

Application for Federal Assistance SF-424

* 1. Type of Submission:

- Preapplication
- Application
- Changed/Corrected Application

* 2. Type of Application:

- New
- Continuation
- Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN):

* c. Organizational DUNS:

d. Address:

* Street1:

Street2:

* City:

County/Parish:

* State:

Province:

* Country:

* Zip / Postal Code:

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Middle Name:

* Last Name:

Suffix:

Title:

Organizational Affiliation:

* Telephone Number:

Fax Number:

* Email:

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*** 12. Funding Opportunity Number:**

* Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

*** 15. Descriptive Title of Applicant's Project:**

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text"/>
* b. Applicant	<input type="text"/>
* c. State	<input type="text"/>
* d. Local	<input type="text"/>
* e. Other	<input type="text"/>
* f. Program Income	<input type="text"/>
* g. TOTAL	<input type="text"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on .
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 01/31/2019

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. SLIGP 2.0	11.549	\$ []	\$ []	\$ 1,200,000.00	\$ 300,000.00	\$ 1,500,000.00
2.	[]	[]	[]	[]	[]	[]
3.	[]	[]	[]	[]	[]	[]
4.	[]	[]	[]	[]	[]	[]
5. Totals		\$ []	\$ []	\$ 1,200,000.00	\$ 300,000.00	\$ 1,500,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	SLIGP 2.0	N/A			
a. Personnel	\$ 42,694.00	\$ 0.00	\$	\$	\$ 42,694.00
b. Fringe Benefits	34,924.00	0.00			34,924.00
c. Travel	13,296.00	0.00			13,296.00
d. Equipment					
e. Supplies	103.00				103.00
f. Contractual	1,039,976.00	274,080.00			1,314,056.00
g. Construction					
h. Other	64,840.00	25,920.00			90,760.00
i. Total Direct Charges (sum of 6a-6h)	1,195,833.00	300,000.00			\$ 1,495,833.00
j. Indirect Charges	4,167.00				\$ 4,167.00
k. TOTALS (sum of 6i and 6j)	\$ 1,200,000.00	\$ 300,000.00	\$	\$	\$ 1,500,000.00
7. Program Income	\$	\$	\$	\$	\$

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	SLIGP 2.0	\$ <input type="text"/>	\$ <input type="text" value="300,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="300,000.00"/>
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12. TOTAL (sum of lines 8-11)		\$ <input type="text"/>	\$ <input type="text" value="300,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="300,000.00"/>

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input type="text"/>				
14. Non-Federal	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15. TOTAL (sum of lines 13 and 14)	\$ <input type="text"/>				

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
17. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20. TOTAL (sum of lines 16 - 19)	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: <input type="text" value="1,195,833"/>	22. Indirect Charges: <input type="text" value="4,167"/>
23. Remarks: <input type="text"/>	

**NTIA Funding Opportunity: 2018-NTIA-SLIGP-2
State and Local Implementation Grant Program (SLIGP)
Michigan Grant Narrative**

A. ALLOWABLE ACTIVITIES, OBJECTIVES, AND OUTCOMES

A.1 – PERSONNEL AND COSTS ASSOCIATED WITH THE IMPLEMENTATION, MANAGEMENT, AND PERFORMANCE OF THE AWARD AND PROGRAM ACTIVITIES

Allowable Activity:

Single Officer and staff to provide for ongoing coordination with the NTIA and implementation of grant funds.

Description:

State of Michigan personnel salaries and fringe benefits, and supply costs necessary for the implementation, management, and performance of the award and program activities. The State has established a team of employees to perform various functional roles to support planning for the deployment of the Nationwide Public Safety Broadband Network (NPSBN) and public safety user adoption in the post-State Plan period.

The following table provides the major functional roles. The unique responsibilities of each position is further explained in the Michigan Detailed Budget Narrative Report. The actual cost of each position has been calculated over the two-year grant performance period and is itemized in the Detailed Budget Justification worksheet.

MiPSB Program Director (PD)	Provides program management and coordinates all aspects of SLIGP 2.0 projects including the MiPSB support staff and contractors. The MiPSB PD will be responsible for managing deliverables, monitoring budget activities and ensuring grant activities are complete and delivered according to schedule.
Statewide Interoperability Coordinator (SWIC)	The SWIC will work to expand the State's governance structure, support the MiPSB PD and SPOC at SPOC meetings, state and national conferences, public safety stakeholder groups, and during consultation with FirstNet and AT&T. This person is also Director of the MPSCS and Vice-Chair of the MPSCIB.
Budget and Procurement Analyst	Performs a variety of program support functions including: tracking SLIGP related costs and reimbursements, tracking and approving purchase orders and invoices, and provides advisory oversight for all purchasing and contracts.
MiPSB Program Admin Support	Performs a variety of administrative support functions associated with the MiPSB Program to support the MiPSB PD.
SWIC Admin Support	Performs a variety of administrative support functions associated with the MPSCIB and to support the SWIC's activities.
MPSCS PSESU Mgr	Provides day-to-day management of the PSESU Analyst team
MPSCS PSESU Analyst	Provides subject matter expertise to the MiPSB program as it relates to the NetMotion Analytics Software that will be used to identify and document ongoing coverage gaps.

MSP Grant Analyst	Provides administration and oversight for NTIA grant management, preparing/approving/authorizing the submission of the progress reports, and filing required grant documents.
Shared Services Director (SSD)	Supervises the MiPSB PD and SWIC's activities. As a direct report to the SPOC, the SSD will be the primary point of contact for escalation of issues and requests relating to resources, budget allocations, and program changes.
State 911 Administrator (SNA)	Provides subject matter expertise to the MiPSB Office as it relates to PSAP assessment and integration with the MEMHS Communication Readiness Assessment and Integration with FirstNet initiative.
Single Point of Contact (SPOC) and Chief Information Officer (CIO)	As a cabinet member, the SPOC/CIO will be the primary advisor and responsible for keeping the Governor's office informed on the SLIGP program activities.
<ul style="list-style-type: none"> Additional staffing resources will be made available as needed. 	

SLIGP Budget Funds:

SLIGP budget funds will be utilized to support State of Michigan personnel salaries and fringe benefits, and costs including IT expenses, phone service, printing, office supplies, and other items necessary for the implementation, management, and performance of the award and program activities. These costs are only for the duties associated with public safety broadband and the SLIGP grant, and do not include the additional duties of the respective positions.

Objectives and Outcomes:

Promote project success by ensuring the appropriate resources with the necessary skills are acquired and properly resourced.

A.2 – Michigan Emergency Management and Homeland Security (MEMHS) FirstNet Emergency Communication Technology Transition

Allowable Activity:

- Planning activities to prepare for emergency communications technology transitions
- Activities to identify and plan for the transition of public safety applications, software, and databases

Description:

In executing the work plan below to identify and plan for the transition of public safety applications software and databases, the MiPSB Office will work closely with FirstNet/AT&T, the State 911 Office, the Michigan State Police (MSP) Emergency Management and Homeland Security Division (EMHSD), and contracted services to ensure a coordinated approach in collecting relevant information, the development of model policy and guidelines following established practices, and that all stakeholders stay informed of the activities.

The State of Michigan will conduct a two-phase effort with the following objectives:

Phase 1 – Identify Technology to Plan for the Transition to the FirstNet/AT&T Network

In order to develop plans for transitioning technologies to the NPSBN, the State will first need to identify the present technical configurations of Michigan's Emergency Management and Homeland Security partners, which include first responders, fusion centers, public safety answering points (PSAPs), and Emergency Operations Centers (EOCs). A contractor will be hired to conduct

outreach in those areas that will likely be served by FirstNet in early Initial Operational Capability (IOC) phases. The areas that will be part of the evaluation will represent a diverse sampling in size, location (urban, rural), and technological capabilities.

The Michigan Emergency Management and Homeland Security framework is designed to manage resources and responsibilities in dealing with all aspects of emergencies. The partners in this include citizens, first responders, fusion centers, PSAPs, private partnerships, medical personnel, and EOCs to include the State Emergency Operations Center (SEOC).

The SEOC is responsible for coordinating state and federal resources to assist local government in response and relief activities in the event of an emergency or disaster. Under the authority of the Michigan Emergency Management Act (Public Act 390 of 1976, as amended), each county is required to appoint an emergency management coordinator. In addition, some Michigan communities have municipal emergency management coordinators. In Michigan, 99 Emergency Management programs support the 83 counties and 9.9 million citizens.

A PSAP is the point of entry for reporting of emergencies by the public, and for the dissemination of data to first responders dispatched to those incidents. Over the past two decades the source of 911 calls has transitioned from landline devices to an estimated 80+ percent of calls now originating from wireless devices. Users of wireless devices are proficient at sending text messages, images and videos to friends and families. It was inevitable that such forms of communication and transmission of data would be extended to the 911 process.

The PSAP employs customer premise equipment (CPE) for telephony purposes and to feed caller location to a computer aided dispatch (CAD) system. CAD systems are used for the collection of information on an incident to make recommendations on what public safety resources should be sent to an incident, to maintain the status of public safety personnel and vehicles, to provide for the dissemination of NG911 text, video, and image data sent to the PSAP by the public to first responders in the field.

Phase 2 – Plan for the Transition to the NPSBN:

To fulfill the promise of improved data sharing between the public and first responders that is offered by FirstNet, it will be necessary to evaluate and plan for the transition of legacy communications-based applications and technologies. Examples of multimedia that could be shared include:

- Voice, video, text, and images from 911 callers to first responders in the field
- Field-originated video, such as from responder body or dashboard cameras
- Video from public or private CCTV or surveillance cameras
- Data received from sensors or other automated systems

Based on the information gathered during Phase 1, the State will develop model policy, guidance, and improvement plans for transitioning communications technologies and data sharing capabilities between existing public safety systems to the NPSBN.

Primary Resources:

The State of Michigan will utilize existing contracts or seek qualified contractors through state purchasing guidelines for SME resources to execute the work plan to identify and plan for the transition of public safety communications technologies and data sharing capabilities between existing public safety systems to the NPSBN as described above.

The MiPSB PD will direct the day-to-day work effort, and will be responsible for managing deliverables, monitoring budget activities and ensuring grant activities are complete and delivered according to schedule.

The MSP EMHSD provides SME expertise as it relates to EOC and Fusion Center operations in Michigan. The State 911 Administrator provides SME expertise as it relates to PSAP operations in

Michigan and will be the primary point of contact working with local PSAPs, the State 911 Committee, and the 911 Emerging Technology Subcommittee.

SLIGP Budget Funds:

SLIGP budget funds will be utilized to support contractual expenses, travel and meeting expenses, donated stakeholder time and State of Michigan personnel salaries and fringe benefits for those duties associated with the scope of work to complete this initiative.

Objectives and outcomes:

Identify and develop model policies and guidance for Emergency Management and Homeland Security partners to plan and prepare for emergency communications technology transitions and the transition of public safety applications, software, and databases to the NPSBN.

Ensure all stakeholders are informed and engaged, and the development of model policy and guidelines follow established practices.

A.3 - IDENTIFY AND DOCUMENT COVERAGE GAPS

Allowable Activity:

Identifying and documenting on-going coverage needs/gaps within the state.

Description:

To address issues which Michigan raised during the State Plan consultation process, AT&T committed that in the event an area's coverage does not meet that which was represented as "covered" in the Initial Operational Capability (IOC) phases in the State Plan for Michigan, the AT&T State Market Manager and Team will meet with the State of Michigan on a quarterly basis to review and address the issue. The State of Michigan opted in to the FirstNet State Plan on Aug 4, 2017. This initiative is intended to provide validation of the coverage represented in the State Plan for Michigan in IOC1 and IOC2, and analysis and reporting through the end of the SLIGP2 performance period.

In order to accurately identify and document gaps in coverage, the State of Michigan proposes to employ a form of crowdsourcing utilizing NetMotion Diagnostics software. NetMotion Diagnostics is a robust data analytics and visualization solution that will provide an accurate, real-time read on signal quality, coverage analysis, dropped connection analysis, link analysis, and the availability of each network technology (2G, 3G, 4G, LTE).

The software collects the carrier network's mobile diagnostic information and exports the data to security information and event management (SIEM) and business intelligence (BI) systems, ultimately resulting in geo-located maps representing signal quality and network performance. Table A.3-1 NetMotion Diagnostics Modem Testing illustrates an example of the reporting capability captured during demonstration testing of the product.

Table A.3 – 1 NetMotion Diagnostics Modem Testing

MDC: Dell Latitude 420
 Antenna: Laird
 Modem: Sierra GX450

Signal Strength	Miles	Percent
Excellent, Good, Fair	74.5	96.1%
Weak & Very Weak	3.0	3.9%
No Signal	0.0	0.0%
Disconnected	0.0	0.0%
Total	77.5	100.0%

Display Options

Display:

Disconnected section

Legend

- Excellent (81 - 100)
- Good (61 - 80)
- Fair (41 - 60)
- Weak (21 - 40)
- Very Weak (0 - 20)
- No Signal
- Unknown



To achieve this initiative, the State proposes to collect data crowdsourced from MSP, Department of Natural Resources (DNR), and local public safety agency mobile data computers (MDC)s currently using the NetMotion Mobility Virtual Private Network (VPN). The State will add NetMotion Diagnostics client licenses to the suite of existing NetMotion software in a limited number of vehicles. While the vehicle is conducting its regularly scheduled patrol, real-time network diagnostics and analytics will be transmitted back to the Michigan Public Safety Communications System (MPSCS) Public Safety Enterprise Services Unit (PSESU) technical team. This team will utilize the data to analyze the cellular network coverage, create coverage reports, and diagnose connectivity-related problems.

Primary Resources:

The MPSCS PSESU currently manages the NetMotion Mobility VPN solution and supports connectivity hardware for State of Michigan public safety agencies. The MPSCS Director/SWIC will ensure the IT Manager and PSESU staff members will be responsible for the implementation and day-to-day support of the new Netmotion tools to diagnose the data received for analyzing the coverage needs/gaps within the identified state area, develop reports, executive summaries for the MPSCIB and MiPSB Office, review current reporting, assess any additional reporting needs (i.e. new coverage inclusion), and support of the environment testing new NetMotion diagnostic updates and capabilities.

SLIGP Budget Funds:

SLIGP budget funds will be utilized to purchase NetMotion server and client licenses, software maintenance, hosting environment expenses, travel and meeting expenses, and State of Michigan personnel salaries and fringe benefits for those duties associated with the scope of work to complete this initiative.

The procurement of connectivity equipment or devices (i.e. modems, air cards) and FirstNet subscriber fees to support this initiative are outside of the scope of allowable SLIGP expenses and are the responsibility of the State.

Objectives and outcomes:

The State intends to obtain a comprehensive picture of the actual network coverage to compare and provide documentation in the event an area’s coverage does not meet that which was represented as “covered” in IOC1 and IOC2 in the State Plan for Michigan. Through this initiative, the State will collect data crowdsourced from the MSP, DNR, and local public safety agency vehicles while they

conduct regularly scheduled patrols and will not require separate or dedicated mile-by-mile grid drive testing.

A.4 - PUBLIC SAFETY BROADBAND GOVERNANCE

Allowable Activities:

- Existing governance body to provide input to the single officer and to contribute towards planning activities to further identify potential public safety users of the NPSBN and prepare for data sharing.
- Development of policies and agreements to increase sharing of data between existing public safety systems across various agencies within the State or territory using the NPSBN.
- Planning activities to prepare for emergency communications technology transitions

Description:

The Michigan Public Safety Communications Interoperability Board (MPSCIB) was established by Executive Order 2009-55 as the State's Interoperability Governing Board (SIGB). The MPSCIB is responsible for advising the Governor on all interoperability aspects of current and future technology in Michigan to ensure the public safety community is well prepared today and in the future with the emergency communications ecosystem. The MPSCIB may also recommend best practices and oversight mechanisms for the implementation of public safety communications systems interoperability and standards in the state, including the development and implementation of Michigan's Statewide Communications Interoperability Plan (SCIP). The membership consists of 16 members, nine of which are appointed by the governor and represent emergency First Responders. The MPSCIB currently has four active workgroups.

The MiPSB Workgroup was established under the MPSCIB to gather, analyze, and disseminate information relevant to the activities of FirstNet, and aggregate the information into recommendations for the MPSCIB. The Workgroup is comprised of a cross-functional, geographically diverse team that includes local and state representation from all of the Michigan Regional Planning areas. The MiPSB Workgroup has 13 members appointed by their respective government entity stakeholders and/or fraternal organizations. SME Task Teams are established under the MiPSB Workgroup to provide information and expertise on specific topics.

As part of the enabling legislation, FirstNet is required to consult with state and local jurisdictions regarding the NPSBN, including coverage areas, quality of service, network resiliency and security, and user priorities. In Michigan, FirstNet works through the State's Single Point of Contact (SPOC), and the MiPSB Program Office to gather requirements from key stakeholders to ensure that the FirstNet network is designed to meet the needs of the public safety community. The MiPSB Program Office is established under the Department of Technology, Management, and Budget (DTMB), and in partnership with the MPSCIB, the MiPSB Workgroup, and other key stakeholders, provides direction and administrative support for the State's public safety broadband initiatives.

A.4 - 1 Standardized Policies and Procedures

It is the State of Michigan's position that certain functions inherent in the FirstNet network would be best managed through the formulation of centralized policies and procedures to ensure consistency across the state. To that end the MPSCIB, through the MiPSB Workgroup and other key stakeholders, will develop policies, procedures, and/or draft memorandums of agreement to increase data sharing between public safety agencies using the NPSBN.

A.4 – 2 Statewide Communications Interoperability Plan (SCIP)

The SCIP is a stakeholder-driven, multi-jurisdictional and multi-disciplinary statewide strategic plan to

enhance interoperable and emergency communications. The SCIP is a critical mid-range strategic planning tool to help Michigan prioritize resources, strengthen governance, identify future investments, and address interoperability gaps.

The current SCIP's broadband goals address effective governance, education and outreach, data collection, and developing strategic partnerships. Within the next iteration, the MPSCIB will focus on adoption of goals and initiatives related to Standard Operating Procedures, Technology, Training and Exercises, and Usage for public safety broadband.

Primary Resources:

The MPSCS Director/SWIC provides SME expertise as it relates to interoperable communications, and facilitates and supports the activities of the MPSCIB as Vice-Chair.

The MPSCIB membership provides direction to the MiPSB Workgroup, Task Teams, and other working committees as appropriate in support of public safety broadband activities.

The MiPSB Workgroup membership provides public safety expertise, represents their respective government stakeholders and/or fraternal organizations, act as ambassadors of their fraternal organization(s), and make recommendations that are consistent with their organization(s) goals and objectives.

The MiPSB PD will direct the day-to-day work effort, and will be responsible for coordination and communication between the MPSCIB, MiPSB Workgroup, Task Teams, and other key stakeholders.

SLIGP Budget Funds:

SLIGP Budget Funds will be utilized to support the travel, meeting, administrative, and incidental expenses of the MPSCIB and associated Workgroup and Task Teams in support of FirstNet activities, donated stakeholder time at governance meetings, and State of Michigan personnel salaries and fringe benefits for those duties associated with the scope of work to complete this initiative.

Objectives and outcomes:

It is vital that a strong governance structure is in place to enhance collaboration among the various public safety entities, to ensure that communications occur in such a manner that best enables responders to perform their duties in protecting life and property, and in the most efficient manner possible for a truly interoperable network to be successful.

A.5 – CONFERENCE AND OUTREACH EXPENSES

Allowable Activity:

- Single officer (or governmental body) and staff to, at a minimum, provide for ongoing coordination with NTIA and implementation of grant funds.
- Individuals, such as the single office and governing body members, to perform planning activities to help FirstNet and its partner to further identify potential public safety users of the NPSBN
- Activities to convene stakeholder outreach events to continue planning for the NPSBN implementation, as requested by FirstNet.

Description:

A.5-1 The Michigan Statewide Interoperable Communications Training Conference is co-hosted in partnership with the MSP Emergency Management and Homeland Security Division (EMHSD), MPSCS, and the MiPSB Program Office. The annual conference provides focused education and information on interoperable communications, evolutionary changes in interoperability, and relationships.

- Note: This has been approved as a FirstNet requested activity

A.5-2 Expenses arising from anticipated conference sessions dedicated to stakeholder participation in Michigan's public safety broadband program, regional workshops, governance and planning workshops and meetings.

A.5-3 Participation in national, regional, and state association and training conferences, and FirstNet meetings.

Primary Resources:

The MiPSB PD will direct the day-to-day work effort, and will be responsible for coordination and communication between the key stakeholders and event coordinators.

SLIGP Budget Funds:

SLIGP budget funds will be utilized to support facility expenses, content and presentation development, travel costs, conference registration, and State of Michigan personnel salaries and fringe benefits for those duties associated with the scope of work to complete this initiative.

Objectives and outcomes:

- Ensure key stakeholder participation in the identification and establishment of best practices for implementing interoperability of wireless public safety communications in Michigan on a local, regional, and statewide basis.
- Create opportunities using interoperability training on a local, regional and statewide basis.
- Identify future trends in public and private sectors relating to national public safety wireless communication, interoperability standards, and technology in support of providing public safety wireless services in the most effective and efficient manner.

B. APPLICANT CAPACITY, KNOWLEDGE, AND EXPERIENCE

Ms. Pamela Matelski is the Director of the MiPSB Program Office and the FirstNet Alternate Single Point of Contact (A-SPOC) for the State of Michigan. She will direct the day-to-day work effort, and will be responsible for managing deliverables, monitoring budget activities and ensuring grant activities are complete and delivered according to schedule. Matelski has 18 years of experience working in the public safety arena at both the county and state level. She provided oversight and strategic development for the MSP Dispatch Centers, and in-car mobile office technologies. As the 911 Coordinator for Mackinac County, Matelski planned and coordinated efforts to bring Enhanced 911 to the Upper Peninsula. She has been successful in the acquisition and management of over \$9 million in grants supporting public safety activities through the Public Safety Interoperability Grant, American Recovery and Reinvestment Act, and Homeland Security Grant Programs.

Mr. Brad Stoddard is the Director of the MPSCS and SWIC. His educational and work experience also are key as Stoddard holds a Bachelor of Science in Electrical Engineering and was previously employed as an engineer with the MPSCS. The knowledge of these combined roles have been demonstrated over the years diagnosing coverage gaps and opportunities for advancement of the MPSCS. Stoddard's experience is key as he has demonstrated experience managing the MPSCS PSESU utilizing similar tools, processes, and procedures for identification and documentation of coverage needs and gaps across the state. This experience also relates to the role he holds as the Vice-Chair of the MPSCIB, and will be a direct line of communication from the team collecting the information from the vehicles to the Board members representing their respective organizations. The MPSCIB meets quarterly and over that time frame will be provided with summaries of the data collected throughout the performance period of the grant.

The MPSCS PSESU team currently supports the NetMotion Mobile VPN solution for State of Michigan Public Safety users. The team is a mixture of Information Technology Professionals and Radio Communications Technicians. They have extensive experience supporting the

mobile data environment in State of Michigan patrol vehicles, as well as public safety applications and server environments.

Ms. Harriet Miller-Brown is the State 911 Administrator. She will provide SME expertise as it relates to PSAP operations in Michigan and will be the primary point of contact working with local PSAPs, the State 911 Committee, and the 911 Emerging Technology Subcommittee to ensure all stakeholders are informed and that development of model policy and guidelines follow established practices. Miller-Brown has over 25 years' experience in dispatch operations at the county and state level, and has been the State 911 Administrator since 2004. She holds an associate's degree in law enforcement from Northwestern Michigan College, a bachelor's degree in criminal justice from Western Michigan University, and a law degree from Thomas M. Cooley Law School.

**NTIA Funding Opportunity: 2018-NTIA-SLIGP-2
State and Local Implementation Grant Program (SLIGP)
Michigan Detailed Budget Narrative**

TOTALS

	Increment 1	Increment 2 NTE	Total Award
Federal:	\$425,000	\$775,000	\$1,200,000
Non-Federal:	\$106,262	\$193,738	\$300,000
Total:	\$531,262	\$968,738	\$1,500,000

A. PERSONNEL SALARIES: TOTAL AMOUNT \$42,694

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$ 15,122	\$ 27,572	\$ 42,694
Non-Federal:	\$0	\$0	\$0
Increment Total:	\$ 15,122	\$ 27,572	\$ 42,694

The projected budgetary costs are only for the duties associated with public safety broadband and the SLIGP 2.0 grant, and do not include the additional duties of the respective positions. The salary of each position has been calculated at the actual cost over the two-year grant performance period.

Michigan State Police (MSP) Grant Analyst (Federal \$42,694 / \$0 non-Federal)

The MSP Grant Analyst will provide administration and oversight for NTIA grant management, preparing/approving/authorizing the submission of the progress reports and filing required grant documents. This role does not include overall program management functions. This position will spend 156 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$71,156.80 / \$34.21 per hour.

State 911 Administrator (Federal \$0 / non-Federal \$0)

This position provides Public Safety Answering Point (PSAP) SME expertise to the MiPSB program as it relates to Michigan's Emergency Management and Homeland Security Communication Readiness Assessment and Integration with FirstNet. The salary of the State 911 Administrator is not included in the total budget. If it is required at a later date, a budget modification will be requested.

B. PERSONNEL FRINGE BENEFITS: TOTAL AMOUNT \$34,924

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$ 12,370	\$ 22,554	\$ 34,924
Non-Federal:	\$0	\$0	\$0
Increment Total:	\$ 12,370	\$ 22,554	\$ 34,924

All fringe benefits for the positions identified in *Section A. Personnel Salaries* include social security (6.2%); Medicare (1.45%); retirement (50.85%); health insurance (20.5%); long term disability (0.9%); life insurance (1.1%); and longevity (0.8%). The allocation of fringe benefits has been calculated against the portion of their time associated with public safety broadband and the SLIGP grant.

Michigan State Police (MSP) Grant Analyst (Federal \$34,924 / \$0 non-Federal)

State 911 Administrator (Federal \$0 / non-Federal \$0)

C. TRAVEL: TOTAL AMOUNT \$13,296

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$4,709	\$8,587	\$13,296
Non-Federal:	\$0	\$0	\$0
Increment Total:	\$4,709	\$8,587	\$13,296

Travel expenses for eight MiPSB Workgroup members to attend the annual Michigan Statewide Interoperable Communications Training Conference over the two-year grant performance period.

Type	Description	Amount
Registration	\$275 x 8 people	\$ 2,200
Lodging	\$132.37 x 8 people x 3 nights	\$ 3,176
Subsistence	\$ 36 x 8 people x 4 days	\$ 1,152
Incidentals	\$ 5 x 8 people x 3 nights	\$ 120
TOTAL		\$13,296

D. EQUIPMENT: TOTAL AMOUNT \$0

This grant does not allow or require any equipment which meets the criteria for grant reimbursement.

E. SUPPLIES: TOTAL AMOUNT \$103

Miscellaneous office supplies needed for grant administration (pens, paper, folders, etc).

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$34	\$69	\$103

F. CONTRACTUAL: TOTAL AMOUNT \$1,314,056

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$368,323	\$671,653	\$1,039,976
Non-Federal:	\$97,081	\$176,999	\$274,080
Increment Total:	\$465,404	\$848,652	\$1,314,056

The MSP will provide a sub-award to the Michigan Department of Technology, Management, and Budget (DTMB) to perform services under the grant as a project partner in project implementation. DTMB includes the MiPSB, the MPSCS, the SPOC, and the SWIC. The MSP and DTMB have a long history of successful partnerships developing and implementing public safety programs and initiatives.

F(1) DTMB Personnel Salaries:

The projected budgetary costs are only for the duties associated with public safety broadband and the SLIGP 2.0 grant, and do not include the additional duties of the respective positions. The salary of each position has been calculated at the actual cost over the two-year grant performance period.

Michigan Public Safety Broadband (MiPSB) Program Director (PD) (Federal \$231,670 / non-Federal \$0)

The MiPSB PD is responsible for program development and strategies, managing and coordinating all aspects of the SLIGP project including the MiPSB support staff and contractors, managing deliverables, monitoring budget activities and ensuring grant activities are complete and delivered according to schedule. The MiPSB PD will work with the Statewide Interoperability Coordinator (SWIC) to keep the State Point of Contact (SPOC) and Shared Services Director (SDD) informed. This position will represent the MiPSB Program to the Michigan Public Safety Interoperability Board (MPSCIB), Michigan's Statewide Interoperability Governance Board (SIGB), at SPOC meetings, state and national conferences, public safety stakeholder groups, and will be the primary point of contact for consultation with FirstNet. This position will spend 100% of their time, equivalent to 520 hours per quarter on SLIGP 2.0 Grant Activities for two years. The annual salary is \$115,829.50 / \$55.69 per hour.

MPSCS Director / SWIC (Federal \$0 / non-Federal \$59,362)

The SWIC also fulfills the role as the Director of Michigan's Public Safety Communications System (MPSCS), which is Michigan's statewide land mobile radio network, and serves as the Vice-Chair of the MPSCIB. The SWIC will work to expand the State's governance structure, support the MiPSB PD and SPOC at SPOC meetings, state and national conferences, public safety stakeholder groups, and during consultation with FirstNet and AT&T. This position will spend 124 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$124,463 / \$59.84 per hour.

Budget and Procurement Analyst (Federal \$33,168 / non-Federal \$0)

This position performs a variety of program support functions including: tracking SLIGP related costs and reimbursements, tracking and approving purchase orders and invoices, and provides advisory oversight for all purchasing and contracts. This position will spend 120 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$71,860.59 / \$34.55 per hour.

MiPSB Program Admin Support (Federal \$0 / non-Federal \$21,621)

This position performs a variety of administrative support functions including: time keeping and payroll activities, managing schedules for meetings and making travel arrangements. and scheduling, taking minutes, and other meeting related duties associated with the MiPSB Program to support the MiPSB PD. This position will spend 90 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$62,462.40 / \$30.03 per hour.

SWIC Admin Support (Federal \$0 / non-Federal \$15,212)

This position provides direct administrative support to the SWIC, as well as the MPSCIB. This position performs a variety of administrative support functions including: time keeping and payroll activities, managing schedules for meetings and making travel arrangements, taking minutes, and other meeting related duties associated with the MPSCIB. This position will spend 72 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$54,939.50 / \$26.41 per hour.

MPSCS Public Safety Enterprise Services Unit (PSESU) Manager (Federal \$0 / non-Federal \$13,898)

This position provides SME expertise to the MiPSB Office as it relates to the Netmotion Diagnostics software that will be used to identify and document ongoing coverage gaps, and day-to-day management of the PSESU Analyst team. This position will spend 40 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$90,343.05 / \$43.43 per hour.

MPSCS PSESU Analyst (Federal \$0 / non-Federal \$39,104)

This position will be responsible for the implementation and day-to-day support of the NetMotion Diagnostics software, analyze the data received for identifying the coverage needs/gaps within the identified state area(s), develop reports, executive summaries for MiPSB Office and MPSCIB. This position will spend 130 hours per quarter of their time on SLIGP 2.0 grant activities for two years. The annual salary is \$78,201.00 / \$37.60 per hour.

Single Point of Contact (SPOC) and Chief Information Officer (CIO) (Federal \$0 / non-Federal \$0)

As a cabinet member, the SPOC/CIO will be the primary advisor and responsible for keeping the Governor's office informed on the SLIGP program. The salary of the SPOC/CIO is not included in the total budget. If it is required at a later date, a budget modification will be requested.

Shared Services Director (SSD) (Federal \$0 / non-Federal \$0)

The SSD will supervise the MiPSB PD and SWIC's activities and provide support for clearing roadblocks and management interactions between various functions of the program. The SSD reviews and authorized purchases, travel requests, program changes, and performance measures relating to SLIGP and the MiPSB Program. As a direct report to the SPOC, the SSD will be the primary point of contact for escalation of issues and requests relating to resources, budget allocations, and program changes. The salary of the SSD Director not included in the total budget. If it is required at a later date, a budget modification will be requested.

F(2) DTMB Personnel Fringe Benefits:

All fringe benefits for the positions identified in *Section F.1 DTMB Personnel Salaries* include social security (6.2%); Medicare (1.45%); retirement (50.85%); health insurance (20.5%); long term disability (0.9%); life insurance (1.1%); and longevity (0.8%). The allocation of fringe benefits has been calculated against the portion of their time associated with public safety broadband and the SLIGP grant and do not include the additional duties of the respective positions. The projected budgetary cost of each position has been calculated over the two-year grant performance period.

MiPSB PD (Federal \$189,497 / non-Federal \$0)

MPSCS Director / SWIC (Federal \$0 / non-Federal \$48,557)

Budget and Procurement Analyst (Federal \$27,131 / non-Federal \$0)

MiPSB Program Admin Support (Federal \$0 / non-Federal \$17,687)

SWIC Admin Support (Federal \$0 / non-Federal \$12,444)

MPSCS PSESU Manager (Federal \$0 / non-Federal \$11,369)

MPSCS PSESU Analyst (Federal \$0 / non-Federal \$31,987)

SPOC and CIO (Federal \$0 / non-Federal \$0)

SSD (Federal \$0 / non-Federal \$0)

F(3) DTMB Personnel Travel (Federal \$26,112 / non-Federal \$0):

Participation in national, regional, and state association training conferences, and FirstNet meetings. Travel costs include conference registration fees, airfare, lodging, ground transportation, and meals.

State mileage rate for 2018: \$0.57/mile
State daily meal per diem for 2018: \$36/day

Travel / Conference	# of Attendees	Days	Registration	Air	Ground Transport	Hotel	Meals	Cost Per Attendee	Event Total Cost
APCO National Annual Mtg	1	5	\$450	\$700	\$100	\$1,250	\$180	\$2,680	\$2,680
NENA National Annual Mtg	1	6	\$900	\$700	\$100	\$1,250	\$180	\$3,130	\$3,130
IWCE Annual Mtg	1	6	\$1,700	\$700	\$100	\$1,250	\$180	\$3,930	\$3,930
FirstNet SPOC Mtgs (2 per yr)	2	3	n/a	\$700	\$100	\$750	\$108	\$1,658	\$3,316
Total per year									\$13,056
Total over two-year grant period									\$26,112

F(4) DTMB Supplies

General Office Supplies (Federal \$0 / non-Federal \$847)

This includes general office supplies which will be used by the MiPSB Program Director and support staff for grant-related activities, at \$35.29 per month.

Laptops (Federal \$1,400 / non-Federal \$0)

This includes one (1) new laptop, hardware, and peripherals for the MiPSB PD for use while conducting grant-related work.

IT Desktop Support (Federal \$0 / non-Federal \$1,992)

This includes the monthly rated service for IT support, software licenses, LAN connectivity, VPN support for the MiPSB PD for use while conducting grant-related activities, at \$83 per month.

F(5) Michigan’s Emergency Management and Homeland Security (EMHS) FirstNet Emergency Communication Technology Transition (Federal \$387,407 / non-Federal \$0)

The State of Michigan will utilize existing contracts or seek qualified contractors through state purchasing guidelines for SME resources to execute the work plan to identify and plan for the transition of public safety communications technologies and data sharing capabilities between existing public safety systems to the NPSBN as described in the Grant Narrative Document.

F(6) Identify and Document Coverage Gaps (Federal \$143,591 / non-Federal \$0)

The State of Michigan will utilize existing contracts to purchase 50 NetMotion Diagnostics client licenses and software maintenance, one (1) server license and software maintenance, and hosting environment expenses for two (2) virtual servers @ \$19,077 per year for this initiative as described in the Grant Narrative Document.

NetMotion Diagnostics Client Licenses	50	\$50.99	\$2,549
NetMotion Diagnostics Client Software Maintenance (2 years)	50	\$26.74	\$1,337
NetMotion Diagnostics Server Licenses	1	\$41,714	\$41,714
NetMotion Diagnostics Server Software Maintenance (2 years)	1	\$21,684	\$21,683
Virtual Server Hosting Fees (@ \$19,077 per unit for 2 years)	2	\$38,154	\$76,308

G. CONSTRUCTION: TOTAL AMOUNT \$0

This grant does not allow or require any equipment which meets the criteria for grant reimbursement.

H. OTHER: TOTAL AMOUNT \$90,760

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$22,966	\$41,874	\$64,840
Non-Federal:	\$ 9,181	\$16,739	\$25,920
Increment Total:	\$32,147	\$58,613	\$90,760

Stakeholder Governance and Planning Meeting Expenses (Federal \$19,200 / non-Federal \$0)

Facility rental, content and presentation materials, and other incidental costs for two meetings per month at an average cost of \$400 per meeting.

Stakeholder Attendance at Governance and Planning Meetings (Federal \$0 / non-Federal \$25,920)

Stakeholder time dedicated while participating in governance meetings; planning and consultation meetings related to the MEMHS FirstNet Emergency Communication Technology Transition and Identify and Document Coverage Gaps initiatives; and other SLIGP grant activities. Wages are calculated by classification based on the Bureau of Labor Statistics rates at an average of \$27.00 per hour. Projections are based on ten (10) stakeholders attending two (2) meetings per month, lasting two (2) hours per meeting.

Michigan Interoperable Communications Conference (Federal \$40,000 / non-Federal \$0)

Expenses associated with co-hosting the Michigan Interoperable Communications Conference, and sessions dedicated to Michigan’s public safety broadband program. Support of this event has been requested by FirstNet. Co-hosting fees are \$20,000 per year.

LTE Devices / Cell Phones (Federal \$1,200 / non-Federal \$0)

Monthly charges for one (1) cell phone for the MiPSB PD calculated at a base amount of \$50 month.

Conference Call / Webinar Hosting Service (Federal \$4,440 / non-Federal \$0)

Conference line and webinar services to support MiPSB Workgroup and governance meetings. This service is dedicated to grant-related activities and is projected at an average cost of \$185 per month.

I. INDIRECT COSTS: TOTAL \$4,167

	Increment 1	Increment 2 NTE	Total Amount
Federal:	\$1,475	\$2,692	\$4,167
Non-Federal:	\$0	\$0	\$0
Increment Total:	\$1,475	\$2,692	\$4,167

The Indirect Cost Rate is 5.4 percent of MSP Grant Analyst wages and fringe benefits (\$77,168) for a total cost of \$4,167 over the two-year grant performance period.

Michigan Detailed Budget Justification

Category	Detailed Description of Budget (for full grant period)			Increment 1		Increment 2		Total Breakdown of Costs		Total Project Costs
				Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	
A. Personnel	Quantity	Unit Cost	Total Cost							
MSP Grant Analyst: This position will spend 156 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$71,156.80 / \$34.21 hour.	1248	\$ 34.21	\$ 42,694	\$ 15,122		\$ 27,572		\$ 42,694	\$ -	\$ 42,694
Total Personnel			\$ 42,694	\$ 15,122	\$ -	\$ 27,572	\$ -	\$ 42,694	\$ -	\$ 42,694
B. Fringe: <i>Fringe Benefits include social security (6.2%); Medicare (1.45%); retirement (50.85%); health insurance (20.5%); long term disability (0.9%); life insurance (1.1%); and longevity (0.8%).</i>	Quantity	Unit Cost	Total Cost							
MSP Grant Analyst: This position will spend 156 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$71,156.80 / \$34.21 hour.	\$ 42,694	81.80%	\$ 34,924	\$ 12,370		\$ 22,554		\$ 34,924	\$ -	\$ 34,924
Total Fringe			\$ 34,924	\$ 12,370	\$ -	\$ 22,554	\$ -	\$ 34,924		\$ 34,924
C. Travel	Quantity	Unit Cost	Total Cost							
Travel costs include conference registration fees, lodging, and meals. The Unit Cost is based on the projected annual spend. Itemized expenses are provided in the Detailed Budget Justification document.	2	\$ 6,648	\$ 13,296	\$ 4,709		\$ 8,587		\$ 13,296	\$ -	\$ 13,296
Total Travel			\$ 13,296	\$ 4,709	\$ -	\$ 8,587	\$ -	\$ 13,296	\$ -	\$ 13,296
D. Equipment	Quantity	Unit Cost	Total Cost							
N/A										
Total Equipment			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
E. Supplies	Quantity	Unit Cost	Total Cost							
Miscellaneous Office Supplies	1	\$ 103	\$ 103	\$ 34	\$ -	\$ 69	\$ -	\$ 103	\$ -	\$ 103
Total Supplies			\$ 103	\$ 34	\$ -	\$ 69	\$ -	\$ 103	\$ -	\$ 103
F. Contractual	Quantity	Unit Cost	Total Cost							

Michigan Detailed Budget Justification

Category	Detailed Description of Budget (for full grant period)			Increment 1		Increment 2		Total Breakdown of Costs		Total Project Costs
F(1) DTMB Personnel Salaries:										
DTMB MiPSB Program Director: This position will spend 520 hours per quarter of their time on SLIGP 2.0 Grant Activities for 2 years. The annual salary is \$115,829.50 / \$55.69 hour.	4160	\$ 55.69	\$ 231,670.40	\$ 82,060		\$ 149,610		\$ 231,670	\$ -	\$ 231,670
DTMB MPSCS Director / SWIC: This position will spend 124 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$124,463.16 / \$59.84 hour.	992	\$ 59.84	\$ 59,362		\$ 21,026	\$ 38,336		\$ -	\$ 59,362	\$ 59,362
DTMB Budget and Procurement Analyst: This position will spend 120 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$71,860.59 / \$34.55 hour.	960	\$ 34.55	\$ 33,168	\$ 11,748		\$ 21,420		\$ 33,168	\$ -	\$ 33,168
DTMB MIPSB Admin Support: This position will spend 90 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$62,462.40 / \$30.03 hour.	720	\$ 30.03	\$ 21,621		\$ 7,658	\$ 13,963		\$ -	\$ 21,621	\$ 21,621
DTMB SWIC Admin Support: This position will spend 72 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$54,939.50 / \$26.41 hour.	576	\$ 26.41	\$ 15,212		\$ 5,388	\$ 9,824		\$ -	\$ 15,212	\$ 15,212
DTMB MPSCS PSESU IT Manager: This position will spend 40 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$90,343.05 / \$43.43 hour.	320	\$ 43.43	\$ 13,898		\$ 4,923	\$ 8,975		\$ -	\$ 13,898	\$ 13,898
DTMB MPSCS PSESU Analyst This position will spend 130 hours per quarter of their time on SLIGP 2.0 grant activities. The annual salary is \$78,201.00 / \$37.60 hour.	1040	\$ 37.60	\$ 39,104		\$ 13,851	\$ 25,253		\$ -	\$ 39,104	\$ 39,104

Michigan Detailed Budget Justification

Category	Detailed Description of Budget (for full grant period)			Increment 1	Increment 2	Total Breakdown of Costs		Total Project Costs
F(2) DTMB Personnel Fringe Benefits <i>Fringe Benefits include social security (6.2%); Medicare (1.45%); retirement (50.85%); health insurance (20.5%); long term disability (0.9%); life insurance (1.1%); and longevity (0.8%).</i>								
DTMB MiPSB Program Director:	\$ 231,670	81.80%	\$ 189,497	\$ 67,120	\$ 122,377	\$ 189,497	\$ -	\$ 189,497
DTMB MPSCS Office Director / Statewide Interoperability Coordinator (SWIC):	\$ 59,362	81.80%	\$ 48,557	\$ 17,199	\$ 31,358	\$ -	\$ 48,557	\$ 48,557
DTMB Budget and Procurement Analyst:	\$ 33,168	81.80%	\$ 27,131	\$ 9,610	\$ 17,521	\$ 27,131	\$ -	\$ 27,131
DTMB MIPSB Admin Support:	\$ 21,621	81.80%	\$ 17,687	\$ 6,265	\$ 11,422	\$ -	\$ 17,687	\$ 17,687
DTMB SWIC Admin Support:	\$ 15,212	81.80%	\$ 12,444	\$ 4,408	\$ 8,036	\$ -	\$ 12,444	\$ 12,444
DTMB MPSCS PSESU IT Manager:	\$ 13,898	81.80%	\$ 11,369	\$ 4,027	\$ 7,342	\$ -	\$ 11,369	\$ 11,369
DTMB MPSCS PSESU Analyst	\$ 39,104	81.80%	\$ 31,987	\$ 11,330	\$ 20,657	\$ -	\$ 31,987	\$ 31,987
F(3) DTMB Personnel Travel								
Travel costs include conference registration fees, airfare, lodging, ground transportation, and meals. The Unit Cost is based on the projected annual spend. Itemized expenses are provided in the Detailed Budget Justification document.	2	\$ 13,056	\$ 26,112	\$ 9,249	\$ 16,863	\$ 26,112	\$ -	\$ 26,112
F(4) DTMB Supplies								
General Office Supplies @ \$40 month	1	\$ 847	\$ 847	\$ 300	\$ 547	\$ -	\$ 847	\$ 847
Laptops	1	\$ 1,400	\$ 1,400	\$ 496	\$ 904	\$ 1,400	\$ -	\$ 1,400
IT Desktop Support	24	\$ 83	\$ 1,992	\$ 706	\$ 1,286	\$ -	\$ 1,992	\$ 1,992
F(5) MEMHS FirstNet Emergency Communication Technology Transition								
MEMHS Communication Technology Transition - SME Contractual Expenses	1	\$ 387,407	\$ 387,407	\$ 137,180	\$ 250,227	\$ 387,407	\$ -	\$ 387,407
F(6) Identify and Document Coverage Gaps								
Identify and Document Coverage Gaps - Netmotion Diagnostics Client Licenses	50	\$ 51	\$ 2,549	\$ 903	\$ 1,646	\$ 2,549	\$ -	\$ 2,549
Identify and Document Coverage Gaps - Netmotion Diagnostics Client Maintenance (Unit cost calculated as 2 years @ \$13.37 per year)	50	\$ 27	\$ 1,337	\$ 474	\$ 863	\$ 1,337	\$ -	\$ 1,337

Michigan Detailed Budget Justification

Category	Detailed Description of Budget (for full grant period)			Increment 1		Increment 2		Total Breakdown of Costs		Total Project Costs
Identify and Document Coverage Gaps - Netmotion Diagnostics Server License	1	\$ 41,714	\$ 41,714	\$ 14,775		\$ 26,939		\$ 41,714	\$ -	\$ 41,714
Identify and Document Coverage Gaps - Netmotion Diagnostics Server License Maintenance (Unit cost calculated as 2 years @ \$10,942 per year)	1	\$ 21,684	\$ 21,683	\$ 7,680		\$ 14,003		\$ 21,683	\$ -	\$ 21,683
Identify and Document Coverage Gaps - (2) Virtual Server Hosting Fees (Unit cost calculated as 2 years @ \$19,077 per year)	2	\$ 38,154	\$ 76,308	\$ 27,028		\$ 49,280		\$ 76,308	\$ -	\$ 76,308
Total Contractual			\$ 1,314,056	\$ 368,323	\$ 97,081	\$ 671,653	\$ 176,999	\$ 1,039,976	\$ 274,080	\$ 1,314,056
G. Construction	Quantity	Unit Cost	Total Cost	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	
N/A										
Total Construction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
H. Other	Quantity	Unit Cost	Total Cost	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	
Stakeholder Governance and Planning Meeting Expenses	48	\$ 400	\$ 19,200	\$ 6,801		\$ 12,399		\$ 19,200	\$ -	\$ 19,200
Stakeholder Attendance at Governance and Planning Meetings Stakeholder time donated for attendance at governance meetings. (Unit cost calculated at average of 10 stakeholders @ 2 hours per meeting @ \$27/hour).	48	\$ 540	\$ 25,920		\$ 9,181		\$ 16,739		\$ 25,920	\$ 25,920
MI Statewide Interoperable Communications Training Conference	2	\$ 20,000	\$ 40,000	\$ 14,168		\$ 25,832		\$ 40,000	\$ -	\$ 40,000
LTE Devices / Cell Phones 1 @ \$50 month	24	\$ 50	\$ 1,200	\$ 425		\$ 775		\$ 1,200	\$ -	\$ 1,200
Conference Call / Web Hosting Services	24	\$ 185	\$ 4,440	\$ 1,573		\$ 2,867		\$ 4,440	\$ -	\$ 4,440
Total Other			\$ 90,760	\$ 22,966	\$ 9,181	\$ 41,874	\$ 16,739	\$ 64,840	\$ 25,920	\$ 90,760
Total Direct Charges			\$ 1,495,833	\$ 423,525	\$ 106,262	\$ 772,308	\$ 193,738	\$ 1,195,833	\$ 300,000	\$ 1,495,833

Michigan Detailed Budget Justification

Category	Detailed Description of Budget (for full grant period)			Increment 1		Increment 2		Total Breakdown of Costs		Total Project Costs
	Quantity	Unit Cost	Total Cost	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	
I. Indirect Costs										
Indirect cost rate is 5.4 percent of MSP Grant Analyst wages and fringe benefits (\$77,168) for a cost of \$4,167.	\$ 77,168	5.40%	\$ 4,167	\$ 1,475		\$ 2,692		\$ 4,167	\$ -	\$ 4,167
Total Indirect			\$ 4,167	\$ 1,475	\$ -	\$ 2,692	\$ -	\$ 4,167	\$ -	\$ 4,167
TOTALS			\$ 1,500,000	\$ 425,000	\$ 106,262	\$ 775,000	\$ 193,738	\$ 1,200,000	\$ 300,000	\$ 1,500,000
			Match Proportion	80.00%	20.00%	80.00%	20.00%	80.00%	20.00%	

\$275	n/a	\$200	\$400	\$144
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\$2,680
\$3,130
\$3,930
\$3,316
\$1,019

\$2,549
\$1,337
\$41,714
\$21,683
\$76,308

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

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

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

Statement for Loan Guarantees and Loan Insurance

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

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

* NAME OF APPLICANT

Michigan Department of State Police

* AWARD NUMBER

* PROJECT NAME

Michigan State and Local Implementation Grant Program

Prefix:

Ms.

* First Name:

Kriste

Middle Name:

* Last Name:

Kibbey Etue

Suffix:

* Title:

Director

* SIGNATURE:

Matt Opsommer

* DATE:

12/27/2017

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

<p>SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Matt Opsommer</p>	<p>TITLE</p> <p>Director</p>
<p>APPLICANT ORGANIZATION</p> <p>Michigan Department of State Police</p>	<p>DATE SUBMITTED</p> <p>12/27/2017</p>

Standard Form 424B (Rev. 7-97) Back

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB

4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name:

* Street 1: Street 2:

* City: State: Zip:

Congressional District, if known:

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

6. * Federal Department/Agency: <input type="text" value="Department of Commerce"/>	7. * Federal Program Name/Description: <input type="text" value="State and Local Implementation Grant Program"/> CFDA Number, if applicable: <input type="text" value="11.549"/>
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8. Federal Action Number, if known: <input type="text"/>	9. Award Amount, if known: \$ <input type="text"/>
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10. a. Name and Address of Lobbying Registrant:

Prefix * First Name Middle Name

* Last Name Suffix

* Street 1: Street 2:

* City: State: Zip:

b. Individual Performing Services (including address if different from No. 10a)

Prefix * First Name Middle Name

* Last Name Suffix

* Street 1: Street 2:

* City: State: Zip:

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature:

* Name: Prefix * First Name Middle Name

* Last Name Suffix

Title: Telephone No.: Date:

Federal Use Only: Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)



STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

December 15, 2017

Ms. Sue Swenson
Chairperson, FirstNet
U.S. Department of Commerce
1401 Constitution Avenue, NW, Room 4898
Washington, DC 20230

Ms. Marsha MacBride
Associate Administrator
National Telecommunications and Information Administration
U.S. Department of Commerce
1401 Constitution Avenue, NW, Room 4898
Washington, DC 20230

Dear Ms. Swenson and Ms. MacBride:

I have designated Michigan's Chief Information Officer (CIO), Mr. David L. DeVries, to replace Mr. Brom Stibitz as the Single Point of Contact for FirstNet in Michigan. Mr. DeVries will coordinate activities with the Michigan Public Safety Communications Interoperability Board, the Statewide Interoperability Coordinator, and Michigan's Public Safety Broadband Program to ensure the stakeholders are well informed and included participants as Michigan prepares for the National Public Safety Broadband Network.

Sincerely,

A handwritten signature in black ink that reads "Rick Snyder".

Rick Snyder
Governor