$85.00	Total	#	Cost	Total	#	Cost	Total	#	Cost	Total				
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TOTAL EMPLOYEE TRAVEL			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Michigan State Police, Forensic Science Training

2021 Proposed Budget Detail

TRAVEL
Contractor

Course Contractor Name	Mileage			Lodging			Breakfast			Lunch			Dinner			Airfare/ Other	Total Cost	Grant Share	Match Share
	Miles	Rate 0.34	Total	#	Rate \$85.00	Total	#	Cost	Total	#	Cost	Total	#	Cost	Total				
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TOTAL CONTRACTOR TRAVEL			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Forensic Science Training
2021 Proposed Budget Detail

TRAVEL
Trainee

Course/Date Trainee Totals	Lodging				Breakfast				Lunch				Dinner				Match Lodging							
	# Lodging	# Nights	Rate 85.00	Lodging Total	# for B'fast	# of Days	Cost	Breakfast Total	# for Lunch	# of Days	Cost	Lunch Total	# for Dinner	# of Days	Cost	Dinner Total	Airfare/ Other	Total Cost	Grant Share	Match Share	# Lodging	# Nights	Rate	Lodging Total
ANAB Training 20 Attendees	11	3	\$85.00	\$ 2,805.00				\$ -	11	3	\$ 8.50	\$ 280.50				\$ -		\$ 3,085.50	\$ 3,085.50	\$ -				\$ -
ASCLD Symposium April 11-15, 2021 10 Attendees	10	4	\$85.00	\$ 3,400.00	10	5	\$13.00	\$ 650.00	10	5	\$13.00	\$ 650.00	10	5	\$25.25	\$ 1,262.50	\$ 5,500.00	\$ 11,462.50	\$ 11,462.50	\$ 2,600.00	10	4	\$ 65.00	\$ 2,600.00
MAFS Training October 31- November 5, 2021 28 Attendees	28	5	\$85.00	\$ 11,900.00	28	5	\$13.00	\$ 1,820.00	28	5	\$13.00	\$ 1,820.00	28	5	\$25.25	\$ 3,535.00	\$ 336.00	\$ 19,411.00	\$ 19,411.00	\$ 15,960.00	28	5	\$ 114.00	\$ 15,960.00
Digital Imaging 5 Attendees	5	5	\$85.00	\$ 2,125.00	5	6	\$10.25	\$ 307.50	5	6	\$10.25	\$ 307.50	5	6	\$23.50	\$ 705.00	\$ 2,800.00	\$ 6,245.00	\$ 6,245.00	\$ 1,625.00	5	5	\$ 65.00	\$ 1,625.00
SOFT Training September 26- October 1, 2021 5 Attendees	5	5	\$85.00	\$ 2,125.00	5	6	\$13.00	\$ 390.00	5	6	\$13.00	\$ 390.00	5	6	\$25.25	\$ 757.50	\$ 3,750.00	\$ 7,412.50	\$ 7,412.50	\$ 2,875.00	5	5	\$ 115.00	\$ 2,875.00
Palm Print Comparison Techniques 3 Attendees	3	3	\$85.00	\$ 765.00	3	4	\$10.25	\$ 123.00	3	4	\$10.25	\$ 123.00	3	4	\$23.50	\$ 282.00	\$ 1,900.00	\$ 3,193.00	\$ 3,193.00	\$ 40.50	3	3	\$ 4.50	\$ 40.50
AFTE Training May 23-28, 2021 6 Attendees	6	6	\$85.00	\$ 3,060.00	6	7	\$10.25	\$ 430.50	6	7	\$10.25	\$ 430.50	6	7	\$23.50	\$ 987.00	\$ 4,800.00	\$ 9,708.00	\$ 9,708.00	\$ 4,140.00	6	6	\$ 115.00	\$ 4,140.00
Shooting Incident Reconstruction 20 Attendees	16	5	\$85.00	\$ 6,800.00	16	5	\$10.25	\$ 820.00	16	5	\$10.25	\$ 820.00	16	5	\$24.25	\$ 1,940.00	\$ -	\$ 10,380.00	\$ 10,380.00	\$ 800.00	16	5	\$ 10.00	\$ 800.00
DEA Forensic Chemist Seminar 2 Attendees	2	5	\$85.00	\$ 850.00	2	1	\$13.00	\$ 26.00	2	2	\$13.00	\$ 52.00	2	1	\$25.25	\$ 50.50	\$ 1,170.00	\$ 2,148.50	\$ 2,148.50	\$ 900.00	2	5	\$ 90.00	\$ 900.00
ASQDE Training 3 Attendees	3	5	\$85.00	\$ 1,275.00	3	6	\$ 8.50	\$ 153.00	3	6	\$ 8.50	\$ 153.00	3	6	\$19.00	\$ 342.00	\$ -	\$ 1,923.00	\$ 1,923.00	\$ 67.50	3	5	\$ 4.50	\$ 67.50
AFQAM Training 8 Attendees	8	4	\$85.00	\$ 2,720.00	8	5	\$10.25	\$ 410.00	8	5	\$10.25	\$ 410.00	8	5	\$23.50	\$ 940.00	\$ 4,400.00	\$ 8,880.00	\$ 8,880.00	\$ 1,280.00	8	4	\$ 40.00	\$ 1,280.00
Expert Witness 16 Attendees	16	4	\$85.00	\$ 5,440.00	16	4	\$ 8.50	\$ 544.00	16	5	\$ 8.50	\$ 680.00	16	4	\$19.00	\$ 1,216.00	\$ 250.00	\$ 8,130.00	\$ 8,130.00	\$ -				\$ -
AAFS Training February 15-20, 2021 10 Attendees	10	5	\$85.00	\$ 4,250.00	10	6	\$13.00	\$ 780.00	10	6	\$13.00	\$ 780.00	10	6	\$25.25	\$ 1,515.00	\$ 4,500.00	\$ 11,825.00	\$ 11,825.00	\$ 7,000.00	10	5	\$ 140.00	\$ 7,000.00
Analysis of Distortion in Latent Prints 3 Attendees	3	3	\$85.00	\$ 765.00	3	4	\$10.25	\$ 123.00	3	4	\$10.25	\$ 123.00	3	4	\$23.50	\$ 282.00	\$ 1,900.00	\$ 3,193.00	\$ 3,193.00	\$ 40.50	3	3	\$ 4.50	\$ 40.50
Fiber Analysis 2 Attendees	2	5	\$85.00	\$ 850.00	2	6	\$10.25	\$ 123.00	2	6	\$10.25	\$ 123.00	2	6	\$23.50	\$ 282.00	\$ 1,120.00	\$ 2,498.00	\$ 2,498.00	\$ 650.00	2	5	\$ 65.00	\$ 650.00
Crime Scene Reconstruction I 24 Attendees	18	4	\$85.00	\$ 6,120.00	18	5	\$10.25	\$ 922.50	18	5	\$10.25	\$ 922.50	18	5	\$24.25	\$ 2,182.50	\$ -	\$ 10,147.50	\$ 10,147.50	\$ 720.00	18	4	\$ 10.00	\$ 720.00
CLIC Training September 6-11, 2021 6 Attendees	6	5	\$85.00	\$ 2,550.00	6	6	\$10.25	\$ 369.00	6	6	\$10.25	\$ 369.00	6	6	\$23.50	\$ 846.00	\$ 3,210.00	\$ 7,344.00	\$ 7,344.00	\$ 2,700.00	6	5	\$ 90.00	\$ 2,700.00

MATT Drug Monitoring Training 5 Attendees	5	2	\$85.00	\$ 850.00	5	3	\$10.25	\$ 153.75	5	3	\$10.25	\$ 153.75	5	3	\$23.50	\$ 352.50	\$ 3,750.00	\$ 5,260.00	\$ 5,260.00	\$ 1,150.00	5	2	\$ 115.00	\$ 1,150.00
Federal and Winchester Ammunition Tour 10 Attendees	10	2	\$85.00	\$ 1,700.00	10	3	\$10.25	\$ 307.50	10	3	\$10.25	\$ 307.50	10	3	\$23.50	\$ 705.00	\$ 7,000.00	\$ 10,020.00	\$ 10,020.00	\$ 1,300.00	10	2	\$ 65.00	\$ 1,300.00
IAI Conference August 1-7, 2021 16 Attendees	16	6	\$85.00	\$ 8,160.00	16	7	\$10.25	\$ 1,148.00	16	7	\$10.25	\$ 1,148.00	16	7	\$23.50	\$ 2,632.00	\$ 8,800.00	\$ 21,888.00	\$ 21,888.00	\$ 432.00	16	6	\$ 4.50	\$ 432.00
Technician Witness 16 Attendees	16	2	\$85.00	\$ 2,720.00	16	2	\$ 8.50	\$ 272.00	16	3	\$ 8.50	\$ 408.00	16	2	\$19.00	\$ 608.00	\$ -	\$ 4,008.00	\$ 4,008.00	\$ -			\$ -	\$ -
Footwear Analysis 2 Attendees	2	4	\$85.00	\$ 680.00	2	5	\$10.25	\$ 102.50	2	5	\$10.25	\$ 102.50	2	5	\$23.50	\$ 235.00	\$ 1,120.00	\$ 2,240.00	\$ 2,240.00	\$ 520.00	2	4	\$ 65.00	\$ 520.00
Essential Ridgeology Techniques 3 Attendees	3	5	\$85.00	\$ 1,275.00	3	6	\$10.25	\$ 184.50	3	6	\$10.25	\$ 184.50	3	6	\$23.50	\$ 423.00	\$ 1,900.00	\$ 3,967.00	\$ 3,967.00	\$ 67.50	3	5	\$ 4.50	\$ 67.50
Mass Fatality Incident Exercise 24 Attendees	4	2	\$85.00	\$ 680.00				\$ -	24	2	\$ 8.50	\$ 408.00				\$ -		\$ 1,088.00	\$ 1,088.00	\$ 80.00	4	2	\$ 10.00	\$ 80.00
Spectral Interpretation Applications 2 Attendees	2	5	\$85.00	\$ 850.00	2	6	\$10.25	\$ 123.00	2	6	\$10.25	\$ 123.00	2	6	\$23.50	\$ 282.00	\$ 1,070.00	\$ 2,448.00	\$ 2,448.00	\$ 900.00	2	5	\$ 90.00	\$ 900.00
Glock and Beretta Tours 6 Attendees	6	3	\$85.00	\$ 1,530.00	6	4	\$10.25	\$ 246.00	6	4	\$10.25	\$ 246.00	6	4	\$23.50	\$ 564.00	\$ 3,500.00	\$ 6,086.00	\$ 6,086.00	\$ 1,620.00	6	3	\$ 90.00	\$ 1,620.00
Fire Debris Analysis 2 Attendees	2	4	\$85.00	\$ 680.00	2	5	\$10.25	\$ 102.50	2	5	\$10.25	\$ 102.50	2	5	\$23.50	\$ 235.00	\$ 1,120.00	\$ 2,240.00	\$ 2,240.00	\$ 520.00	2	4	\$ 65.00	\$ 520.00
Robert Borkenstein Course on the Effects of Drugs on Human Performance and Behavior 3 Attendees	3	5	\$85.00	\$ 1,275.00	3	6	\$10.25	\$ 184.50	3	6	\$10.25	\$ 184.50	3	6	\$23.50	\$ 423.00	\$ 2,100.00	\$ 4,167.00	\$ 4,167.00	\$ 1,725.00	3	5	\$ 115.00	\$ 1,725.00
Understanding Exclusion and Sufficiency Decisions 3 Attendees	3	5	\$85.00	\$ 1,275.00	3	6	\$10.25	\$ 184.50	3	6	\$10.25	\$ 184.50	3	6	\$23.50	\$ 423.00	\$ 1,900.00	\$ 3,967.00	\$ 3,967.00	\$ 67.50	3	5	\$ 4.50	\$ 67.50
Advanced Shooting Incident Reconstruction 4 Attendees	4	4	\$85.00	\$ 1,360.00	4	5	\$10.25	\$ 205.00	4	5	\$10.25	\$ 205.00	4	5	\$23.50	\$ 470.00	\$ 2,300.00	\$ 4,540.00	\$ 4,540.00	\$ 1,440.00	4	4	\$ 90.00	\$ 1,440.00
Advanced Bloodstain Pattern Analysis 1 Attendee	1	5	\$85.00	\$ 425.00	1	6	\$10.25	\$ 61.50	1	6	\$10.25	\$ 61.50	1	6	\$23.50	\$ 141.00	\$ 760.00	\$ 1,449.00	\$ 1,449.00	\$ 225.00	1	5	\$ 45.00	\$ 225.00
Advanced Fire Debris Analysis 2 Attendees	2	4	\$85.00	\$ 680.00	2	5	\$10.25	\$ 102.50	2	5	\$10.25	\$ 102.50	2	5	\$23.50	\$ 235.00	\$ 1,120.00	\$ 2,240.00	\$ 2,240.00	\$ 520.00	2	4	\$ 65.00	\$ 520.00
Advanced ACE-V Applications for Fingerprint Examiner 5 Attendees	5	5	\$85.00	\$ 2,125.00	5	6	\$10.25	\$ 307.50	5	6	\$10.25	\$ 307.50	5	6	\$23.50	\$ 705.00	\$ 1,900.00	\$ 5,345.00	\$ 5,345.00	\$ 112.50	5	5	\$ 4.50	\$ 112.50
Sig Sauer and Remington Ammunition Manufacturer Tour 10 Attendees	10	2	\$85.00	\$ 1,700.00	10	3	\$10.25	\$ 307.50	10	3	\$10.25	\$ 307.50	10	3	\$23.50	\$ 705.00	\$ 7,000.00	\$ 10,020.00	\$ 10,020.00	\$ 1,300.00	10	2	\$ 65.00	\$ 1,300.00

Intro to Bloodstain Pattern Analysis on Fabrics and Digital Casework 1 Attendee	1	4	\$85.00	\$ 340.00	1	5	\$10.25	\$ 51.25	1	5	\$10.25	\$ 51.25	1	5	\$23.50	\$ 117.50	\$ 780.00	\$ 1,340.00	\$ 1,340.00	\$ 260.00	1	4	\$ 65.00	\$ 260.00
Advanced Footwear Analysis 5 Attendees	5	4	\$85.00	\$ 1,700.00	5	5	\$10.25	\$ 256.25	5	5	\$10.25	\$ 256.25	5	5	\$23.50	\$ 587.50	\$ 2,500.00	\$ 5,300.00	\$ 5,300.00	\$ 1,300.00	5	4	\$ 65.00	\$ 1,300.00
Detection of Forgery and Fabricated Latent Prints 11 Attendees	11	2	\$85.00	\$ 1,870.00	11	3	\$10.25	\$ 338.25	11	3	\$10.25	\$ 338.25	11	3	\$23.50	\$ 775.50	\$ 6,490.00	\$ 9,812.00	\$ 9,812.00	\$ 99.00	11	2	\$ 4.50	\$ 99.00
Midwest Firearms Training Seminar 6 Attendees	6	3	\$85.00	\$ 1,530.00	6	4	\$10.25	\$ 246.00	6	4	\$10.25	\$ 246.00	6	4	\$23.50	\$ 564.00		\$ 2,586.00	\$ 2,586.00	\$ 1,170.00	6	3	\$ 65.00	\$ 1,170.00
IABPA Conference 2 Attendees	2	4	\$85.00	\$ 680.00	2	5	\$13.00	\$ 130.00	2	5	\$13.00	\$ 130.00	2	5	\$25.25	\$ 252.50	\$ 1,540.00	\$ 2,732.50	\$ 2,732.50	\$ 440.00	2	4	\$ 55.00	\$ 440.00
Logical Latent Print Analysis 4 Attendees	4	2	\$85.00	\$ 680.00	4	3	\$10.25	\$ 123.00	4	3	\$10.25	\$ 123.00	4	3	\$23.50	\$ 282.00	\$ 3,200.00	\$ 4,408.00	\$ 4,408.00	\$ 36.00	4	2	\$ 4.50	\$ 36.00
Tire Analysis 4 Attendees	4	4	\$85.00	\$ 1,360.00	4	5	\$10.25	\$ 205.00	4	5	\$10.25	\$ 205.00	4	5	\$23.50	\$ 470.00	\$ 2,040.00	\$ 4,280.00	\$ 4,280.00	\$ 1,040.00	4	4	\$ 65.00	\$ 1,040.00
Comparison of Sole Impressions 3 Attendees	2	1	\$85.00	\$ 170.00	3	2	\$ 8.50	\$ 51.00	3	2	\$ 8.50	\$ 51.00	3	2	\$19.00	\$ 114.00	\$ -	\$ 386.00	\$ 386.00	\$ 9.00	2	1	\$ 4.50	\$ 9.00
Polarized Light Microscopy 3 Attendees	3	5	\$85.00	\$ 1,275.00	3	6	\$10.25	\$ 184.50	3	6	\$10.25	\$ 184.50	3	6	\$23.50	\$ 423.00	\$ 1,770.00	\$ 3,837.00	\$ 3,837.00	\$ 975.00	3	5	\$ 65.00	\$ 975.00
Midwest Crime Laboratory Directors Training 6 Attendees	6	4	\$85.00	\$ 2,040.00	6	5	\$10.25	\$ 307.50	6	5	\$10.25	\$ 307.50	6	5	\$23.50	\$ 705.00	\$ 2,700.00	\$ 6,060.00	\$ 6,060.00	\$ 960.00	6	4	\$ 40.00	\$ 960.00
Paint Analysis 2 Attendees	2	4	\$85.00	\$ 680.00	2	5	\$10.25	\$ 102.50	2	5	\$10.25	\$ 102.50	2	5	\$23.50	\$ 235.00	\$ 1,120.00	\$ 2,240.00	\$ 2,240.00	\$ 520.00	2	4	\$ 65.00	\$ 520.00
Explosives Analysis 2 Attendees	2	4	\$85.00	\$ 680.00	2	5	\$10.25	\$ 102.50	2	5	\$10.25	\$ 102.50	2	5	\$23.50	\$ 235.00	\$ 1,120.00	\$ 2,240.00	\$ 2,240.00	\$ 520.00	2	4	\$ 65.00	\$ 520.00
February 7-12, 2021 1 Attendee	1	4	\$85.00	\$ 340.00	1	5	\$10.25	\$ 51.25	1	5	\$10.25	\$ 51.25	1	5	\$23.50	\$ 117.50	\$ 660.00	\$ 1,220.00	\$ 1,220.00	\$ 260.00	1	4	\$ 65.00	\$ 260.00
Chromatography 2 Attendees	2	3	\$85.00	\$ 510.00	2	4	\$10.25	\$ 82.00	2	4	\$10.25	\$ 82.00	2	4	\$23.50	\$ 188.00	\$ 1,120.00	\$ 1,982.00	\$ 1,982.00	\$ 390.00	2	3	\$ 65.00	\$ 390.00
SAFDE 3 Attendees	3	3	\$85.00	\$ 765.00	3	4	\$10.25	\$ 123.00	3	4	\$10.25	\$ 123.00	3	4	\$23.50	\$ 282.00	\$ 1,880.00	\$ 3,173.00	\$ 3,173.00	\$ 585.00	3	3	\$ 65.00	\$ 585.00
Print Process Identification Forensic Document Examiners Conference 1 Attendee	1	4	\$85.00	\$ 340.00	1	5	\$10.25	\$ 51.25	1	5	\$10.25	\$ 51.25	1	5	\$23.50	\$ 117.50	\$ 710.00	\$ 1,270.00	\$ 1,270.00	\$ 260.00	1	4	\$ 65.00	\$ 260.00
Fit Testing Refresher and Advanced Topics 1 Attendee	1	3	\$85.00	\$ 255.00	1	4	\$13.00	\$ 52.00	1	4	\$13.00	\$ 52.00	1	4	\$25.25	\$ 101.00	\$ -	\$ 460.00	\$ 460.00	\$ 195.00	1	3	\$ 65.00	\$ 195.00
Shot Show January 19-22, 2021 6 Attendees	6	4	\$85.00	\$ 2,040.00	6	5	\$13.00	\$ 390.00	6	5	\$13.00	\$ 390.00	6	5	\$25.25	\$ 757.50	\$ 4,500.00	\$ 8,077.50	\$ 8,077.50	\$ 5,160.00	6	4	\$ 215.00	\$ 5,160.00
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TOTAL TRAINEE TRAVEL			\$103,020.00				\$14,831.50				\$15,818.00			\$32,588.00		\$279,363.50	\$279,363.50	\$67,557.00					\$ 67,557.00
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MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS

Michigan State Police, Forensic Science Training

2021 Proposed Budget Detail

SUPPLIES AND OPERATING

Table with 7 columns: Course, Description, Quantity, Unit Price, Total Cost, Grant Share, Match Share. Rows include items like Shooting Incident Reconstruction (Shooting Range, Classroom, Supplies), Crime Scene Reconstruction I (Meeting Room and AV Equipment), and Mass Fatality Incident Exercise (Meeting Room).

TOTAL SUPPLIES AND OPERATING | \$11,000.00 | \$11,000.00 | \$0.00

MICHIGAN COMMISSION ON LAW ENFORCEMENT STANDARDS
Michigan State Police, Forensic Science Training
 2021 Proposed Budget Detail

EQUIPMENT

Course	Description	Quantity	Unit Price	Total Cost	Grant Share	Match Share
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TOTAL EQUIPMENT				\$0.00	\$0.00	\$0.00
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