

Application for Federal Assistance SF-424

| | | |
|--|--|--|
| * 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application | * 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision | * If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/> |
|--|--|--|

| | |
|--|--|
| * 3. Date Received: <input type="text"/> Completed by Grants.gov upon submission. | 4. Applicant Identifier: <input type="text"/> |
|--|--|

| | |
|--|---|
| 5a. Federal Entity Identifier: <input type="text"/> | 5b. Federal Award Identifier: <input type="text"/> |
|--|---|

State Use Only:

| | |
|---|---|
| 6. Date Received by State: <input type="text"/> | 7. State Application Identifier: <input type="text"/> |
|---|---|

8. APPLICANT INFORMATION:

* a. Legal Name: Tennessee Dept. of Safety and Homeland Security

| | |
|--|---|
| * b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text"/> 62-6001445 | * c. Organizational DUNS: <input type="text"/> 8782974150000 |
|--|---|

d. Address:

* Street1: 1150 Foster Avenue
Street2:
* City: Nashville
County/Parish: Davidson
* State: TN: Tennessee
Province:
* Country: USA: UNITED STATES
* Zip / Postal Code: 37243-4000

e. Organizational Unit:

| | |
|--|--|
| Department Name: <input type="text"/> TN Dept. of Safety and HS | Division Name: <input type="text"/> THP - Wireless Comm. - TACN |
|--|--|

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

Prefix: Mrs. * First Name: Natasha
Middle Name: Lynn
* Last Name: Spicer
Suffix:

Title: Grants Analyst III

Organizational Affiliation:

* Telephone Number: 615-743-4965 Fax Number: 615-401-6785

* Email: natasha.spicer@tn.gov

Application for Federal Assistance SF-424

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

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

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

National Telecommunications and Information Admini

11. Catalog of Federal Domestic Assistance Number:

11.549

CFDA Title:

State and Local Implementation Grant Program

*** 12. Funding Opportunity Number:**

2018-NTIA-SLIGP-2

* Title:

State and Local Implementation Grant Program (SLIGP) 2.0

13. Competition Identification Number:

2018-NTIA-SLIGP-2

Title:

State and Local Implementation Grant Program (SLIGP) 2.0

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

Add Attachment

Delete Attachment

View Attachment

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

SLIGP 2.0

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

| | |
|---------------------|---|
| * a. Federal | <input type="text" value="700,000.00"/> |
| * b. Applicant | <input type="text" value="175,000.00"/> |
| * c. State | <input type="text" value="0.00"/> |
| * d. Local | <input type="text" value="0.00"/> |
| * e. Other | <input type="text" value="0.00"/> |
| * f. Program Income | <input type="text" value="0.00"/> |
| * g. TOTAL | <input type="text" value="875,000.00"/> |

*** 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

Add Attachment

Delete Attachment

View Attachment

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. 2018-NTIA-SLIGP-02 | 11.549 | \$ <input type="text"/> | \$ <input type="text"/> | \$ 700,000 | \$ 175,000 | \$ 875,000 |
| 2. | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 3. | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 4. | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 5. Totals | | \$ <input type="text"/> | \$ <input type="text"/> | \$ 700,000 | \$ 175,000 | \$ 875,000 |

SECTION B - BUDGET CATEGORIES

| 6. Object Class Categories | GRANT PROGRAM, FUNCTION OR ACTIVITY | | | | Total (5) |
|---|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | (1) | (2) | (3) | (4) | |
| | N/A | N/A | | | |
| a. Personnel | \$ <input type="text"/> | \$ 79,520.00 | \$ <input type="text"/> | \$ <input type="text"/> | \$ 79,520.00 |
| b. Fringe Benefits | <input type="text"/> | 34,100.00 | <input type="text"/> | <input type="text"/> | 34,100.00 |
| c. Travel | 104,000.00 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 104,000.00 |
| d. Equipment | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| e. Supplies | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| f. Contractual | 596,000.00 | <input type="text"/> | <input type="text"/> | <input type="text"/> | 596,000.00 |
| g. Construction | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| h. Other | <input type="text"/> | 61,380.00 | <input type="text"/> | <input type="text"/> | 61,380.00 |
| i. Total Direct Charges (sum of 6a-6h) | 700,000.00 | 175,000.00 | <input type="text"/> | <input type="text"/> | \$ 875,000.00 |
| j. Indirect Charges | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | \$ <input type="text"/> |
| k. TOTALS (sum of 6i and 6j) | \$ 700,000.00 | \$ 175,000.00 | \$ <input type="text"/> | \$ <input type="text"/> | \$ 875,000.00 |
| 7. Program Income | \$ <input type="text"/> | \$ <input type="text"/> | \$ <input type="text"/> | \$ <input type="text"/> | \$ <input type="text"/> |

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| SECTION C - NON-FEDERAL RESOURCES | | | | | |
|---|---|--|---|---|---|
| (a) Grant Program | (b) Applicant | (c) State | (d) Other Sources | (e) TOTALS | |
| 8. <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | |
| 9. <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | |
| 10. <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | |
| 11. <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | |
| 12. TOTAL (sum of lines 8-11) | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | |
| SECTION D - FORECASTED CASH NEEDS | | | | | |
| | Total for 1st Year | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter |
| 13. Federal | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> |
| 14. Non-Federal | \$ <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> |
| 15. TOTAL (sum of lines 13 and 14) | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" 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 style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | |
| 17. <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | |
| 18. <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | |
| 19. <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | <input style="width: 95%;" type="text"/> | |
| 20. TOTAL (sum of lines 16 - 19) | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | \$ <input style="width: 95%;" type="text"/> | |
| SECTION F - OTHER BUDGET INFORMATION | | | | | |
| 21. Direct Charges: <input style="width: 95%;" type="text"/> | | 22. Indirect Charges: <input style="width: 95%;" type="text"/> | | | |
| 23. Remarks: <input style="width: 95%;" type="text"/> | | | | | |

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**State of Tennessee
Department of Safety and Homeland Security
Tennessee Advanced Communication Network**

**State and Local Implementation Grant Program
Application Narrative**

Introduction

The State of Tennessee is applying for federal assistance pursuant to the National Telecommunications and Information Administration’s (NTIA) Notice of Funding Opportunity (NOFO) regarding the State and Local Implementation Grant Program (SLIGP) 2.0 (2018-NTIA-SLIGP-2). The State understands that the primary purpose of this grant opportunity is to provide support to states and territories as they further plan for NPSBN deployment and public safety user adoption in the post-State Plan period. The State of Tennessee intends to apply for the full allotment of \$700,000 and is fully prepared to comply with the 20% matching funds requirement of \$175,000 and all other requirements relating to the allowable activities for Opt-In states as described in Section D.6.a.i. The Table below illustrates the high-level funding scenario contemplated by our application.

| | Total Award | Increment 1 | Increment 2 |
|---------------------|--------------------|--------------------|--------------------|
| Federal: | \$700,000 | \$250,000 | \$450,000 |
| Non-Federal: | \$175,000 | \$62,500 | \$112,500 |
| Total: | \$875,000 | \$312,500 | \$562,500 |

Background

The State of Tennessee has been an active supporter of the National Public Safety Broadband Network (NPSBN) since its inception in 2012. Tennessee’s active participation in the NTIA’s SLIGP 1.0 funding opportunity has resulted in a preliminary Opt-In decision by Governor Haslam which was announced on August 31, 2017. The Governor’s decision was based on input received from key stakeholders across the state regarding the potential benefits of the NPSBN to Tennessee’s first responder community. The positive support from Tennessee’s public safety community was the result of 32 months of extensive efforts on behalf of the TACN FirstNet project team members involving outreach and education activities, data collection activities, governance activities, and continuous coordination with NTIA, FirstNet, and AT&T personnel. The results achieved by the State of Tennessee in connection with SLIGP 1.0 have been recognized at the national level and have laid a solid foundation for the transition to operations as contemplated by NTIA under the SLIGP 2.0 grant program.

Staffing Plan

In support of NTIA's SLIGP 2.0 grant program, the State of Tennessee intends to leverage the project organization and governance structures established under SLIGP 1.0 that have served NTIA and FirstNet so well over the past 32 months. An overview of those organizations is as follows.

Project Organization – Tennessee's SLIGP 2.0 project organization will be organizationally located within the Department of Safety and Homeland Security (DOSHS) and will be led by the Director of Wireless Communications. The Director will function as the Single Point of Contact (SPOC) for the State of Tennessee and will provide oversight of the SLIGP 2.0 program within the State of Tennessee. The Director will be responsible for interacting directly with FirstNet and AT&T on all matters related to Tennessee's portion of the National Public Safety Broadband Network. He will establish the strategic direction for broadband within the state and will facilitate all governance meetings. The Director will also be responsible for oversight of all TACN FirstNet project team activities and be responsible for ensuring all programmatic grant requirements are fulfilled. The Director will spend 20% of his time on SLIGP 2.0 grant activities for the 2-year period of performance.

- The Deputy Director of Wireless Communications will report directly to the Director of Wireless Communications and will function as the Statewide Interoperability Coordinator (SWIC). The Deputy Director will be responsible for establishing interoperability practices within the state regarding LMR to LTE integration, identifying and implementing broadband related modifications to the Statewide Communications Interoperability Plan (SCIP), formulation and approval of statewide standards for device identification, talk-group naming, QPP policies and procedures, and Identity Credentialing and Access management (ICAM) policies within the state. The Deputy Director will spend 20% of his time on SLIGP 2.0 grant activities for the 2-year period of performance.
- A SLIGP 2.0 Project Coordinator will be selected and will coordinate all FirstNet related meetings and stakeholder activities including governance meetings, regional meetings, statewide broadband conferences, website activities, monthly newsletter publications, and travel planning. This person will also provide oversight of the grant program, including assuring completion of progress reports, managing the project's budget and financial reporting, and ensuring grant compliance. The Project Coordinator will work directly with administrative personnel within the State to ensure all grant management reporting requirements are met. The Project Coordinator will spend 20% of their time on SLIGP 2.0 grant activities for the 2-year period of performance.
- The State intends to continue the services of the public safety communications consulting firm that assisted the State under SLIGP 1.0. The firm will assist the State and its RAN Partner in establishing or enhancing existing capabilities related to governance, voice and data interoperability, ICAM, local control, QPP, cybersecurity, and other relevant aspects of wireless broadband communications. The public safety communications consulting firm may also be asked to further assist the state by supporting all statewide and regional FirstNet requested events, developing executive briefing materials, attending broadband related events, identification of best practices and providing project management functions as requested. The State envisions that the consulting firm will participate in teleconferences, work sessions, executive meetings, and industry events as requested and as necessary to support the SLIGP 2.0

program. The consulting firm will spend approximately 2,980 hours supporting the program over the 2-year period of performance.

Governance Structure

The State will leverage the existing governance structure of the TACN Advisory Panel (TACN AP) to provide executive oversight and to advise the SPOC on matters relating to the rollout and adoption of FirstNet within the State. The TACN AP will also provide guidance for the formulation of policies and procedures for LMR/LTE interoperability and emergency response communication throughout the state. The TACN AP has formed a Technical Working Group and an Operations Working Group to assist the SPOC regarding technical or operational matters related to the NPSBN.

SLIGP 2.0 Organized Events

Regional Conferences – Stakeholder involvement and communications will be essential in achieving the programmatic requirements of the SLIGP 2.0. Accordingly, the State intends to continue to organize and conduct regional conferences throughout the State for the purposes of furthering data interoperability, voice interoperability, and policies and procedures related to ICAM and QPP. The State plans to conduct up to six (6) regional meetings in areas throughout the state that are readily accessible to Tennessee’s first responder community. The State envisions that the regional meetings will be attended by 25 to 50 area personnel and will last approximately four (4) hours each. These meetings will be conducted in the spring of each year and will be coordinated with and attended by personnel from FirstNet, AT&T, and NTIA as appropriate.

Statewide Conferences – The State intends to plan and conduct two Statewide Public Safety Broadband Conference each year. This conference will be held in Nashville, Tennessee and will be attended by approximately 150-200 members of Tennessee’s first responder community. The statewide conferences will be held in the summer of each year and will be approximately eight (8) hours in duration. As with the regional conferences, the project team will coordinate the meeting time, agenda, speakers, etc. with NTIA, FirstNet, and AT&T as appropriate.

Stakeholder Involvement - Tennessee intends to leverage the stakeholder time spent participating in the regional and statewide conferences as an in-kind match for the state. Based on attendance at similar events conducted under SLIGP 1.0, the State expects the monetary value of the in-kind contribution to be calculated according to the table below. Average of \$27.65/hour for a total of 2,220 stakeholder hours.

| Event | Number | Attendees | Hours/Event | Total Hours |
|--|---------------|------------------|--------------------|--------------------|
| Statewide Conferences | 2 | 125 | 6 | 1,500 |
| Regional/FirstNet Events | 12 | 20 | 3 | 720 |
| Total Hours | | | | 2,220 |
| Average Hourly Rate | | | | \$27.65 |
| Total In-Kind match from organized events | | | | \$61,380 |

Allowable Activities

The State of Tennessee has reviewed the allowable activities for states where FirstNet is deploying the RAN (Opt-In States) and intends to support NTIA and FirstNet in any or all authorized activities as requested.

- ✓ Single officer (or governmental body) and staff to, at a minimum, provide for ongoing coordination with NTIA and implementation of grant funds.
- ✓ 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.
- ✓ Data collection in specific areas identified to be helpful as requested by FirstNet.
- ✓ 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.
- ✓ Individuals, such as the single officer and governing body members, to perform planning activities to help FirstNet and its partner further identify potential public safety users of the NPSBN.
- ✓ Planning efforts to help FirstNet gain inclusion on applicable statewide contract vehicles.
- ✓ Planning activities to prepare for emergency communications technology transitions.
- ✓ Activities to identify and plan for the transition of public safety applications, software, and databases.
- ✓ Identifying and documenting on-going coverage needs/gaps within the State.
- ✓ Activities to convene stakeholder outreach events to continue planning for NPSBN implementation, as requested by FirstNet.

Allowable Costs

The State of Tennessee has reviewed the allowable activities for States where FirstNet is deploying the RAN (Opt-In States) and intends to fully comply with the programmatic requirements as follows:

Personnel Costs – The State will use the salaries and fringe benefits for the Director, Deputy Director, and Project Coordinator as part of the state’s in-kind match. Fringe benefits comprise the benefits that are provided by the State such as the State portion of the Medical Insurance, Dental Insurance, Retirement and other State provided benefits as selected by the individual.

Travel Costs – The State will utilize SLIGP 2.0 funds to provide for in state and out of state travel in accordance with Tennessee’s travel policies. It is expected that SLIGP funds will be utilized for airfare, ground transportation, lodging, meals, and incidental expenditures associated with stakeholder attendance at governance body meetings, FirstNet meetings, data collection, or other allowable program activities.

Supply Costs – The State does not intend to incur any costs related to supplies.

Contractual Costs - The State intends to continue the contractual relationship with the public safety communications firm retained under SLIGP 1.0 to assist the State in all matters related to SLIGP 2.0. The State further intends to utilize SLIGP 2.0 funds for all costs associated with the public safety communications consulting firm.

Other Miscellaneous Costs – The State intends to leverage donated stakeholder time at regional, statewide events and other events as requested by FirstNet as a component of the state’s matching portion of funds.

Administrative Service Costs - The State does not intend to incur any costs related to Administrative Service Costs.

Legal Costs - The State does not intend to incur costs related to Legal Costs.

Indirect Costs - The State does not intend to incur costs related to Indirect Costs.

Pre-award Costs - The State does not intend to incur costs related to Pre-award Costs.

**State of Tennessee
 Department of Safety and Homeland Security
 Tennessee Advanced Communication Network**

State and Local Implementation Grant Program 2.0 Detailed Budget

TOTALS

| | Total Award | Increment 1 | Increment 2 NTE |
|---------------------|--------------------|--------------------|------------------------|
| Federal: | \$700,000 | \$250,000 | \$450,000 |
| Non-Federal: | \$175,000 | \$62,500 | \$112,500 |
| Total: | \$875,000 | \$312,500 | \$562,500 |

Personnel: Total Amount \$79,520

| | Increment 1 | Increment 2 NTE |
|-------------------------|--------------------|------------------------|
| Federal: | \$0 | \$0 |
| Non-Federal: | \$29,817 | \$49,703 |
| Increment Total: | \$29,817 | \$49,703 |

See the Detailed Budget Spreadsheet for calculations.

- Director of Wireless Communications (Federal \$0, Non-Federal \$39,525): Functions as the Single Point of Contact (SPOC) for the State of Tennessee and provides oversight of the entire broadband program within the State of Tennessee. Will be responsible for interacting directly with FirstNet and AT&T all matters related to the Tennessee’s portion of the National Public Safety Broadband Network. Will establish the strategic direction for broadband within the state and will facilitate all governance meetings. Responsible for oversight of all TACN FirstNet project team activities. The Director will spend 20% of his time on SLIGP 2.0 Grant Activities for 2 years. The annual salary for this position is \$98,812.
- Deputy Director of Wireless Communications (Federal \$0, Non-Federal \$25,160): Reports directly to the Director of Wireless Communications and also functions as the Statewide Interoperability Coordinator (SWIC). The Deputy Director will be responsible for establishing interoperability practices within the state regarding LMR to LTE integration, identifying and implementing broadband related modifications to the Statewide Communications Interoperability Plan (SCIP), formulation and approval of statewide standards for device identification, talkgroup naming, QPP policies and procedures, and Identity Credentialing and Access management (ICAM) policies within

the state. The Deputy Director will spend 20% of his time on SLIGP 2.0 Grant Activities for 2 years. The annual salary for this position is \$62,900.

- Project Coordinator (Federal \$0, Non-Federal \$14,835): The Project Coordinator will coordinate all FirstNet related meetings and stakeholder activities including governance meetings, regional meetings, statewide broadband conferences, website activities, monthly newsletter publications, and travel planning. This person will also provide oversight of the grant program, including assuring completion of progress reports, managing the project’s budget and financial reporting, and ensuring grant compliance. The Project Coordinator will spend 20% of their time on SLIGP 2.0 grant activities for 2 years. The annual salary is for this position is \$37,088.

Fringe: Total Amount \$34,100

| | Increment 1 | Increment 2 NTE |
|-------------------------|--------------------|------------------------|
| Federal: | \$0 | \$0 |
| Non-Federal: | \$12,787 | \$21,313 |
| Increment Total: | \$12,787 | \$21,313 |

See the Detailed Budget Spreadsheet for calculations.

Fringe benefits comprise of benefits that are provided by the State such as the State portion of the Medical Insurance, Dental Insurance, Retirement and other State provided benefits as selected by the individual. Fringe is calculated based on the following:

- Director of Wireless Communications (Federal \$, Non-Federal \$13,320): Fringe is calculated at 33.7% of Personnel time (\$39,525), for the portion of time spent on SLIGP 2.0 activities.
- Deputy Director of Wireless Communications (Federal \$, Non-Federal \$14,014): Fringe is calculated at 55.7% of Personnel (\$25,160), for the portion of time spent on SLIGP 2.0 activities.
- Project Coordinator (Federal \$0, Non-Federal \$6,766): Fringe is calculated at 45.6% of Personnel \$14,835), for the portion of time spent on SLIGP 2.0 activities.

Travel: Total Amount \$104,000

| | Increment 1 | Increment 2 NTE |
|-------------------------|--------------------|------------------------|
| Federal: | \$38,997 | \$65,003 |
| Non-Federal: | \$0 | \$0 |
| Increment Total: | \$38,997 | \$65,003 |

See the Detailed Budget Spreadsheet for calculations.

- In-State Employee Travel (Federal \$10,080, Non-Federal \$0): Four employees (Director, Deputy Director, Project Coordinator, State Trooper), traveling together to 6 regional meetings and one statewide conference, for a total of 28 trips per year for each of the grant period. Airfare for each traveler will be \$0, per diem of \$45.00 for one day, lodging of \$110 a night for one night, and a mileage allowance of \$25 per person per trip. The cost of each trip per person is approximately \$180. There will be 56 trips (28 trips per year for 2 years).
- Out of State Employee Travel (Federal \$93,920, Non-Federal \$0): Out of state travel for regional and national meetings with FirstNet, IWCE and APCO or other approved organizations. Five employees (Director, Deputy Director, Project Coordinator, and two other stakeholders (TBD) will travel to a total of 5 meetings each year of the grant period. Total number of trips is 50 at a cost of approximately \$1,878.40 including: \$800 round trip airfare, \$398.40 total lodging for two nights and estimated per diem of \$180 at \$60 a day for three days, plus an average conference registration fee of \$500.

Equipment: Total Amount \$0 Federal: \$0 Non-Federal: \$0

There are no equipment costs anticipated during this grant.

Supplies: Total Amount \$0 Federal: \$0 Non-Federal: \$0

There are no supply costs anticipated during this grant.

Contractual: Total Amount \$596,000

| | Increment 1 | Increment 2 NTE |
|-------------------------|--------------------|------------------------|
| Federal: | \$211,003 | \$384,997 |
| Non-Federal: | \$0 | \$0 |
| Increment Total: | \$211,003 | \$384,997 |

See the Detailed Budget Spreadsheet for calculations

Public Safety Communications Consulting Firm (Federal \$596,000, Non-Federal \$0): The State will establish a contract with a Public Safety Communications Consulting Firm to assist the State and its RAN Partner in establishing or enhancing existing capabilities related to governance, voice and data interoperability, ICAM, local control, QPP, cybersecurity, and other relevant aspects of wireless broadband communications. The Public Safety Communications Consulting Firm may also be asked to further assist the state by supporting all statewide and regional FirstNet requested events, developing executive briefing materials, attending broadband related events, identification of best practices and

providing project management functions as requested. Services will be provided at an average hourly rate of \$200 for a total of 2,980 hours.

Construction Total Amount: \$0 Federal: \$0 Non-Federal: \$0 Total: \$0

We do not plan to have any construction costs for this grant program.

Other: Total Amount \$61,380

| | Increment 1 | Increment 2 NTE |
|-------------------------|--------------------|------------------------|
| Federal: | \$0 | \$0 |
| Non-Federal: | \$19,896 | \$41,484 |
| Increment Total: | \$19,896 | \$41,484 |

See the Detailed Budget Spreadsheet for calculations

Stakeholder Time (Federal \$0, Non-Federal \$61,380): Stakeholder time for attendance at statewide conferences, regional or FirstNet events. Average of \$27.65/hour for a total of 2,220 stakeholder hours.

| Event | Number | Attendees | Hour/Event | Total Hours |
|---------------------------------|---------------|------------------|-------------------|--------------------|
| Statewide Conferences | 2 | 125 | 6 | 1,500 |
| Regional/FirstNet Events | 12 | 20 | 3 | 720 |
| Total | | | | 2,220 |

Tennessee: SLIGP 2.0 Detailed Budget Spreadsheet

| ORIGINAL | | | | | |
|--|--|------------------|-------------------|--------------------|--------------------|
| Category | Detailed Description of Budget (for full grant period) | | | Breakdown of Costs | |
| | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| a. Personnel | | | | | |
| Director of Wireless Communications will function as the SPOC and will spend 20% of the time supporting SLIGP 2.0 related activities for 2 years. The SPOC's annual salary is \$98,812. \$98,812 X 20% = \$19,762. | 2 Years | \$ 19,762 | \$ 39,525 | | \$ 39,525 |
| Deputy Director of Wireless Communications functions as the Statewide Interoperability Coordinator (SWIC) and will be responsible for establishing interoperability practices within the state regarding LMR to LTE integration, identifying and implementing broadband related modifications to the Statewide Communications Interoperability Plan (SCIP), formulation and approval of statewide standards. The SWIC will spend 20% of the time supporting SLIGP 2.0 activities for 2 years. The annual salary is \$62,900. \$62,900 X 20% = \$12,580. | 2 Years | \$ 12,580 | \$ 25,160 | | \$ 25,160 |
| Project Coordinator will coordinate all other project activities including grant reporting, Coordinating FirstNet requested events, and managing stakeholder communications. The Project Coordinator will spend 20% of the time for 2 years supporting the SLIGP 2.0 activities. The annual salary is \$37,088. \$37,088 X 20% = \$7,417. | 2 Years | \$ 7,417 | \$ 14,835 | | \$ 14,835 |
| Total Personnel | | | \$ 79,520 | \$0 | \$79,520 |
| b. Fringe Benefits | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| The Director of Wireless Communications/SPOC fringe benefits are calculated at 33.7% of the Personnel Cost from Section a. | \$ 39,525 | 33.7% | \$13,320 | | \$13,320 |
| Deputy Director of Wireless Communications/SPOC fringe benefits are calculated at 55.7% of the Personnel Cost from Section a. | \$ 25,160 | 55.7% | \$14,014 | | \$14,014 |
| Deputy Director of Wireless Communications/SPOC fringe benefits are calculated at 45.6% of the Personnel Cost from Section a. | \$ 14,835 | 45.6% | \$6,766 | | \$6,766 |
| Total Fringe Benefits | | | \$34,100 | \$0 | \$34,100 |
| c. Travel | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| Instate travel for four state personnel to attend 6 regional meetings and 1 state conference each year for 2 years for a total of 56 trips. Average cost per trip of \$180 | 56 | \$180.00 | \$10,080 | \$10,080 | |
| Out of State travel for 5 state personnel for 5 conferences each year for 2 years for a total of 50 trips. Average cost per trip is \$1,378.40 in travel costs plus \$500 conference registration fee for a total of \$1,878.40 per conference. | 50 | \$1,878.40 | \$93,920 | \$93,920 | |

| REVISED | | | | | | |
|------------------------------|--|------------------|-------------------|--------------------|--------------------|------------------|
| Category | Detailed Description of Budget (for full grant period) | | | Breakdown of Costs | | Variance |
| | Quantity | Unit Cost | Total Cost | Federal | Non-Federal | |
| a. Personnel | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Total Personnel | | | \$0 | \$0 | \$0 | -\$14,835 |
| b. Fringe Benefits | Quantity | Unit Cost | Total Cost | Federal | Non-Federal | -\$79,520 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Total Fringe Benefits | | | \$0 | \$0 | \$0 | |
| c. Travel | Quantity | Unit Cost | Total Cost | Federal | Non-Federal | |
| | | | | | | |
| | | | | | | |

| Total Travel | | | \$104,000 | \$104,000 | \$0 |
|--|-----------------|------------------|-------------------|------------------|--------------------|
| d. Equipment | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| N/A | 0 | \$0 | \$0 | \$0 | |
| Total Equipment | | | \$0 | \$0 | \$0 |
| e. Supplies | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| N/A | | | | | |
| Total Supplies | | | \$0 | \$0 | \$0 |
| f. Contractual | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| Public Safety Communications Consulting Firm to assist the State and its RAN Partner in establishing or enhancing existing capabilities related to governance, voice and data interoperability, ICAM, local control, QPP, cybersecurity, and other relevant aspects of wireless broadband communications. Public Safety Communications Consulting Firm will also be responsible for costs associated with the Regional and Statewide Conferences. Services will be provided at a fully loaded average hourly rate of \$200 for a total of 2,980 hours. | 2,980.00 | \$200.00 | \$596,000 | \$596,000 | |
| Total Contractual | | | \$596,000 | \$596,000 | \$0 |
| g. Construction | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| N/A | | | \$0 | | |
| Total Construction | | | \$0 | \$0 | \$0 |
| h. Other | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| Meeting Attendance Time Stakeholder time for 20 attendees at 6 Regional events/year for 3 hrs/event (20 x 6 x 3 x 2 = 720) plus stakeholder time for 125 attendees at 2 Statewide conferences for 6 hrs/event (125 x 2 x 6 = 1,500) for a total of 2,220 hrs (Rounded up from 2,219.89 hrs). The average value of the stakeholders' time is \$27.65/hour. | 2,220 | \$27.65 | \$61,380 | | \$61,380 |
| Total Other | | | \$61,380 | | \$61,380 |
| Total Direct Charges | | | \$875,000 | \$700,000 | \$175,000 |
| i. Indirect Costs | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| N/A | | | | | |
| Total Indirect | | | \$0 | \$0 | \$0 |
| TOTALS | | | \$875,000 | \$700,000 | \$175,000 |

| Total Travel | | | \$0 | \$0 | \$0 |
|-----------------------------|-----------------|------------------|-------------------|----------------|--------------------|
| d. Equipment | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| | | | | | |
| Total Equipment | | | \$0 | \$0 | \$0 |
| e. Supplies | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| | | | | | |
| Total Supplies | | | \$0 | \$0 | \$0 |
| f. Contractual | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| | | | | | |
| Total Contractual | | | \$ - | \$0 | \$0 |
| g. Construction | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| N/A | | | \$0 | | |
| Total Construction | | | \$0 | \$0 | \$0 |
| h. Other | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| | | | | | |
| Total Other | | | \$0 | \$0 | \$ - |
| Total Direct Charges | | | \$0 | \$0 | \$0 |
| i. Indirect Costs | Quantity | Unit Cost | Total Cost | Federal | Non-Federal |
| | | | \$0 | | |
| Total Indirect | | | \$0 | \$0 | \$0 |
| TOTALS | | | \$0 | \$0 | \$0 |

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.

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.

| | |
|--|--|
| SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL <input type="text" value="Completed on submission to Grants.gov"/> | TITLE <input type="text" value="Grants Analyst III"/> |
| APPLICANT ORGANIZATION <input type="text" value="Tennessee Dept. of Safety and Homeland Security"/> | DATE SUBMITTED <input type="text" value="12/18/2017"/> |

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.

*** NAME OF APPLICANT**

State of Tennessee, Department of Safety & Homeland Security

*** AWARD NUMBER**

2018-NTIA-SLIGP-2

*** PROJECT NAME**

State and Local Implementation Grant Program 2.0

Prefix:

Mrs.

*** First Name:**

Natasha

Middle Name:

Lynn

*** Last Name:**

Spicer

Suffix:

* Title: Grants Analyst III

*** SIGNATURE:**

Natasha L. Spicer

*** DATE:**

11/20/2017



BILL HASLAM
GOVERNOR
STATE OF TENNESSEE

December 20, 2017

National Telecommunications and Information Administration
Herbert C. Hoover Building
U.S. Department of Commerce
1401 Constitution Avenue, N.W.
Washington, D.C. 20230

Dear Assistant Secretary David Redl,

The Tennessee Department of Safety and Homeland Security was designated as the lead agency for the State and Local Implementation Grant Program (SLIGP) in Tennessee and I thus authorize the designation the Commissioner of the Tennessee Department of Safety and Homeland Security to retain this role with the management of SLIGP 2.0. The Commissioner has designated Arnold Hooper, Director of Wireless Communications as the permanent Single Point of Contact with FirstNet and the National Telecommunications and Information Administration (NTIA); he will manage the SLIGP 2.0 application, awarded funds, and staffing related to the grant. From this point forward, all correspondence and communication on all matters pertaining to the nationwide public safety broadband network and related grants should go through him. His contact information is as follows:

Arnold Hooper
Tennessee Department of Safety and Homeland Security
225 Ezell Pike
Nashville, TN 37217
Arnold.Hooper@tn.gov
615-365-1633

Please see that this contact information is updated in your records and disseminate it to any other authorities necessary.

Sincerely,

Bill Haslam
Governor