

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission:		* 2. Type of Application:		* If Revision, select appropriate letter(s):	
<input type="checkbox"/> Preapplication		<input type="checkbox"/> New		<input type="text"/>	
<input checked="" type="checkbox"/> Application		<input type="checkbox"/> Continuation		* Other (Specify)	
<input type="checkbox"/> Changed/Corrected Application		<input checked="" type="checkbox"/> Revision		<input type="text"/>	
* 3. Date Received:		4. Applicant Identifier:			
<input type="text"/>		<input type="text"/>			
5a. Federal Entity Identifier:			* 5b. Federal Award Identifier:		
<input type="text"/>			<input type="text"/>		
State Use Only:					
6. Date Received by State:		7. State Application Identifier:			
<input type="text"/>		<input type="text"/>			
8. APPLICANT INFORMATION:					
* a. Legal Name: Nevada Division of Emergency Management					
* b. Employer/Taxpayer Identification Number (EIN/TIN):			* c. Organizational DUNS:		
88-600022			607025848		
d. Address:					
* Street1:	Emergency Mgmt & Homeland Security				
Street2:	2478 Fairview Dr.				
* City:	Carson City				
County:	Carson				
* State:	Nevada				
Province:	<input type="text"/>				
* Country:	<input type="text"/>				
* Zip / Postal Code:	89701				
e. Organizational Unit:					
Department Name:			Division Name:		
Public Safety			Emergency Management & Homeland Security		
f. Name and contact information of person to be contacted on matters involving this application:					
Prefix:	<input type="text"/>	* First Name:	Richard		
Middle Name:	<input type="text"/>				
* Last Name:	Martin				
Suffix:	<input type="text"/>				
Title:	Grants Program Manager				
Organizational Affiliation:					
Nevada Division of Emergency Management					
* Telephone Number:	775-687-0306	Fax Number:	775-687-0323		
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9. Type of Applicant 1: Select Applicant Type:

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 Administration, US Department of Commerce

11. Catalog of Federal Domestic Assistance Number:

11.549

CFDA Title:

State and Local Implementation Grant Program (SLIGP)

*** 12. Funding Opportunity Number:**

2013-NTIA-SLIGP-01

* Title:

13. Competition Identification Number:

2013-NTIA-SLIGP-01

Title:

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

State of Nevada, counties, cities, town, tribal nations within the State of Nevada.

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

State of Nevada, State and Local Implementation Grant Program

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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16. Congressional Districts Of:

* a. Applicant NV-002

* b. Program/Project NV-all

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

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date: 09/01/2013

* b. End Date: 09/01/2016

18. Estimated Funding (\$):

* a. Federal	1,972,666
* b. Applicant	
* c. State	498,528
* d. Local	
* e. Other	
* f. Program Income	
* g. TOTAL	2,471,194

* 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.)

Yes No

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: Christopher

Middle Name: B

* Last Name: Smith

Suffix:

* Title: Chief

* Telephone Number: 775-687-0300 Fax Number: 775-687-0322

* Email: cbsmith@dps.state.nv.us

* Signature of Authorized Representative:  * Date Signed: 07/11/2013

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*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

Not Applicable



State of Nevada
Application for State and Local
Implementation Grant Program
(SLIGP)
May 20, 2013

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Executive Summary

The State of Nevada is pleased to submit this application response to the National Telecommunications and Information Administration (NTIA) for the State and Local Implementation Grant Program (SLIGP), which is designed to fund initial planning and assessment activities for the nationwide interoperable Public Safety Broadband Network (PSBN) in coordination with the First Responder Network Authority (FirstNet). This application response specifically addresses the 15 questions posed by NTIA for this initiative.

The State of Nevada supports FirstNet and the PSBN initiative. Consistent with the requirements of the Middle Class Tax Relief and Jobs Creation Act of 2012 (the “Act”), the State of Nevada Network Authority (SONNet) was established as the focal point for the state’s efforts, in cooperation with FirstNet, NTIA, and the Federal Communications Commission (FCC), to create the nationwide interoperable PSBN. The Nevada Division of Emergency Management – Homeland Security (NDEM) has been designated as the State Administrative Agent (“SAA”) with respect to federal grant funds associated with the State and Local Implementation Grant Program (“SLIGP”) and will coordinate with SONNet the use and application of grant funds.

Supporting the LTE leadership role assigned to SONNet is Nevada Communications Steering Committee (NCSC), Nevada Broadband Task Force, Connect Nevada – which serves as Nevada’s State Broadband Initiative (SBI) designated entity, and the Nevada Statewide Interoperability Coordinator (SWIC).

The nationwide PSBN initiative presents significant challenges to the states over a wide range of issues, including fiscal (capital, operational, and sustainability cost/benefit considerations), procedural (public/private partnerships, cross-government entity cooperation, involvement of public utilities), technical (ensuring integrated and seamless operational access for end users across diverse platforms), and informational (determining how best to meet the needs of public safety personnel and how to educate them about the capabilities of the PSBN) concerns. These challenges reach far beyond the typical public safety and telecommunications issues, and will require coordination among federal, regional, state, and local governmental interests, as well as tribal authorities and public utilities, including private sector commercial communications interests and Federal agencies.

Together NDEM, SONNet, NCSC, and the Nevada Broadband Task Force continue to refine the goals and priorities for governance, standard operating procedures, technology, training, information sharing and outreach for Nevada’s PSBN efforts. While the PSBN’s first focus is serving the needs of public safety, other state officials, agencies, and non-public safety groups (the State Chief Information Officer, policy leaders, education and social services programs, critical infrastructure such as utilities, and the Nevada National Guard) will play an active role in the planning process given the value of the PSBN as a broader technology platform serving the state.

In addition, the State of Nevada strongly supports regional coordination efforts across Western states to address interoperability issues that extend beyond state lines. Consistent with its approach to previous NTIA filings, Nevada recognizes the importance of collaborating with neighboring states early in the PSBN planning process to develop a regional strategy that will integrate into the requirements set forth by FirstNet. Nevada worked closely with the states of Idaho, Montana, Oregon, South Dakota, Utah, and Wyoming in coordinating a “Joint” collaborative filing in response to the NTIA’s Notice of Inquiry, Filed October 31, 2012 (“NOI”). The NOI addressed public comment on (1) the conceptual network architecture presentation made at the FirstNet Board of Directors (“Board”) meeting held on September 25, 2012, (2) the potential framework for developing applications for public safety use discussed at that meeting, and (3) other network design and business plan considerations. This regional group of western states continues to confer on plans for communications with FirstNet. Western states have long supported each other in addressing public safety demands in the region and continue this valued and strategic relationship as the nationwide PSBN is deployed.

The success of any large, complex technology system rests on people, leadership from the top system owners and well-trained users. System designers must understand the users’ needs while users understand the capabilities of the system, its purpose, and its operation. Nevada plans to use data collection tools, assessment tools, meetings, conferences and training to work with users across the state and region as part of the education and outreach program to keep leaders, stakeholders informed and users knowledgeable.

Nevada is a leader in interoperable communications policy and technology, with two decades of experience. The state’s first Statewide Communications Interoperability Plan (SCIP), released in 2005, identified a “Core Systems Strategy” as the foundation for interoperability. Leveraging the assets of the state’s primary radio networks, Nevada created a “system of systems” network that is the largest interconnected land mobile radio system in the state whose evolution continues to connect rural communities. This system and the experience gained in managing it, will prove invaluable in light of the increasing importance of data transmission and the development of broadband radio technology

Nevada has engaged a diverse group of interested parties to develop a truly comprehensive approach to addressing this vital public safety objective. Nevada has created the conditions necessary for the efficient and expeditious roll-out of its portion of the nationwide interoperable PSBN envisioned when Congress created FirstNet. Among other tasks, Nevada will need to (1) arrange and engage in a series of planning meetings with state agencies, local and tribal stakeholders, and regional partners; (2) modify and enhance its existing State Communications Interoperability Plan (SCIP) and associated governance structures and create a western regional interoperability broadband plan. (3) Conduct implement communications, education, and outreach activities with state, local, tribal, and regional stakeholders; (4) develop standardized agreements to facilitate access to and use of existing infrastructure including the identification of statutory authorizations necessary to implement the Act and work across state boundaries and support the development of complex public private partnerships; and (5) identify and hire qualified staff and

consultants required for these activities. In addition to planning, Nevada will need to conduct an inventory of assets available throughout the state to support PSBN deployment, once FirstNet has determined the data necessary for that effort.

Nevada is committed to the success of developing a nationwide PSBN and submits this application to begin a comprehensive planning and assessment effort, working towards the goal of establishing the system urgently needed by the first responders in all states across the country.

Supplemental Narrative Requirements

Question 1. Existing Governance Body

Question

- a. Describe the organizational structure and membership of the existing Statewide Interoperability Governing Body (SIGB), or its equivalent, that is responsible for public safety communications in the State.

The Nevada Legislature created the Nevada Commission on Homeland Security (NCHS) under Nevada Revised Statutes Chapter 239c and charged it with, among other duties, developing a statewide communications interoperability plan (SCIP). The NCHS recommended and the Governor created by Executive Order a technical subcommittee to support the development of the SCIP. The Executive Order established the Nevada Communications Steering Committee (“NCSC”) as a technical advisory committee. Members are appointed by the Governor. The NCSC develop recommendations for policy and guidelines identifying technology and standards, and coordinate intergovernmental resources to facilitate statewide wireless radio communications interoperability with emphasis on public safety. The Nevada Communications Steering Committee is governed by a charter and by-laws and provides information regularly to the NCHS on activities and initiatives.

Question

- b. Describe the SIGB’s authority to make decisions regarding public safety communications and how these decisions are implemented.

The NCSC makes recommendations regarding public safety communications after consultation with members, external experts, stakeholders, and interested parties. These recommendations are forwarded to the NCHS for review, approval and transmission to the Governor.

Question

- c. Describe how the State will leverage its existing SIGB, or its equivalent, to coordinate the implementation of the Public Safety Broadband Network (PSBN) in the State.

Nevada will coordinate efforts through the state’s Commission on Homeland Security, Chaired by the Governor, to manage responses to FirstNet and other public safety LTE activities for the state. The NCHS formalized a subcommittee called the State of Nevada Network (“SONNet”) to oversee the States implementation of the PSBN and coordination with FirstNet. The SONNet subcommittee is chaired by the Vice chair of the NCHS. SONNet began holding regular meetings in August 2012,

and provides all stakeholders and the public an opportunity to share information and ideas on how best to support the implementation of the Act. The NCSC will support SONNet as a technical advisory committee through the SWIC, who supports each body.

The subcommittee designated a Project Manager to coordinate the State's efforts. SONNet will develop recommendations for policy and guidance, identify technology and standards, and coordinate intergovernmental resources to facilitate statewide and regional broadband and wireless communications interoperability with emphasis on public safety. The work of the subcommittee will be supported by the Nevada Communications Steering Committee, the Governor's Broadband Task Force and the SWIC. The line of authority begins with the Governor, who is also the Chair of the NCHS. The SONNet is a committee of the NCHS tasked with overseeing Nevada's PSBN related initiatives. The NCSC is appointed by the Governor as an advisory committee regarding wireless voice communications systems (radio). The Governor's Broadband Task Force provides technical and other related advisory support regarding wireless data systems. The Chief of the Division of Emergency Management serves as the Governor's Homeland Security Advisor and State Administrative Authority (SAA) for certain Federal grants. The Division of Emergency Management employs the SWIC and provides administrative support to all NCHS, SONNet, and NCSC functions. Collectively, advisory information, recommendation, and technical expertise from each of the supporting committees, the SWIC, and the SAA are directed to SONNet, who in turn, provides recommendations through the NCHS to the Governor.

Question

d. How does the State plan to expand its existing SIGB to include representatives with an understanding of wireless broadband and Long Term Evolution (LTE) technology in order to facilitate its consultations with FirstNet?

SONNet is seeking outside technical expertise to expand its knowledge base in wireless broadband and LTE technology. SONNet will also leverage the experience gained through its partnership with the Broadband Task Force. When the Broadband Technology Opportunities Program BTOP grants were first released, the Governor established a Broadband Task Force to collect and map all existing infrastructure in the State under NTIA's State Broadband Initiative (SBI) grant program. The Broadband Task Force partnered with Connected Nation, the states designated entity to support its broadband initiatives that includes providing further support of Nevada's obligations under the Act.

Question

e. Does the State currently dedicate sufficient financial resources to adequately support the SIGB? Does the State intend to invest funds received from SLIGP to financially support the SIGB? If so, provide the amount the State expects to request and describe the SIGB functions that these funds will support.

SONNet and NCSC are supported by the Nevada Division of Emergency Management which provides support staff, schedules and coordinates meetings and shares facilities.

The state intends to use grant resources to assist the SONNet, NCSC, and other groups supporting this effort. As necessary, SONNet through the NDEM will determine the application of grant resources to secure the support of consultants as needed and other professionals, as required.

Question 2. Statewide Communications Interoperability Plan (SCIP)

Question

- a. Are there existing strategic goals and initiatives in your SCIP focused on public safety wireless broadband? If so, what are they?

Nevada's State Communication Interoperability Plan (SCIP) was recently updated with the help of the DHS Office of Emergency Communications (OEC). This update addresses the necessity of a technology roadmap for development, access, maintenance, and/or upgrades to mission critical voice, video and data services. Much of the available infrastructure for the PSBN will come from the core systems identified in the SCIP. As the primary vision document for interoperability in Nevada, the SCIP will guide the efforts of SONNet and its stakeholders.

Since the goal of the PSBN is to develop nationwide broadband interoperability, Nevada recognizes this will require states to work together to coordinate their SCIPs so that resources operating between states are truly interoperable.

Nevada's request to the FCC seeking a waiver of its rules to commence implementation strategies, relative to the Tahoe Regional Interoperability Project (TRIP) Long Term Evolution (LTE) program, embodied the timeline goal and initiatives to establish a LTE wireless broadband network. The passage of the Act has focused those efforts with implementation and compliance strategies relative to FirstNet goals. Many of the organizations and systems addressed in the TRIP, LTE program are active participants in SONNet and in the PSBN program. Specifically, Las Vegas Metropolitan Police Department, Nevada Shared Radio System, Washoe County Regional Communication System and the Southern Nevada Area Commutations Council have had a leadership role in developing interoperability solutions. These organizations are critical members of SONNet and will bring this interagency experience to the deployment of the PSBN. Additionally, much of the available infrastructure for a PSBN deployment that will come from the core systems identified for Broadband in the SCIP are:

- Section 3. Ensure coordination between the NCSC, SONNet, Nevada Broadband Task Force, and others on interoperability issues

- Section 3A Governance of wireless and data technologies with specific reference to Nationwide Public Safety Broadband Network (NPSBN) and Title VI of the Middle Class Tax Relief and Job Creation Act of 2012.
- Section 3B addresses information security in voice and data networks as information sharing and connectivity among public safety agencies increases as the NPSBN evolves.
- Section 3C describes the Nevada Core Radio System (NCORE) and the Nevada Dispatch Interconnect project (NDIP) both of which utilize Internet Protocol backbone networks and switching technologies, which can be integrated with the NPSBN. This section also references the capability of the Nevada National Guard to provide communications services during an emergency. Additionally 3C references the need for secure information-sharing initiatives for Public Safety Answering Points (PSAPs) and Next Generation 911 integration utilizing broadband technologies.
- Section 7. Calls for Identifying interoperable communications resources throughout the State
- Section 8. Calls for the development of a technology roadmap for development, access, maintenance, and/or upgrades to operable and interoperable mission critical voice, video, and data services consistent with Nevada Revised Statutes requirement

Question

- b. Describe how the State has engaged local governments and tribal nations, if applicable, in public safety broadband planning activities that have been completed to date.
-

The Nevada Commission on Homeland Security (NCHS) and its subcommittees including the SONNet Committee and the Governor’s Broadband Task Force consists of representatives from public safety, local governments, health care, general public, broadcasters, and the military and tribal nations. The requirements of the Act have been shared with these stakeholder committees and their members. Additionally, Nevada issued a solicitation for support in conducting stakeholder outreach to engage such entities. SONNet and the Broadband Task Force have a comprehensive and complementary stakeholder outreach program. The program includes a demonstrated framework for collecting stakeholder inputs on the features and functionality of communications systems. This framework includes both quantitative and qualitative data collection tools, data analysis packages, draft question sets, and data repository frameworks including broadband adoption and education programs.

The SWIC has encouraged participation from all agencies by promoting responses to the OEC Mobile Data survey Tool.

Question

- c. Does the State intend to use SLIGP funding to support efforts to update the SCIP by adding public safety wireless broadband strategic goals and initiatives? If so, provide the amount the State expects to request and describe the activities that these funds will support.
-

Nevada will apply SLIGP funds to support further SCIP updates and believes that the PSBN deployment promotes the core objectives of the SCIP and will represent a new critical system within the state. Nevada plans to include a western regional interoperability broadband plan in conjunction with its current SCIP both of which will have complementary missions and integrated strategies which will ultimately merge as both Land Mobile Radio and Long Term Evolution plans are deployed. Incorporating the PSBN into core interoperability planning activities and integrating it with the existing core systems is essential in order to maintain the accuracy and relevance of the SCIP. Nevada plans to develop a broadband annex to the SCIP to encompass this developing technology.

Question 3. State-Level Involvement

Question

- a. What is the status of the Statewide Interoperability Coordinator (SWIC) for your State? Does this person work full-time in the SWIC capacity? How will this person be involved with SLIGP?

The SWIC, a full time position, will support the work of the SONNet Project Manager and provide technical and policy assistance as the SONNet Project Manager coordinates and develops a western regional LTE interoperability plan proposal. The SWIC will monitor the progress of the SLIGP efforts and promote cooperation between stakeholders, particularly in respect to the development of systems requirements, standard procedures, and governance structures.

The Nevada Division of Emergency Management will remain the single point of contact for FirstNet for the duration of the LTE program.

Question

- b. How will the State's Chief Information Officer/Chief Technology Officer be involved with SLIGP and with activities related to the implementation of the nationwide public safety broadband network?

Nevada's Chief Information Officer (CIO) holds a cabinet-level position, is appointed by the Governor, and manages the Nevada Division of Enterprise IT Services (EITS). He controls the state's wide area network (WAN) including 114 microwave sites that are used primarily to support public safety operations and represent the only viable first responder communications links in many rural areas of the state.

Both the state Chief Information Security Officer (CISO) and the state Cyber Counselor report to the CIO. The CISO has been appointed by the Governor to serve on the Nevada Commission on Homeland Security (NCHS), the parent agency of SONNet; he has been instrumental in obtaining and implementing multiple grants involving cyber security that have general applicability to state, county and municipal governments. Both the CISO and the Cyber Counselor are active participants in the northern Nevada chapter of InfraGard.

All three individuals have been, and continue to be, involved with planning in support of Nevada's participation in the Nationwide Public Safety Broadband Network.

The CIO and Cyber Counselor initiated a cooperative effort among western state CIOs that continues as the CIO counterpart to the regional (western states) effort among senior law enforcement officials regarding PSBN planning and implementation. Both attended the organizational meeting of FirstNet via webcast. Both continue to be active participants in discussions and liaison activities regarding the FirstNet mission and implementation through the National Association of State Chief Information Officers (NASCIO). The Cyber Counselor often participates in meetings of the Governor’s Broadband Task Force (with Connect Nevada) and is in regular communication with senior policy staff at Connected Nation. The CISO, in addition to being active in NCHS activities, is in continual contact with DEM/SAA regarding cyber security preparedness in the state, and is an active participant in the MS-ISAC. (Nevada participates in the MS-ISAC network monitoring program as part of its active cyber defense.)

The Governor has announced the consolidation of the IT personnel and functions of the Department of Public Safety into EITS effective on July 1, 2013 contingent only on (likely) legislative approval. This merger represents the continuing mission integration among IT and law enforcement in Nevada. Of particular relevance to FirstNet is that all managed devices composing the state WAN, known internally as SilverNet, are configured using the NSA (National Security Agency) Router Security Configuration Guide as starting templates, and all services and support systems meet or exceed standards established by the Internal Revenue Service and the Social Security Administration. EITS is prepared to implement the security standards required of states to interface with the Criminal Justice Information Services (CJIS) Division.

In short, the CIO and EITS senior staff are active and informed participants in PSBN planning, and, more generally, are committed to long-term IT support of Nevada first responders.

Question

c. What other State-level organizations or agencies will be involved with SLIGP?

While execution of PSBN and FirstNet activities has been made the responsibility of SONNet, a number of other state officials, organizations and agencies will play an active role in planning efforts. This includes:

- Nevada State Chief Information Officer / Chief Technology Officer
- Nevada Division of Enterprise IT Services (EITS)
- Nevada Department of Public Safety (DPS)
- Nevada Communications Steering Committee (NCSC)
- Nevada Broadband Task Force (broad membership of Gubernatorial appointments covering education, public safety, health care, local government, tribal, urban and rural areas, wireless communication companies and cable companies)
- Connected Nevada
- Nevada System of Higher Education (NSHE)

- Nevada Treasurer
- Nevada Attorney General
- Nevada National Guard
- Nevada Department of Transportation (NDOT)
- Nevada Department of Forestry (NDF)
- Nevada Department of Corrections
- Inter-Tribal Council of Nevada (ITCN)

Question

d. What are the specific staffing resources the State requires to effectively implement the consultation process with the First Responder Network Authority (FirstNet) and perform the requirements of SLIGP? If the application requests funding for additional staffing, provide the amount the State expects to request and describe the positions these funds will support.

The primary initial resources to support the SLIGP have already been identified. Nevada has created the SONNet Committee. A project manager and Deputy Attorney General are supported by the Division of Emergency Management, the Office of CIO, the NCSC, the state SWIC and the Governors Broadband Task Force will also be involved. The NDEM will require a grants manager to provide administrative support and monitoring of the SLIGP. Additional organizations and assignment of responsibilities in support of the SLIGP will be addressed as requirements evolve.

Question

e. How is the State engaging private industry and secondary users (e.g., utilities)?

Nevada recognizes the importance of involving private industry and secondary users, such as critical infrastructure and public utilities, in the PSBN. Nevada's Electrical Utility, NV Energy is a charter member of SONNet and is active in the Committee's activities. The State will include private sector partners as appropriate, and is exploring opportunities for public-private partnerships. Nevada will continue to engage with industry and secondary users, but recognizes that these efforts will not be completed until after formal planning and coordination efforts are undertaken.

SONNet is partnering with the Nevada Governor's Broadband Task Force body, representing wireless carriers, the cable industry, tribal interests, local government, department of health and human services, education, rural communities, transportation, community anchor institutions and others. The Governor has directed the Broadband Task Force to support the efforts of the SONNet committee together with the task forces state designated entity.

Engagement with Community Anchor Institutions(CAI) will be particularly important, especially in rural and remote areas, where these partnerships have the potential to significantly impact the economics of PSBN build-out and sustainability. Connect Nevada's CAI database, assembled

under NTIA’s State Broadband Initiative (SBI) grant program, will serve as a starting point for engagement, since it includes physical location information, as well as type and speed of existing broadband connectivity. CAIs will be key partners for each local PSBN advisory teams (described below), since they represent potential secondary users. Many have already been engaged by Connect Nevada’s local broadband planning process.

The SONNet Committee will support FirstNet to engage directly with potential targets for partnership throughout Nevada. Ultimately, this outreach effort will aim to define asset management sharing partnerships and allow for the execution of MOAs as described later in this proposal.

A provider outreach effort will also need to take place as part of the overall state and local outreach process funded by SLIGP. The SONNet Committee and Connect Nevada will identify potential provider partners and invite them to partake in planned meetings where a key goal will be the advancement of outreach and negotiations with potential secondary users.

Question 4. Coordination with Local Government Jurisdictions

Question

- a. Describe the local government jurisdictional structure (e.g., municipalities, cities, counties, townships, parishes) located within the boundaries of the State, Commonwealth, Territory, or District applying for a grant. How many of these local jurisdictions exist within the State’s boundaries?

The primary local government jurisdictional structure in the State of Nevada is the county. Nevada is home to 19 incorporated cities and towns in 17 counties. There are 27 recognized tribes within the State, some of which extend outside the boundaries of an individual county or the state. The SONNet committee has included constituent government entities by reaching out to Nevada Association of Counties and Nevada League of Cities to enlist their support cooperation and understanding of the PSBN.

Question

- b. Describe how your State will involve these local jurisdictions to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning and governance for SLIGP.

SONNet will engage in a comprehensive outreach and education program to ensure that local jurisdictions are informed of the requirements and benefits associated with the PSBN. Nevada will coordinate outreach and education with other states in the region consistent with advancing a regional approach to implementing public safety wireless broadband capabilities, management and governance.

The SONNet Committee is based on a public-private partnership model where this group serves as the framework for SLIGP planning efforts by including a broad spectrum of public safety stakeholders, including local government leaders, public safety officials, private sector partners, and

other key decision makers from across the state. This group meets at least quarterly, and will establish strategic outreach and education priorities and direction through relationships with allied boards and organizations throughout the state.

SONNet may consider programs where each of Nevada’s 17 counties may have its own local PSBN advisory team composed of local leaders who can prioritize their own needs and serve as an interface point for the Nevada SONNet Committee. Each local team will meet at least quarterly, and Connect Nevada’s field staff of community technology advisors will attend and document each meeting and coordinate interactions with the state SONNet Committee. This process will ultimately enable local feedback to be heard and accounted for as part of a unified vision for the PSBN in Nevada.

The SONNet Committee will facilitate training sessions and workshops for each advisory team as needed, and will launch a SONNet informational web site to share information.

At the state level, SONNet provides periodic updates to the Governors Broadband Task Force, the NCSC and other strategic PSBN implementation partners of SONNet. Most important among the SONNet partners is the Governor’s Broadband Task Force. As discussed herein, its membership is comprehensive in design and provides SONNet with access to most every stakeholder group in the state.

SONNet will leverage selected in-state conferences and use teleconferencing to engage directly with local officials to gain an understanding of requirements and priorities.

Question

c. Describe past methods the State has used to successfully coordinate state-wide projects or activities with local government jurisdictions.

The state has significant past experience in working regionally with other states, deploying statewide programs and strategies and identifying essential partners and critical public safety communication initiatives.

The NCSC is leading a project to integrate the state’s core radios systems. The Nevada Core Systems project (NCORE) is working to the development of 16 interoperable talk groups for users of the Las Vegas Metropolitan Police department radio system, the Southern Nevada Area Communications Council (SNACC) system, the Nevada Shared Radio system (NSRS) and the Washoe County Regional Communications System (WCRCS). Many local jurisdictions are users of one of these radio systems.

The State of Nevada is also working to develop a system of crossband repeaters throughout the state, enabling users in many locations to communicate between VHF and 800 MHz radio systems.

This will provide common channel capability between local responders from different agencies, as well as for mutual aid responders from across the state.

In the State of Nevada the Tahoe Regional Interoperability Project (TRIP) has focused on linking the Public Safety Answering Points (PSAP) together in all 17 Nevada Counties. This project has been identified as the Nevada Dispatch Interconnect Project (NDIP) and has been implemented in 2 phases. The first phase focused on counties in the northern part of the state that had infrastructure connection points and equipment has been installed in 7 counties. Engineering was completed for the center and southern counties and equipment is in the process of being installed with a completion date of December, 2013. County and local jurisdictions have worked closely with the state for a timely completion of the project.

Lastly, among the many examples of collaboration around technology and broadband in Nevada, Connect Nevada has established local broadband planning in 16 counties across the state. In partnership with Nevada’s Broadband Task Force, and funded by NTIA’s State Broadband Initiative (SBI) grant, Connect Nevada has built a best practices model for community broadband planning that connects to larger state priorities. SONNet intends to utilize this proven model, with a special focus on the needs of the public safety community as noted above, to engage relevant local stakeholders, including potential secondary users, to expand the reach to all agencies across the state.

Question

d. What have been some of the State’s primary challenges when engaging with local jurisdictions? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?

The primary challenges in engaging local jurisdictions are the limited communications resources and expertise available at the local level. Local officials typically have many responsibilities. Allocating time and attention for an issue like the PSBN is often difficult. Using the development of the SCIP plan, Connect Nevada’s community engagement program and TRIP program as a model, SONNet will ensure that its outreach efforts are focused and convenient.

Question 5. Regional Coordination

Question

a. Does your State have intrastate regional committees that are involved with public safety communications? If so, please describe their organizational structure and membership and how they provide input to the SIGB.

Nevada’s public safety radio communications efforts consist of four primary core groups or systems which comprise Nevada’s radio system of system approach to managing its public safety and local government communications needs. The NCORE governing board whose membership consists of

four core system members has a charter that provides for the addition of new systems to the governance structure as they evolve. The SWIC is a non-voting member of the NCORE governing board and acts as the intermediary to the NCSC. Each of these four core systems is further supported by their own technical working and governance committees to manage their involvement with the statewide system.

The Las Vegas Urban Area maintains a Communications Working Group which is responsible for coordinating efforts within Clark County. The Working Group drafts a five-year plan, regional tactical interoperability plan (TICP), and provides recommendations on SOPs and grant funding in Southern Nevada.

Regional TICPs are maintained by communications stakeholders in the northwest and northeast parts of Nevada, and these plans are designated as an annex to the SCIP.

Question

- b. Describe any interstate regional bodies in which your State participates that are involved with public safety communications in the State.

The Tahoe Regional Interoperability project (“TRIP”) continues as a bi-state effort with Counties in Northern California to establish interoperability across state lines. The TRIP project resulted from the Angora fire in 2007 on the Nevada California border at Lake Tahoe. This fire resulted in the loss of 250 residences and 3100 acres prime watershed. Resources responded from federal, state, county and local agencies in two states and were not able to communicate with one another which resulted in problems with command and control, allowing the fire to grow out of control very quickly when coordination would have limited the spread of the incident. Agencies realized that in order to prevent this type of incident in the future there would need to be better interoperable coordination in the future and the TRIP project was developed. A Joint Powers Authority (JPA) was developed between Washoe, Alpine and Calaveras Counties but was not completed due to economic downturn which limited the ability for local government to continue with the agreement. Communication outreach between states continues through local agencies. Members of TRIP continue to meet with the Northern Planning Area of California (NPAC) in cross-border communication efforts and training.

The Regional Emergency Communications Coordination Working Groups (RECCWG – FEMA region 9), as mandated by Congress in the Department of Homeland Security (DHS) Appropriations Act of 2007, are planning and coordinating bodies responsible for providing a forum to assess and address the survivability, sustainability, operability, and interoperability of emergency communications systems at all government levels. The RECCWGs provide a vision into regional preparedness efforts by serving as a mechanism for state, local and Tribal agencies to help FEMA and other Federal agencies define and integrate emergency communications support during an incident. Our state has several members involved in the FEMA Region X RECCWG. The Division of Emergency Management and the State SWIC participate in the RECCWG.

Question

c. How does the State plan to engage and leverage these existing regional coordination efforts in the nationwide public safety broadband network planning?

Nevada has already made significant progress in collaborating with states regionally. Nevada's regional outreach relative to its TRIP project with Northern California, Idaho and Oregon has defined for Nevada why and how effective relationships across state boundaries have benefited and advance future work with deploying the PSBN. Indeed, Nevada through an outreach effort identified 6 Western states that joined in filing Joint Comments to the NTIA's first NOI, filed on October 21, 2012. The NOI response was the only such joint regional filing in the nation.

Western states have a long history of supporting each other and joining in common efforts relative to managing public safety issues. Nevada continues to support the development of these regional collaborative relationships as necessary for the deployment of a nationwide PSBN. Nevada continues outreach to regional states and has worked with Arizona, California, Idaho, Montana, Nebraska, New Mexico, Oregon, South Dakota, Utah and Wyoming, on creating a West States Alliance group to work through implementation issues. Although the state does not intend to provide any funds to the West States Alliance or WestNet, the state does intend to utilize SLIGP funds to support Nevada's shared interests along it's borders that may coincide with other West State Alliance states.

Additionally, Nevada has been awarded an OEC technical assistance workshop to support development of a governance structure for SONNet. The workshop will be opened to Nevada's regional partners.

Question

d. Please identify, if applicable, any other state, territory, or regional entity with which the State collaborated or coordinated in the development and preparation of this application and describe the nature of that collaboration or coordination.

Nevada is meeting to discuss issues and challenges related to the PSBN deployment. The states involved in this meeting currently include Arizona, California, Idaho, Montana, Nebraska, New Mexico, Oregon, South Dakota, Utah and Wyoming. These states have many of the same issues and have discussed different viewpoints to solutions and are interested in a regional approach to many of the governess and implementation issues.

Question 6. Tribal Nations

Question

Question

a. How many federally recognized tribes are located within the State boundaries? (If the answer is zero, please skip to question #7.) Information on federally recognized tribes may be located at the Department of Interior, Bureau of Indian Affairs website: <http://www.bia.gov/WhoWeAre/BIA/OIS/TribalGovernmentServices/TribalDirectory/index.htm>

There are 27 recognized tribal nations in the State of Nevada. They are:

- Confederated Tribes of the Goshute Reservation
- Duckwater Shoshone Tribe
- Ely Shoshone Tribe
- Fallon Paiute Shoshone Tribe
- Fort McDermitt Paiute Shoshone Tribe of Nevada & Oregon
- Las Vegas Paiute Tribe
- Lovelock Paiute Tribe
- Moapa Band of Paiutes
- Pyramid Lake Paiute Tribe
- Reno-Sparks Indian Colony
- Shoshone Paiute Tribe of the Duck Valley Reservation
- Summit Lake Paiute Tribe
- Te-Moak Tribal Council
 - Battle Mountain Band
 - Elko Band
 - South Fork Band
 - Wells Band
- Timbisha Shoshone Tribe
- Walker River Paiute Tribe
- Washoe Tribe of Nevada & California
 - Carson Colony
 - Dresslerville Community
 - Stewart Community
 - Woodfords Community
- Winnemucca Indian Colony
- Yerington Paiute Tribe
- Yomba Shoshone Tribe

Question

b. Describe how the State will involve the tribal nations to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning/governance for the grant program. Does the State have a process for consulting with the tribes located within State boundaries? If so, please provide a description of that process.

The state finds working with the tribes through the Inter-Tribal Council of Nevada (ITCN) has been an effective and efficient means of communication. ITCN, an incorporated non-profit organization under Nevada state law, promotes Health, Education, Social and Economic programs aimed at improving the well-being of tribal communities throughout the State of Nevada. The ITCN is governed by an Executive Board composed of Tribal Chairman from Each of Nevada's Tribes. Among the programs administered by the ITCN is the Inter-Tribal Emergency Response Commission (ITERC). Because of the potential economic, educational and telemedicine benefits mobile broadband can offer to the residents of underserved rural and tribal lands, the state will also draw on the resources of the Nevada Indian Commission to aid in gaining the representation of the tribal nations in this planning effort.

The State of Nevada through its Intertribal Council has an established process that engages all stakeholders in the review of major programs. These reviews provide items for discussion, planning and decision making. Tribal involvement in such reviews has included representation from the following tribal organizations and nations:

- Inter-Tribal Council of Nevada (ITCN)
- Pyramid Lake Paiute Tribe
- Walker River Paiute Tribe
- Elko Band Council
- Washoe Tribe
- Fallon Paiute Shoshone Tribe
- Duckwater Shoshone Tribe
- Las Vegas Paiute Tribe
- Moapa Band of Paiutes

Question

c. Describe past methods the State has used to successfully coordinate with tribal nations.

Nevada has found that working through the ITCN to be an effective and efficient means of coordinating activities with the tribal nations in the state. Several of Nevada's tribes are active members of the NCORE radio system.

Question

d. Are there tribal representatives who regularly attend your SIGB meetings? If so, please identify the tribes represented.

Nevada Division of Emergency Management and the SONNet project manager continue to meet with Tribal representatives to ensure that they are included in PSBN discussions.

Nevada tribal nations are represented on the Governors Broadband Task Force through the Nevada Indian Commission.

The NCSC meetings are frequently attended by representatives of one or more of the tribal radio users.

The Nevada Commission of Homeland Security has a tribal representative as an appointed member.

SONNet has offered a position to the ITCN, who will make an appointment at a future meeting.

Question

e. What have been some of the State's primary challenges when engaging with tribal nations? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?

In comments filed in response to the NTIA's Nationwide Interoperable Public Safety Broadband NOI of October 31, 2012, Nevada, along with the other joint commenters, noted "Prior to passage of the Act, states did not have this express responsibility with respect to communication services on tribal lands". The states added they "have long respected the independence and the jurisdiction of the Sovereign Nation status of the tribal lands in the states." Nevada has found engaging the tribal nations through the ITCN to be the most effective and efficient means of engagement. While working through the ITCN for engaging with the tribal nations has proven to be more effective than dealing on an individual basis, Nevada still believes it will be challenging to coordinate across the 27 tribal nations without establishing a mechanism for collaboration with one or more intra-tribal team(s) on a state or regional basis.

FirstNet or the NTIA may want to consider using the federal resources of the DHS Office of Emergency Communications (OEC) and the Bureau of Indian Affairs (BIA) to work directly with the tribal nations in concert with the state. OEC has recently worked with Nevada's tribal nations in assessing their communications capabilities and needs and has an established relationship that could be built upon.

While working through the ITCN for engaging with the tribal nations has proven to be more effective than dealing on an individual basis, Nevada still believes it will be challenging to coordinate across the 27 tribal nations in the state.

Question 7. Rural Coverage

Question

Question

a. Please classify your local jurisdictions into rural and non-rural areas and identify the criteria used in making these rural and non-rural determinations.

Nevada is predominately a rural state. There are 17 counties in the State of Nevada. The Census Bureau’s urban-rural classification is fundamentally a delineation of geographical areas, identifying both individual urban areas and the rural areas of the nation. The Census Bureau identifies two types of urban areas: Urbanized Areas (UAs) of 50,000 or more people and Urban Clusters (UCs) of at least 2,500 and less than 50,000 people. “Rural” encompasses all population, housing, and territory not included within an urban area. In response to this question Nevada considers “non-rural areas” to be those identified in Census data as Urban Areas (along with Urban Clusters). Based on the 2010 Census the basic information regarding Nevada is:

- 2010 Census Population: 2,700,551 (35th)
- Land Area: 109,781.2 square miles (7th)
- Density: 24.6 persons per square mile (42nd)
-

County Name	2010 Census - County Population	County Population in Census Defined Urban Areas	County Population in Census Defined Rural Areas	County Area in Square Miles	Urban Area Portion of County in Sq. Mi.	Rural Area Portion of County in Sq. Mi.	County Population Density Per Sq. Mi.
Churchill	24,877	16,241	8,636	4,930.5	14.2	4,916.3	5.0
Clark	1,951,269	1,925,784	25,485	7,891.4	439.4	7,452.0	247.3
Douglas	46,997	32,168	14,829	709.7	20.3	689.4	66.2
Elko	48,818	30,340	18,478	17,169.8	20.7	17,149.1	2.8
Esmeralda	783	0	783	3,581.9	0.0	3,581.9	0.2
Eureka	1,987	0	1,987	4,175.7	0.0	4,175.7	0.5
Humboldt	16,528	10,268	6,260	9,640.8	9.1	9,631.6	1.7
Lander	5,775	3,520	2,255	5,490.1	1.9	5,488.2	1.1
Lincoln	5,345	0	5,345	10,633.2	0.0	10,633.2	0.5
Lyon	51,980	32,780	19,200	2,001.2	17.7	1,983.5	26.0
Mineral	4,772	3,249	1,523	3,752.8	1.2	3,751.6	1.3
Nye	43,946	28,446	15,500	18,181.9	44.1	18,137.8	2.4
Pershing	6,753	0	6,753	6,036.6	0.0	6,036.6	1.1
Storey	4,010	295	3,715	262.9	0.4	262.5	15.3
Washoe	421,407	403,426	17,981	6,302.4	175.3	6,127.0	66.9
White Pine	10,030	4,681	5,349	8,875.6	2.5	8,873.1	1.1
Carson City	55,274	52,599	2,675	144.7	20.4	124.3	382.1

County Name	2010 Census - County Population	County Population in Census Defined Urban Areas	County Population in Census Defined Rural Areas	County Area in Square Miles	Urban Area Portion of County in Sq. Mi.	Rural Area Portion of County in Sq. Mi.	County Population Density Per Sq. Mi.
State Total	2,700,551	2,543,797	156,754	109,781.2	767.4	109,013.8	24.6

Table 2. Breakdown of the 17 Counties of Nevada.

Of the 17 counties, only Carson City, Clark and Washoe may be considered “urban” counties based on concentrated population pockets. However, due to the large size of the Clark and Washoe counties, there remain substantial rural areas in these jurisdictions.

Question

b. Please describe the coverage area and availability of broadband service and LTE technology in the rural areas of the State as defined in response to 7.a.

The State of Nevada presents unique challenges for any communications system. It is one of the most mountainous states in the U.S., with over 13,000 feet of elevation changes between lowest and highest points. Although it is the seventh largest state (covering almost 110,000 square miles), it is one of the least populous (with approximately 2.7 million inhabitants). Approximately 70 percent of the population resides in Clark County, the state’s only major Urban Area, while close to 90 percent of the state’s geography is uninhabited and/or federally controlled. Twenty-seven recognized Indian tribes operate within the state, some of which also extend into adjacent states. Temperatures and conditions range from intense heat and dry conditions in the southern desert during summer, to the bitter cold of the northern winters. Natural hazards include wildfires (particularly in the north), earthquakes, and severe weather. Designing systems covering and connecting these diverse, often isolated, and extreme environments is difficult. At present, no one system provides universal two-way communications coverage statewide.

The State of Nevada’s Broadband Task Force, in collaboration with Connect Nevada, works with each of the state's broadband providers to create maps of broadband coverage and conduct surveys to assess the current state of broadband availability and adoption across the state. The data behind these maps is updated every six months and offers the most current public information regarding the availability of broadband service across the state. The Connect Nevada web site www.connectnv.org provides a map describing basic broadband (3Mbps download / 768 kbps upload) coverage and availability across the state. The unserved area shown represents the vast majority of the state’s territory. What it is apparent from this map is that access to relatively high speed mobile wireless broadband access is very limited across the state and particularly limited outside of densely populated urban Areas. AT&T and Verizon both state on their corporate websites that they are operating LTE networks in Reno and Las Vegas.

Table 3 offers a breakdown of household broadband service availability across Nevada by speed tier, location, and mobile/non-mobile both Statewide and rural areas.

State Broadband Initiative Download/Upload Speed Tiers	STATEWIDE			
	Percent Households Served by Fixed Terrestrial Broadband By Speed Tier	Percent Geographic Area Served by Fixed Terrestrial Broadband by Speed Tier	Percent Households Served by Mobile Broadband By Speed Tier	Percent Geographic Area Served by Mobile Broadband By Speed Tier
At Least 768 Kbps/200 Kbps	99.07	14.89	99.50	55.06
At Least 1.5 Mbps/200 Kbps	98.95	13.53	98.25	38.25
At Least 3 Mbps/768 Kbps	96.95	12.03	93.90	8.68
At Least 6 Mbps/1.5 Mbps	94.11	6.82	93.46	7.87
At Least 10 Mbps/1.5 Mbps	90.29	3.97	93.41	7.85
At Least 25 Mbps/1.5 Mbps	83.90	0.96	0.00	0.00
At Least 50 Mbps/1.5 Mbps	83.73	0.94	0.00	0.00
At Least 100 Mbps/1.5 Mbps	22.31	0.66	0.00	0.00
At Least 1 Gbps/1.5 Mbps	0.00	0.00	0.00	0.00

Table 3a. Estimate of Broadband Service Availability in the State of Nevada by Speed Tier (Statewide)

Source: Connect Nevada

State Broadband Initiative Download/Upload Speed Tiers	ACROSS RURAL NEVADA			
	Percent Households Served by Fixed Terrestrial BroadbandBy Speed Tier	Percent Geographic Area Served by Fixed Terrestrial BroadbandBy Speed Tier	Percent Households Served by Mobile BroadbandBy Speed Tier	Percent Geographic Area Served by Mobile BroadbandBy Speed Tier
At Least 768 Kbps/200 Kbps	94.88	12.80	94.67	49.60
At Least 1.5 Mbps/200 Kbps	93.87	11.49	87.42	30.61
At Least 3 Mbps/768 Kbps	87.31	10.23	63.56	5.49
At Least 6 Mbps/1.5 Mbps	76.92	5.57	60.30	5.03
At Least 10 Mbps/1.5 Mbps	56.21	3.03	60.15	4.98
At Least 25 Mbps/1.5 Mbps	47.22	0.33	0.00	0.00
At Least 50 Mbps/1.5 Mbps	46.40	0.31	0.00	0.00
At Least 100 Mbps/1.5 Mbps	41.61	0.30	0.00	0.00
At Least 1 Gbps/1.5 Mbps	0.00	0.00	0.00	0.00

Table 3b. Estimate of Broadband Service Availability in the State of Nevada by Speed Tier (Across Rural NV)

Source: Connect Nevada

Question

c. Please describe how the State plans to prioritize the grant activities to ensure coverage in, and participation by, rural areas. Please include specific plans, milestones, and metrics to demonstrate how you will achieve these requirements.

There have been considerable efforts invested in enhancing interoperable communications across the state. Relationships have developed between groups and individuals in pursuit of this goal. Nevada, through the outreach efforts funded by this grant, intends to target network coverage requirements as one of the first objectives. SONNet will draw on established groups at the federal, state and local levels to tap into the users of their networks to identify the coverage they enjoy today and, more importantly, identify the critical coverage gaps that need to be addressed in any statewide data network.

To provide coverage in rural areas across the state, the process will involve a series of stages that will be conducted in parallel to local outreach efforts and process for the identification of secondary users. SONNet will work closely with Connect Nevada to undertake this process. The key milestones of this process will include:

- **Plan Preparation**

Once FirstNet releases the necessary data elements, SONNet will adhere to FirstNet guidance to begin preliminary preparation of a plan, that leverages information gained through existing databases maintained by the Broadband Task Force, in assisting the identification of additional objectives. This includes identify Public Safety agencies throughout the State as well as tribal responders

- **Identification of target rural areas:**

Use existing information of commercial and publically-owned network assets to identify and classify where efforts will need to focus by matching projected needs with existing infrastructure.

Throughout the progress of the project and as further information becomes available, identified target areas will be reassessed to ensure priorities will meet user’s needs.

Incorporate network standards and strategy defined by FirstNet to determine usable assets and conduct outreach to identify secondary users.

FirstNet will negotiate and determine user fees for secondary users.

Ensuring Rural Coverage - Milestones and Timeline

Key Project Milestones	2013		2014				2015				2016	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Detail Project Plan/Team Formation												
Identification of Target Rural Areas												
Data Analysis & First Assessment												

Reassessment of Target Areas*																				
Reassess Target Rural Areas																				
Data Analysis & Second Assessment																				
Final Assessment																				
First Responder in Rural Areas																				
First Responder including Tribal Responders & Secondary User Identification																				
First Responders Assessment**																				
Secondary Users: Outreach **																				
Baseline																				
Ongoing Revision of Final																				

Notes and Assumptions:

- Overall timeline subject to change depending on commencement of SLIGP.
- * Target rural areas, will be adjusted depending on findings of data collected under Phase II and network model specifications determined by FirstNet. Timeline of these tasks will depend on FirstNet actions.
- ** Revenue assessments from Nevada first responders and secondary users will ultimately depend on pricing and service offerings to be determined by FirstNet. Estimates will be readjusted depending on FirstNet actions.

 Expected Timeline  Tentative timeline dependent on FirstNet actions

With respect to the tribal areas of the state, the U.S. Department of Homeland Security’s Office of Emergency Communications (OEC) recently completed a two phased project for the tribal nations in Nevada helping them to identify existing Tribal Land Mobile Radio coverage and gaps in the required coverage. The Phase I results determined that there was a significant lack of equipment, infrastructure, and formal procedures (e.g., Memoranda of Understanding (MOU) and Standard Operating Procedures (SOP)) in many of the tribal nations. These gaps are leading to significant communications interoperability issues with the Nevada Tribes. To address the technical gaps, Phase II was conducted to provide an estimated scope and cost to upgrade tribal public safety land mobile radio (LMR) communications to achieve operability and interoperability with state and local public safety agencies. This recent two part study, although focused on LMR, will provide invaluable insight to broadband communication needs, both procedural and operational, of the tribal nations. This information, with cooperation of the ITCN, will enable the state to define the requirements necessary to ensure coverage in and participation by the tribal nations.

Question 8. Existing Infrastructure

Question

a. What, if any, databases exist that collect data on government-owned wireless and/or communications infrastructure for the state, local, and/or tribal governments?

Nevada has many databases that maintain an accounting of assets related to government owned wireless and infrastructure. Most databases are maintained by individual agencies or local governmental bodies. Recently, and in connection with broadband mapping BTOP programs, Nevada has conducted significant work through the Broadband Task Force, in assembling a more

comprehensive understanding of its communications infrastructure, which is both public and private.

The Federal Communications Commission (FCC) also maintains a database of all registered vertical assets, which includes both publicly and privately-owned towers, called the Antenna Structure Registration (ASR) database. This database includes the latitude and longitude of each tower, as well as its height, registration number, and registered owner. This data has been mapped by Connect Nevada and can be viewed by accessing the interactive broadband map at www.connectnv.org and clicking on “Other Data,” then “FCC Registered Towers. Nevada will use this data to assist in creating the PSBN inventory.”

Department of Homeland Security’s Communications Assets Survey and Mapping (CASM) tool is a standardized collection method for emergency response agencies to store and visually display data about their public safety communications assets and how those assets are used. Nevada’s CASM entries contain the inventories of over 125 agencies and jurisdictions. We intend to continue to use this tool to identify infrastructure and capabilities. CASM provides:

- A single repository for information about land mobile radio systems, methods of interoperability and how they are used by emergency responders.
- A means to display the data.
- Tools to analyze the data and visualize interoperability gaps in accordance with the SAFECOM Interoperability Continuum framework.

Question

- b. If these databases exist, what is the process for updating them and how often do these updates occur?

Nevada, with OEC assistance, launched the Mobile Data Survey Tool through the Public Safety Tools website. There is no current program for the uniform updating of the databases but for internal requirements extending from the agency asset owner.

Question 9. Existing Government-Owned Networks

Question

- a. Describe how you plan to identify any that are currently required for existing government-owned networks within the State, including those networks at the local and tribal governments.

SONNet will begin outreach to existing Information Technology Managers that exist within state, county, local and tribal governments to identify their network security needs and issues. The State CIO office has been involved with SONNet and would provide the necessary information to assist with State network security needs.

Question

- b. Describe how you plan to identify any existing contractual requirements regarding hardening, security, reliability, or resiliency for commercial carriers providing wireless data services within the State, including those at the local and tribal governments.
-

SONNet will:

Engage the State CIO, County, local government and Tribal IT managers to consult with the commercial carriers to identify existing contractual requirements regarding hardening, security, reliability, or resiliency.

Question 10. Network Users

Question

- a. Describe how you plan to identify the potential users of the nationwide public safety broadband network within the State, including at the local and tribal governments.
-

Connect Nevada has established county broadband planning teams as part of the Broadband Task Force, that have assessed their community's broadband capabilities and developed a strategic plan for addressing deficiencies. The members of each county broadband planning team represent a cross-section of each community (government, healthcare, education, community organizations, business/industry, tribal, etc.), and in many cases, some element of the public safety community are already represented. As part of the SLIGP, Connect Nevada would form a public safety "subcommittee" from each existing county broadband planning team that will be comprised of key representatives from the emergency response community for each county. The chairperson for each team will be chosen from the representation and will serve as the primary point of contact. This body will then become the county-level group that will interface with SONNet. The state recognizes that an inventory of existing data users today will not represent the potential users of a broadband data network tomorrow.

Nevada has already identified some users through the Public Safety Tools Broadband Survey Tool. Others users have become apparent through the efforts of the Broadband Task Force. For planning purposes as well as outreach to other potential network users, SONNet will continue to work with the Nevada League of Cities and Nevada Association of Counties to identify the impact of the PSBN to local governments. SONNet will also work collaboratively with the Inter-Tribal Council of Nevada to identify additional network users. Additionally, the SONNet will collaborate with the Nevada Broadband Task Force to identify public private partnerships, and establish network user outreach.

The Nevada Sheriffs and Chiefs Association has been given updates on the progress of SONNet and NDIP projects and continue to inform and enlist their membership. The Nevada Fire Services has

been briefed and is involved with the education and planning processes of SONNet including outreach to volunteer fire agencies.

Question 11. Education and Outreach

Question

- a. Describe how you plan to educate and train multi-discipline, public safety and other government users of the nationwide public safety broadband network at your State, local, and tribal levels.

Nevada will develop outreach strategies and education to engage stakeholders necessary to effectively assist in navigating the complexities of this initiative.

Some outreach activity is currently being performed. Several groups and associations have already been presented with the concepts of the PSBN. Nevada employs a training team through the Division of Emergency Management that has experience in creating curricula and delivering content to audiences throughout the State. Nevada will develop comprehensive governance, planning outreach and education programs in conjunction with Phase I of the SLIGP. This will include outreach strategies to engage first responders, utilities, general business users, equipment vendors, attorneys, and others to effectively assist user groups in navigating the complexities of the program. SONNet will provide necessary oversight to guide the cooperation and planning necessary to achieve desired results consistent with the objects of the SLIGP.

Specifically, the intended purpose of the intended educational and outreach in Phase 1 is awareness and understanding of the Public Safety Broadband Network and how it will support the needs of local and tribal public safety as well as other potential users. Traditional mechanisms like classroom and town hall meeting formats will be used along with new social media delivery mechanisms like informational videos that will be posted to a variety of websites.

Question 12. Memorandum of Agreements

Question

- a. Describe any specific obstacles, laws, and/or legal issues that will likely impede your ability to participate fully in the nationwide public safety broadband network or in SLIGP.

Nevada has commented in response to the NTIA NOI of October 31, 2101, that there are a range of potential issues that may arise throughout the lifecycle of the PSBN including legal authorities and conditions that will impede the State's ability to discharge its obligations to FirstNet. Identifying and addressing those issues will be an important goal during the initial planning phase. As FirstNet provides more specific guidance related to PSBN activities and its operating business model the SLIGP will support Nevada in developing an effective plan for responding to circumstances.

Until FirstNet releases more details of its operating business plans, network management functions, network design and requirements, fees and revenue streams to support the network and its primary

and secondary users, the states simply have insufficient information to develop “specific obstacle’s and /or legal issues”.

Question 13. Tools

Question

a. What are some of the software tools that the State has used and could apply to the planning and data collection activities associated with this program?

For SLIGP purposes, the SONNet Committee will leverage a modified version of geographic data visualization tool developed for the Broadband Task Force by Connect Nevada for the implementation of the State Broadband Initiative (SBI) federal grant program administered by NTIA. This data visualization tool will allow for the display, analysis, and customized viewing of broadband network data, including available fixed and mobile broadband networks, vertical assets, backhaul infrastructure, and other relevant network information. The platform will be adapted to display data layers as needed under the direction of FirstNet.

Nevada has used the communications Assets Survey and Mapping tool (CASM) and the Mobile Broadband Data Tool as a means to collect information that will be useful in planning and outreach that will be necessary as the project progresses.

Connected Nation is currently using a similar mapping application that it developed in-house to support the needs of Nevada’s Broadband task force that are working to expand broadband more generally across a given state. Connect Nevada’s interactive GIS map can be accessed here: <http://www.connectnv.org/interactive-map>

Question 14. Phase Two Funding

Question

a. Describe the activities that you expect to undertake with the Phase 2 funding when it is made available to the State, Territory, or District.

Nevada anticipates that the planning and outreach activities contemplated for Phase 1 will continue during Phase 2. During Phase 2 Nevada will prepare for additional consultation with FirstNet. SONNet will engage in data collection activities that are based on data elements identified by FirstNet.

Question 15. Other

Question

a. Please list any consultants, vendors, or other entity that assisted in the preparation of this application.

- Nevada Department of Public Safety
- Washoe County Sheriff's Office
- North Lake Tahoe Fire Protection District
- State of Oregon SWIC
- Connected Nation
- Deloitte LLP.

Project Feasibility Attachment for SLIPG:

The section should provide a brief narrative of the applicant's capacity and qualifications, including knowledge and experience, plus its staffing plan. *(Not to exceed two pages in length).*

The primary initial resources to support the SLIGP have already been identified. Nevada has created the SONNet Committee. A project manager and Deputy Attorney General are supported by the Division of Emergency Management (NDEM). The Office of CIO, the NCSC, the state SWIC and the Governors Broadband Task Force will also be involved.

Qualifications: Nevada Division of Emergency Management (NDEM)

NDEM is the designated agency responsible for coordinating interoperable communications statewide. This responsibility was acquired by the agency in 2009 when the Governor moved the Homeland Security Advisor under this agency. The Homeland Security Advisor was appointed by the Governor in 2006 as being the responsible party for coordinating interoperable communications grants in relation to the Federal Homeland Security Grant Program.

Staffing Plan:

NDEM will provide staff time to the SLIGP for the duration of this grant but will not be requesting grant funding for this assistance; please see detailed budget.

Statewide Interoperability Coordinator, State of Nevada

The SWIC will provide subject matter expertise. This is a seamless relationship as being Nevada's coordinator for land mobile radio systems and the relationship this effort will have in wireless broadband communications. The SWIC maintains national relationships and contacts regarding wireless communications that will be utilized to the benefit of this endeavor. The SWIC is involved with local government statewide for revision and implementation of the State Communications Interoperability Plan (SCIP), which will be revised accordingly.

Staffing Plan:

The SWIC will devote 50% of time to SLIGP for the duration of this grant; please see detailed budget.

Project Manager, Nevada

Project Management principals will be utilized for all phases of SLIGP implementation. A project manager will develop and carryout a project plan that includes tasks, milestones, and timelines. This individual will provide for the oversight of the project in identifying necessary activities to be performed and to align appropriate resources, contracts, and subject matter expertise to accomplish SLIGP initiatives.

Staffing Plan:

The Project Manager will devote 80% of time to SLIGP for the duration of this grant; please see detailed budget.

Grants Coordinator /Management Analyst II

Nevada will not recruit for this position until the federal grant award is issued, however this position will be supervised by NDEM Program Manager and the Grants and Projects Analyst supervisor.

The grants analyst (management analyst) will manage more complex grants and projects functions. Complex grants and projects duties require interpreting numerous regulations and requirements, determining eligibility, determining compliance, preparing reports and analyses, coordinating program activities with several public jurisdictions, and overseeing the maintenance of extensive informational and/or financial records.

Staffing Plan:

Grants Coordinator/Analyst will devote 100% of time to SLIGP for the duration of this grant; please see detailed budget.

Gap Analysis/MOU/RFP Coordinator

Activities associated with the conduct of meetings with regional stakeholders and the subsequent development of memorandum of understanding (MOU) for creating partnerships

Staffing Plan:

Gap/MOU/RFP Coordinator will provide significant time to SLIGP activities. Please see detailed budget.

Outreach Coordinators

Outreach Coordinators will conduct outreach meetings and activities in association with potential stakeholders from government, tribal, and non-profit organizations. The State of Nevada has 17 counties in which 15 are considered rural, 27 federally recognized tribes and a very large land mass making it difficult to provide coverage to the entire state.

1 representative in Southern Nevada to encompass the Clark County area (Las Vegas), 1 representative for the southern rural areas, 1 Northern representative to include Washoe County (Reno), 1 Northeast representative for the rural jurisdictions, 1 Tribal representative

Staffing Plan:

Outreach Coordinators will provide significant time to SLIGP for the duration of this grant; please see detailed budget.

Legal Council

Legal Council to support the development of planning initiatives, conduct of meetings, contracts, policy review, agreements, and any issue related to potential system operation.

Staffing Plan:

Legal Council will provide 50% of time to SLIGP for the duration of this grant; please see detailed budget.

Nevada Highway Communications Dispatch

Responsible for participation in all State and Local Implementation grant activities. These positions consist of general communications staff as well as supervisory staff to oversee the successful planning of the grant objectives as they relate to Nevada Highway Patrol

Staffing Plan:

NHP Dispatch will provide 2.05 FTE of time to SLIGP for the duration of this grant for the Non-Federal costs (match) associated with this grant; please see detailed budget.

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

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.		\$	\$	\$	\$	\$ 0.00
2. SLIGP	11.549			1,972,666.00	498,528.00	2,471,194.00
3.						0.00
4.						0.00
5. Totals		\$ 0.00	\$ 0.00	\$ 1,972,666.00	\$ 498,528.00	\$ 2,471,194.00
SECTION B - BUDGET CATEGORIES						
6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)	
	(1) FEDERAL	(2) NON-FEDERAL	(3)	(4)		
a. Personnel	\$ 147,000.00	\$ 345,000.00	\$	\$	\$ 492,000.00	
b. Fringe Benefits	65,415.00	153,528.00			218,943.00	
c. Travel	185,061.00	0.00			185,061.00	
d. Equipment	0.00	0.00			0.00	
e. Supplies	29,626.00	0.00			29,626.00	
f. Contractual	1,472,796.00	0.00			1,472,796.00	
g. Construction	0.00	0.00			0.00	
h. Other	72,768.00	0.00			72,768.00	
i. Total Direct Charges (sum of 6a-6h)	1,972,666.00	498,528.00	0.00	0.00	2,471,194.00	
j. Indirect Charges					0.00	
k. TOTALS (sum of 6i and 6j)	\$ 1,972,666.00	\$ 498,528.00	\$ 0.00	\$ 0.00	\$ 2,471,194.00	
7. Program Income	\$	\$	\$	\$	\$	

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Prescribed by OMB Circular A-102

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.	\$ 498,528.00	\$	\$ 0.00	\$ 498,528.00	
9.				0.00	
10.				0.00	
11.					
12. TOTAL (sum of lines 8-11)	\$	\$	\$ 0	\$ 0	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 0.00	\$	\$	\$	\$
14. Non-Federal	0.00				
15. TOTAL (sum of lines 13 and 14)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
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.	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: 2,471,194.00		22. Indirect Charges: 0.00			
23. Remarks: revision 7/11/2013					

FINANCAL ASSISTANCE APPLICATION FY2013
State and Local Implementation Grant Program (SLIGP)
Detailed Budget

CATEGORY	DETAILED DESCRIPTION OF BUDGET (FOR FULL GRANT PERIOD)	QUANTITY	UNIT COST	TOTAL	BREAKDOWN OF COSTS	
					Federal	Non-Federal
(a) Personnel						
	Grant Coordinator Management Analyst II (1 FTE of \$49,000)	3	\$49,000	\$147,000	\$147,000	
	NV Hwy Patrol Communications Dispatch V (.50 FTE of \$58,000)	3	\$29,000	\$87,000		\$87,000
	NV Hwy Patrol Communications Dispatch V (.25 FTE of \$58,000)	3	\$14,500	\$43,500		\$43,500
	NV Hwy Patrol Communications Dispatch III (.80 FTE of \$55,000)	3	\$44,000	\$132,000		\$132,000
	NV Hwy Patrol Communications Dispatch III (.50 FTE of \$55,000)	3	\$27,500	\$82,500		\$82,500
	Total Personnel			\$492,000	\$147,000	\$345,000
(b) Fringe Benefits						
	Grant Coordinator MA II (1 FTE of \$21,805)	3	\$21,805	\$65,415	\$65,415	
	NV Hwy Patrol Communications Dispatch V (.50 FTE of \$25,810)	3	\$12,905	\$38,715		\$38,715
	NV Hwy Patrol Communications Dispatch V (.25 FTE of \$25,810)	3	\$6,453	\$19,359		\$19,359
	NV Hwy Patrol Communications Dispatch III (.80 FTE of \$24,475)	3	\$19,580	\$58,740		\$58,740
	NV Hwy Patrol Communications Dispatch III (.50 FTE of \$24,475)	3	\$12,238	\$36,714		\$36,714
	Total Fringe Benefits			\$218,943	\$65,415	\$153,528
(c) Travel						
IN-STATE TRAVEL						
SONNET Committee (16 trips per year=48)	Air/Vehicle/Mileage	48	\$250	\$12,000	\$12,000	
	Lodging (1 night per trip)	48	\$91	\$4,368	\$4,368	
	Meals/Per diem (2 days per trip)	96	\$61	\$5,856	\$5,856	
SLIGP/Project Mgr (10 trips per year=30)	Air/Vehicle/Mileage	30	\$400	\$12,000	\$12,000	
	Lodging (3 night per trip)	90	\$91	\$8,190	\$8,190	
	Meals/Per diem (4 days per trip)	120	\$61	\$7,320	\$7,320	

SWIC (10 trips per year=30)	Air/Vehicle/Mileage	30	\$400	\$12,000	\$12,000
	Lodging (3 night per trip)	90	\$91	\$8,190	\$8,190
	Meals/Per diem (4 days per trip)	120	\$61	\$7,320	\$7,320
Grant Coordinator (1 trip per year=3)	Air/Vehicle/Mileage	3	\$325	\$975	\$975
	Lodging (2 night per trip)	6	\$91	\$546	\$546
	Meals/Per diem (3 days per trip)	9	\$61	\$549	\$549
Outreach Coordinators (5 coord. @ 4 trips per year=60)	Air/Vehicle/Mileage	60	\$325	\$19,500	\$19,500
	Lodging (2 night per trip)	120	\$91	\$10,920	\$10,920
	Meals/Per diem (3 days per trip)	180	\$61	\$10,980	\$10,980
Gap Analysis/MOU Coord. (3 trips per year=9)	Air/Vehicle/Mileage	9	\$400	\$3,600	\$3,600
	Lodging (3 night per trip)	27	\$91	\$2,457	\$2,457
	Meals/Per diem (4 days per trip)	36	\$61	\$2,196	\$2,196
Legal Counsel (8 trips per year=24)	Air/Vehicle/Mileage	24	\$250	\$6,000	\$6,000
	Lodging (1 night per trip)	24	\$91	\$2,184	\$2,184
	Meals/Per diem (2 days per trip)	48	\$61	\$2,928	\$2,928

OUT-of-STATE Travel

SLIGP/Project Mgr (6 trips per year=18)	Air/Vehicle/Mileage	18	\$450	\$8,100	\$8,100
	Lodging (3 night per trip)	54	\$99	\$5,346	\$5,346
	Meals/Per diem (4 days per trip)	72	\$81	\$5,832	\$5,832
SWIC (6 trips per year=18)	Air/Vehicle/Mileage	18	\$450	\$8,100	\$8,100
	Lodging (3 night per trip)	54	\$99	\$5,346	\$5,346

	Meals/Per diem (4 days per trip)	72	\$81	\$5,832	\$5,832	
SONNET Committee (2 trips per year=6)	Air/Vehicle/Mileage	6	\$450	\$2,700	\$2,700	
	Lodging (3 night per trip)	18	\$99	\$1,782	\$1,782	
	Meals/Per diem (4 days per trip)	24	\$81	\$1,944	\$1,944	
Travel Total				\$185,061	\$185,061	\$0
(d) Equipment						
	No Equipment Request this grant					
(e) Supplies						
	Public Safety User group Meeting materials (binder, dividers, tabs etc.)	12	\$500	\$6,000	\$6,000	
	Regional Stakeholders Meeting materials (binder, dividers, tabs etc.)	6	\$500	\$3,000	\$3,000	
	Pens, pencils, highlighters, expo (etc.)	36	\$40	\$1,439	\$1,439	
	Tabs, dividers, binders, folders (etc.)	36	\$100	\$3,600	\$3,600	
	Ink, toner (etc.)	36	\$200	\$7,200	\$7,200	
	Staples, tape, notepad, post-its (etc.)	36	\$33	\$1,187	\$1,187	
	Paper	36	\$200	\$7,200	\$7,200	
Total Supplies				\$29,626	\$29,626	
(f) Contractual						
	Regional Stakeholders Meetings: Facilitator (2 meetings per year=6)	6	\$1,200	\$7,200	\$7,200	
	Public Safety User Meetings: Facilitator (4 meetings per year=12)	12	\$1,200	\$14,400	\$14,400	
	SLIP Project Mgr: .80FTE Monthly contract \$15,011 (80%=12,009)	36	\$12,009	\$432,324	\$432,324	
	SWIC: .50FTE Monthly contract \$17,760 (50%=8,880)	36	\$8,880	\$319,680	\$319,680	
	Gap Analysis/MOU/RFP Coord. Monthly (\$12,500)	36	\$12,500	\$450,000	\$450,000	
	Outreach Coord. 1 per in each region (5) (\$6,000 per year, 3 years=18,000 per region)	5	\$18,000	\$90,000	\$90,000	
	Legal Counsel: .50FTE Monthly \$8,844 (50%=\$4,422)	36	\$4,422	\$159,192	\$159,192	
Total Contractual				\$1,472,796	\$1,472,796	\$0
(g) Construction						

	Construction not allowed for this grant					
Total Construction						
(h) Other						
Conference Registrations	2 national conference per year	6	\$500	\$3,000	\$3,000	
	Telecommunication (50% of 3 @ \$47 per month)	36	\$70	\$2,520	\$2,520	
	Cell Phone (50% of 3 @ \$85 per month)	36	\$128	\$4,608	\$4,608	
	Data Communication (\$200 per month)	36	\$200	\$7,200	\$7,200	
	Facsimile (\$50 per month)	36	\$50	\$1,800	\$1,800	
	Equip Lease/Use/Maint. (\$150 per month)	36	\$150	\$5,400	\$5,400	
	Postage & Shipping (\$40 per month)	36	\$40	\$1,440	\$1,440	
	Printing Costs (\$50 per month)	36	\$50	\$1,800	\$1,800	
Public Safety User Meetings / Collaboration				\$0	\$0	
	Meeting Facility (4 meetings per year=12, 2 locations)	12	\$2,500	\$30,000	\$30,000	
Regional Stakeholders Meetings / Collaboration				\$0	\$0	
	Meeting Facility (2 meetings per year=6, 2 locations)	6	\$2,500	\$15,000	\$15,000	
Total Other				\$72,768	\$72,768	\$0
(i) Total Direct Charges				\$2,471,194	\$1,972,666	\$498,528
(j) Indirect Charges						
	No Indirect Costs in this Grant					
Total Indirect Charges				\$0	\$0	\$0
TOTALS				\$2,471,194	\$1,972,666	\$498,528

Total Federal Request	\$1,972,666		
Match Requirement (hard match, In-kind, donated with like planning activities)	\$498,528	\$493,167	\$5,361 (Over Match)
Total Grant with Match	\$2,471,194		

**FINANCIAL ASSISTANCE APPLICATION FY 2013
State and Local Implementation Grant Program (SLIGP)
Budget Detail Narrative**

Detailed data corresponding to the SLIGP Budget in narrative form to support each Cost Category:

Personnel

<i>Federal:</i>	\$147,000
<i>Non-Federal:</i>	\$345,000
<i>Total:</i>	\$492,000

See the Detailed Budget Spreadsheet for calculations

- Grant Coordinator/Management Analyst II (1 FTE): Responsible for the administrative functions of preparing grant guidance, contracts and program assurances, track expenditures and reconcile costs to the grant award. Complete and submit all necessary federal reporting.
- Will spend 100% of his/her time on SLIGP grant activities.
Nevada Highway Communications Dispatch (2.05 FTE): Responsible for participation in all State and Local Implementation grant activities. These positions consist of general communications staff as well as supervisory staff to oversee the successful planning of the grant objectives as they relate to Nevada Highway Patrol.

Fringe

<i>Federal:</i>	\$65,415
<i>Non-Federal:</i>	\$153,528
<i>Total:</i>	\$218,943

See the Detailed Budget Spreadsheet for calculations

- Fringe benefit costs are calculated at 44.5% of salary for all personnel listed in the detail budget. Fringe benefit costs are based upon calculations provided by the State of Nevada Department of Administration, Human Resources Division. Fringe benefit funds are used to pay for group insurance, unemployment compensation, worker's compensation, employee retirement, Medicare assessment, state payroll assessment charges, and state human resources assessment charges.

Travel

<i>Federal:</i>	\$185,061
<i>Non-Federal:</i>	\$0.00
<i>Total:</i>	\$185,061

See the Detailed Budget Spreadsheet for calculations

This category supports costs associated with travel to various locations across the state to participate in meetings with local and tribal jurisdictions, to raise awareness of the PSBN, discuss local and tribal needs, and identify potential network users in addition to evaluating to assist in developing the gap analysis.

- Nevada has 2 major population centers; Clark County/Las Vegas area in the South and south Washoe County/Reno/Sparks area in the North-west. The other 15 counties that make-up Nevada, are considered very rural in nature. Traveling within the state to the various counties, agencies and stakeholders often takes several modes of transportation this includes by air to one of the population centers and renting a vehicle to drive up to 4 or 5 hours depending on the destination. Mileage reimbursement (calculated by the GSA rate) is requested only for use of personal vehicles for the Working Group and jurisdictional advisory team members.
- In-State and Out-of-State Travel for Regional and National Meetings with border states and FirstNet members. Staff and contractors will attend national and regional conferences to meet with stakeholders, share information, and collaborate with other grant recipients. This will include State and local activities for attendance of committee meetings, jurisdictional meetings, outreach seminars, general program development and assessment, and other travel associated with system planning and development activities. Travel costs include airfare/vehicle, hotel, and per diem.
 - In-State Travel will consist of the following:
 - There are 12 SONNET Committee members, this budget allows for 1.3 trips per member per year to attend the outreach meetings as necessary, the quarterly Public Safety Stakeholder meetings, as well as the bi-annual Regional Stakeholder meetings (\$22,224).
 - Due to the nature of Nevada's landscape, travel will be necessary for the SLIGP Project Manager to perform their tasks as written in the program narrative. This position is budgeted for 10 trips per year (\$27,510) Due to the nature of Nevada's landscape, travel will be necessary for the SWIC to perform their tasks as written in the program narrative. This position is budgeted for 10 trips per year (\$27,510).
 - There is an expectation that the Grant Coordinator will need to travel to at least one in-state (regional stakeholder meeting) per year (\$2,070)
 - Outreach Coordinators are identified to conduct outreach meetings throughout the State for increasing the awareness of the PSBN build-

out, its potential benefits, and its capabilities when initiated. Travel costs include airfare/vehicle, hotel, and per diem. This category is budgeted for each of the 5 regional outreach coordinators to take 4 trips per year (\$41,400).

- To complete the tasks of the program narrative a gap analysis will be conducted to ensure that all stakeholders participate will travel 3 times each year to different regions of the State (\$8,253)
- Travel for legal counsel will be to attend the regional stakeholder and quarterly meetings that will be held through-out the grant-cycle. This contract is essential in developing agreements, to assist in the creation of the MOU's, revisions and modifications to documentation, and confirmation meetings/conferences. Travel costs include airfare/vehicle, hotel, and per diem (\$11,112).
- Out-of-State Travel will consist of the following:
 - Both the SLIGP Project Manager and SWIC will need to travel out-of-state to our surrounding states/cities to coordinate efforts of the project. In addition to this travel, we expect at least 1 national conference per year that each will attend (\$38,556)
 - In addition to the project manager and SWIC traveling out-of-state we expect that 2 members will travel for like activities (\$6,426)
- All associated travel reimbursement costs are based upon the State of Nevada adopted GSA Federal per diem rates.

Equipment

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

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

Supplies

Federal: \$29,626
Non-Federal: \$0.00
Total: \$29,626

See the Detailed Budget Spreadsheet for calculations

- This category is used to support the miscellaneous general office and operating supplies necessary to support grant activities described in the program narrative. These items consist of pens, pencils, paper, ink/toner, staplers and paper (etc.).
- Included in this category are expenses for binders, tabs, and related materials that may be necessary for each of the regional stakeholder meetings, as well as the quarterly public safety user group meeting.

Contractual

Federal:	\$1,472,796
Non-Federal:	\$0.00
Total:	\$1,472,796

See the Detailed Budget Spreadsheet for calculations

- The Project Manager (PM) will provide overall coordination of project activities, sets and plans meetings, sets timelines for committee goals and objectives, oversees project plan development, implements activities to support project progress, determines contracts and recruits contractors, assures project intent is being met, supports education and outreach, develops reports, and presents project information to stakeholders.
- The Statewide Interoperable Communications Coordinator (SWIC) will provide Subject Matter Expertise to the project, makes recommendations to committees on options and alternatives, collaborates with other state and national experts, determines if project intent is on-track, assists in outreach, develops and presents recommendations to stakeholders; will perform outreach coordination with the Project Manager to ensure stakeholder input from the maximum number of jurisdictions throughout the state.
- Conduct necessary Phase II analysis of existing network systems for the PSBN as determined by FirstNet.
- The outreach and gap analysis initiative supports identifying potential statewide stakeholders for use of the PSBN system. This entails working with SONNet to identify criteria for defining what a "Public Safety User" is in the State of Nevada, identifying the number of individual disciplines, ascertaining potential number of connections, and creating a demographic map of user types statewide. This will further support conducting outreach activities with system owners in identifying individual systems for potential use with the PSBN and subsequent development of the memorandum of understanding (MOU) for creating partnerships.
- Contractors in 5 regions of the state will conduct outreach meeting and activities in association with potential stakeholders from government, tribal, and non-profit

organizations

- Assessment charges for legal counsel support to the development of planning initiatives, conduct of meetings, contracts, policy review, agreements, and any issue related to potential system operation.

Construction

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

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

Other

Federal: \$72,768
Non-Federal: \$0.00
Total: \$72,768

See the Detailed Budget Spreadsheet for calculations

- This category expenses consist of telecommunications for the SWIC, SLIP Project Manager and Grant Coordinator. These costs includes data, cellular and office communications.
- Included in this category is meeting costs for each of the meetings scheduled during the 3 year cycle. Each quarter a Public Safety User meeting will be conducted, in addition to a stakeholder meeting to be held twice a year.
- ***This category includes the expenses for 2 national conference references each year.***

Indirect

Federal: \$0.00
Non-Federal: \$0.00
Total: \$0.00

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

Match

- Provided as In-kind match from the State funded staff hours (including fringe) of the Public Safety Dispatch Center assisting in the planning efforts of this program for the State of Nevada.

TOTAL REQUEST

Federal:	\$1,972,666
Non-Federal:	\$498,528
Total:	\$2,471,194

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.

<p>* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Rick Martin</p>	<p>* TITLE</p> <p>Chief</p>
<p>* APPLICANT ORGANIZATION</p> <p>Nevada Division of Emergency Management</p>	<p>* DATE SUBMITTED</p> <p>03/18/2013</p>

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

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**

Nevada Division of Emergency Management

*** AWARD NUMBER**

2013-NTIA-SLIGP-01

*** PROJECT NAME**

State and Local Implementation Grant Program (SLIGP)

Prefix: Mr. * First Name: Christopher Middle Name: B.

* Last Name: Smith Suffix:

* Title: Chief

* SIGNATURE: Rick Martin

* DATE: 03/18/2013

ONE HUNDRED ONE NORTH CARSON STREET
CARSON CITY, NEVADA 89701
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Office of the Governor

RECEIVED
MAR 14 2013
Division of
Emergency Management

March 13, 2013

Mr. Sam Ginn, Chair
FirstNet Public Safety Broadband Network
National Telecommunications and Information Administration
1401 Constitution Ave., NW
Washington, DC 20230

RE: Letter of State of Nevada Designation

Dear Chairman Ginn: *Sam,*

This letter is to act as a State of Nevada Designation for the National Telecommunications and Information Administration (NTIA) for the State and Local Implementation Grant Program (SLIGP) to comply with the statutory requirements of the NTIA.

The State of Nevada is designating the Department of Public Safety (DPS), Division of Emergency Management and Homeland Security (NDEM) as the governmental body for the coordination of the implementation of the SLIGP grant funds. The point of contact is designated as Christopher B. Smith, Chief of Emergency Management and Homeland Security. Chief Smith is a current State of Nevada government employee.

If you should have any questions, please contact our office at (775) 684-5670.

Sincere regards,

Brian Sandoval
BRIAN SANDOVAL
Governor

*It was a pleasure to meet with you
at NTIA. We hope to see you in Nevada soon.
187*