

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission:

- Preapplication
 Application
 Changed/Corrected Application

* 2. Type of Application:

- New
 Continuation
 Revision

* If Revision, select appropriate letter(s):

* Other (Specify)

* 3. Date Received:

08/13/2009

4. Applicant Identifier:

Neb. Public Service Commission

5a. Federal Entity Identifier:

* 5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

Nebraska Public Service Commission

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

470491233

* c. Organizational DUNS:

932733967

d. Address:

* Street1:

300 The Atrium Building

Street2:

1200 N Street

* City:

Lincoln

County:

Lancaster

* State:

NE: Nebraska

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

68508

e. Organizational Unit:

Department Name:

Communications Department

Division Name:

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

Prefix:

Mrs.

* First Name:

Shanicee

Middle Name:

* Last Name:

Knutson

Suffix:

Title:

Legal Counsel

Organizational Affiliation:

* Telephone Number:

(402) 471-3101

Fax Number:

* Email:

shana.knutson@nebraska.gov

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

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

Department of Commerce

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*** 12. Funding Opportunity Number:**

0660-ZA29

* Title:

Recovery Act - State Broadband Data and Development Grant Program

13. Competition Identification Number:

Title:

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

Statewide broadband mapping as well as broadband Planning in unserved and underserved areas defined by NTIA.

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

The project funding will be used to create a statewide, comprehensive broadband map that can be assimilated into a national broadband map for NTIA, and to identify barriers to broadband deployment.

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant * b. Program/Project

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

17. Proposed Project:

* a. Start Date: * b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="4,293,630.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="4,293,630.00"/>

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

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

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

 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: Middle Name: * Last Name: Suffix: * Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed:

Application for Federal Assistance SF-424

Version 02

*** 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.

PROJECT ABSTRACT

The Nebraska Public Service Commission (NPSC) seeks state broadband funding from the National Telecommunications and Information Administration (NTIA) for the purpose of developing and maintaining a comprehensive, interactive, and searchable statewide broadband map that can be easily assimilated into the national broadband map pursuant to the Broadband Data Improvement Act (BDIA) Title I of Public Law No. 110-385, 120 Stat. 4096 (Oct. 10, 2008). The NPSC plans to utilize an independent contractor to collect the broadband data from providers and to create the statewide broadband map. The NPSC will separately verify the data collected by our contractor, by using in-house resources, using an additional contractor, or using a combination thereof. Under the supervision of the NPSC, and with the NPSC's assistance, the contractor will construct a broadband map consistent with the technical requirements provided by the NTIA.

The NPSC requests an award amount of \$3.8 million for the broadband mapping portion of the project. This work includes the data collection, verification, mapping and updating portions of the project. The NPSC will maintain the statewide broadband map in a way that can be accessible to the public without compromising the confidential nature of some of the data. The mapping project will be ongoing for a period of five years from the date of the award, so that updates to the broadband data and mapping information can be provided to NTIA in a timely and efficient manner.

The NPSC seeks an additional award of \$500,000 for broadband planning. The NPSC will work with collaborative partners to identify barriers to broadband deployment and work at the local level to raise awareness and to overcome barriers to broadband deployment.

PROJECT NARRATIVE

Nebraska Broadband Mapping and Planning Program

I. EXECUTIVE SUMMARY

The Nebraska Public Service Commission (NPSC) seeks state broadband funding from the National Telecommunications and Information Administration (NTIA) for the purpose of developing and maintaining a comprehensive, interactive, and searchable statewide broadband map that can be easily assimilated into the national broadband map pursuant to the Broadband Data Improvement Act (BDIA) Title I of Public Law No. 110-385, 120 Stat. 4096 (Oct. 10, 2008). The NPSC is in the process of soliciting bids from experienced contractors to collect broadband data, and to build and maintain the statewide broadband map. Once we have chosen a contractor to complete this project, we will be able to supplement our application to the extent the NTIA permits to describe in further detail the experience, knowledge and expertise of the contractor chosen. A contractor will be determined based upon its ability to timely and accurately perform the data collection, its ability to timely produce a statewide broadband map that comports with the technical requirements released by NTIA, the ability to timely complete updates to the map information, and based on the price to perform the work.

The NPSC requests an award amount of \$3.8 million for the broadband mapping portion of the project. We will make every attempt to find the most efficient cost alternative, however, we will also be looking to the level of experience, knowledge and capability of the contractor to perform the data collection and mapping work in a timely fashion. The NPSC makes this application with the information it has available to it at the time the application is due, however, if additional information is needed from NTIA, the NPSC will do its best to timely respond to NTIA and provide the requested information.

The narrative includes detail in relation to the NPSC's proposed in-kind contribution. As further discussed below, the NPSC proposes to contribute existing broadband data it has collected from providers, GIS mapping data and capability purchased during the last several years, as well as some administrative costs for the Nebraska Broadband Mapping and Planning Program. The NPSC's ability to accept a grant award if this application were approved is dependent upon the acceptance of an in-kind match of twenty percent (20%) of any award amount. The State of Nebraska has not otherwise appropriated any cash funds for the match requirement.

The NPSC also seeks an award for broadband planning in the amount of \$500,000. For the broadband planning, the NPSC will be collaborating with the Nebraska Information Technology Commission, the Nebraska Department of Economic Development and the University of Nebraska. The details of the Nebraska Broadband Planning Project are further described and the budget is set forth in part 5 below.

II. PROJECT PURPOSE

The Nebraska Broadband Mapping and Planning Program will serve several purposes for the State of Nebraska. The first and primary purpose of the project will be to develop and maintain a comprehensive, interactive, and searchable map of existing broadband service capability and availability in Nebraska and to timely deliver the inventory map to NTIA for inclusion in the nationwide broadband map. The second purpose will be to maintain and update the comprehensive statewide map so that NTIA and the State of Nebraska can determine the progress of broadband deployment. Third, in terms of broadband planning, the NPSC, in conjunction with other state agencies, councils and local governments, will identify challenges to deployment and seek solutions to overcome those challenges.

To accomplish the project's purpose, the NPSC requests a grant award in the amount of \$3.8 million for the broadband mapping and an additional award of \$500,000 for broadband planning. The ultimate goal of the Nebraska Broadband Mapping and Planning Program will be to provide NTIA with a comprehensive, interactive and searchable map in the time frame required for NTIA to meet the requirements the BDIA and have a national map on its website by February of 2011. The mapping project will be ongoing for a period of five (5) years from the date of the award, so that broadband data and mapping can be up to date. Beyond that, the goals of the Nebraska Broadband Mapping and Planning Program will feed into state broadband planning initiatives. State and local governments can then continue to address barriers to broadband deployment in the specific areas identified as unserved and underserved.

The Notice of Funds Availability (NOFA) released by NTIA on July 8, 2009 requests that states describe all unserved and underserved areas in their state as defined therein, and to the extent that they know, a prioritization for the allocation of grant funds within that state for projects in their respective state. The NPSC has been collecting broadband data for a number of years, but has not collected it with the granularity or on the same terms as described in the NOFA. A copy of the broadband survey report released by the NPSC is available on its website at:

<http://www.psc.nebraska.gov/home/NPSC/communication/broadband/broadband.html>.

In more general terms, we have information regarding the outlying areas, usually outside of incorporated areas, that lack broadband availability and we submit that these unserved areas should be prioritized in terms of broadband funding. However, without the mapping resources provided to us first, we cannot describe, consistent with the definitions of the NOFA, the specific underserved and unserved areas.

Designation as Eligible Entity

On August 12, 2009, the NPSC was designated as the "eligible recipient" of State Broadband Data Program grants by Governor Heineman pursuant to the terms of the BDIA. A copy of the letter of designation is electronically submitted with this application.

The NPSC is a constitutional agency of the State of Nebraska with powers to regulate common carriers, including but not limited to the telecommunications carriers, operating within its borders. *See* Neb. Const. art. V, § 20. The powers of the agency were established by constitutional amendment in 1906. According to additional state enabling legislation, prior to constructing facilities or offering services telecommunications carriers (to the extent not preempted by federal law) are required to first obtain operating authority from the NPSC. *See* Neb. Rev. Stat. §§ 86-128 and 86-129. Wireless telecommunications companies and Internet communications providers are required to register with the NPSC prior to offering services in the state. *See* Neb. Rev. Stat. § 86-125. The NPSC has the ability to enforce its authority through the use of administrative penalties; and, if the entity holds authority to operate in the state, the NPSC has the authority to revoke that authority. The Nebraska Attorney General's Office enforces NPSC orders in state and federal court on the NPSC's behalf.

As discussed below, the NPSC has worked on broadband development issues for a number of years. The agency has experience in collecting data directly from broadband providers and aggregating that data to determine where broadband availability is lagging in the state. The NPSC has also worked with Geographic Information System (GIS) data and mapping software as it has purchased and used such information for Enhanced 911 deployment. In addition to its own experience, the NPSC plans to rely primarily on the experience and technical expertise of a third-party contractor. The contractor will be responsible for the collection and verification of broadband data from providers in Nebraska. The contractor will also be responsible for gathering the data and providing a comprehensive, interactive, and searchable map to the Commission and to NTIA.

1. DATA

The NPSC will ensure through its contractor that the collection of broadband data will be comprehensive and verifiable. The collection and format of the data will meet the program standards as described in the Technical Appendix to the NOFA.

The NPSC plans to meet the data collection and verification requirements through the use of a contractor. On August 13, 2009, the NPSC, in conjunction with the state's purchasing agency, the Department of Administrative Services (DAS), released a Request for Proposal (RFP). A copy of the RFP is appended to this application. At this time, the NPSC does not have information to describe the method by which the contractor will collect and verify the broadband data. The NPSC's RFP process was designed to give potential bidders adequate time to respond to the NPSC's RFP and for the NPSC to

evaluate the bids received in terms of the knowledge and expertise of the bidders and an efficient budget. In short, the NPSC believed a deviation from the customary RFP process would have jeopardized a fair process and would have deterred qualified bidders from submitting proposals. According to the RFP process, responses from qualified bidders will be filed around September 14, 2009. Then, the State will select a candidate that can meet the requirements of the project. If permitted, the NPSC will supplement its application to NTIA to include the methodology used by its contractor to collect the data. The supplemental information will include a summary of the contractor's corporate experience, specific information on similar projects the contractor has worked on and the technical approach that will be taken by the contractor.

The NPSC will require that the data is collected and mapped in a manner that will describe broadband service availability in a provider's service area by census blocks of no greater than two square miles in an area in which broadband service is available to end users as provided in the revised Technical Appendix. For census blocks larger in area than two square miles, the NPSC will require either address specific data as described in the original notice or a list of all street segments with address ranges in such census blocks as contained within the U.S. Census Bureau's TIGER/Line Files or such other equivalent, in which broadband service is available to end users. Consistent with the definitions provided in the Technical Appendix of the NOFA, the NPSC's contractor will define broadband as the service that provides two-way data transmission to and from the Internet with advertised speeds of at least 768 kilobits per second (kbps) downstream and greater than 200 kbps upstream to end users, or providing sufficient capacity in a middle mile project to support the provision of broadband service to end-users within the project area. Consistent with the terms of the NOFA, the NPSC will require the contractor to gather, verify, protect, and timely submit the data to the NPSC and to NTIA. The NPSC will require the contractor to collect a comprehensive data set that will include data covering broadband availability in tribal lands.

The NPSC will ensure that the data collection and verification process will be handled consistently with the Technical Appendix, as amended, and the record format for the data will be provided in a manner that can be easily assimilated into the national broadband map.

(a) Data Gathering

Baseline Information

The NPSC plans to use, to the extent it is able, the data provided by broadband service providers in the past as a baseline. Since 2002, the NPSC has collected broadband data to determine broadband deployment in Nebraska. We have a number of broadband service providers which have reported broadband service availability, network infrastructure and speeds by zip code in response to surveys released at various intervals by the NPSC. The NPSC also required broadband providers to supply pricing information. However, because pricing information was not provided by all entities responding to our survey that information has not been included in the public report. This

information is highly sensitive and confidential information which is protected by the NPSC. The NPSC does not release individual provider pricing data in its broadband survey reports. The most recent Broadband Survey Report is available from the Commission's website.

The NPSC has worked collaboratively with the regulated industry and willing providers to gather broadband information to determine broadband infrastructure needs in Nebraska. The NPSC has also coordinated with other levels of state government to gather broadband data and hopes to continue this process for the broadband mapping project. For example, Commissioners and staff have held positions in several broadband initiatives, and have collaborated with the Nebraska Information Technology Commission (NITC), state educational institutions, and local interest groups to develop ways to encourage broadband deployment. The NPSC will continue to use this collaborative process to gather broadband data.

The NPSC has information pertaining to the 1,591 census blocks in Nebraska; 640 of those are larger than two square miles in area. In addition, the NPSC has a list of most of the broadband providers in Nebraska to the extent they have been responsive to the NPSC's broadband surveys and broadband deployment information released by the industry. That list includes all of the telecommunications companies regulated by the NPSC. The NPSC also maintains a list of wireless carriers and other broadband providers operating in the state pursuant to a state law which requires such providers to register with the NPSC. *See* Neb. Rev. Stat. § 86-125.

Because of the condensed timeframe involved in this project, the NPSC has had some initial discussions with some of the broadband providers in Nebraska about their ability to collect and provide this data to the NPSC. From these discussions, the NPSC has an understanding that there may be some reluctance of some providers to respond to the requirement for mapping data. For some, the reluctance stems from the ability to provide such data consistent with the terms of the Technical Appendix of the NOFA simply because they do not track the data in those terms. For other providers, the concern may have to do with the protection of the confidential nature of the data. Some of these concerns may have been alleviated in part due to NTIA's clarification of the NOFA on August 7, 2009. The NPSC plans to work collaboratively with the providers, to the extent that it is able, to overcome impediments to data collection. The NPSC has notified providers that they will be required to provide this data to a third party contractor and has asked providers to begin the process of gathering this information for this contractor. A copy of this notice is appended to this application.

The NPSC has also spent a considerable amount on GIS mapping for the State of Nebraska as discussed below. The NPSC's GIS mapping project was originally designed to assess E-911 availability but the mapping capability and data obtained by the NPSC thus far can be adapted to map broadband deployment at the street address level throughout the state. The NPSC's GIS mapping software and capabilities makes up a large percentage of the proposed in-kind contribution.

Contractor Collection and Verification

For the most part, the NPSC will rely on the ability of an independent contractor to gather the broadband mapping data under the supervision of the NPSC. The NPSC plans to have the data separately verified by either using in-agency resources, or by obtaining the services of another contractor to independently verify the data set. The NPSC has allocated a separate line item in its budget proposal for verification and will make a later determination of its ability to provide adequate verification of the data supplied by the contractor, whether to utilize resources of a state university for this purpose, or whether to use a separate contractor. This will largely depend upon the statistical verification standards of the NTIA and whether an independent contractor would be more able to efficiently and economically perform the verification. To verify the data, the NPSC would be able to use existing broadband information, Form 477 data when available, and GIS street segment mapping layers.

The contractor will be responsible for gathering the data from the broadband providers in an accurate and timely fashion. To the extent necessary and appropriate, the NPSC will utilize any tools it may have to ensure that the providers are responsive to the NPSC's contractor, including requesting assistance from the Nebraska Attorney General's Office.

(a) Accuracy and Verification

The contractor will be required to collect the broadband data in a manner consistent with the requirements in the Technical Appendix. The NPSC will rely on the expertise and technical ability of the contractor to collect a comprehensive data set and to provide a mechanism where the NPSC can verify the results. The NPSC will oversee this process and will be ultimately responsible for making sure the data is comprehensive and verifiable to the best of its ability.

In addition, the NPSC will use the baseline information it has gathered previously as well as Federal Communications Commission (FCC) Form 477 data to determine whether it has a comprehensive data set to deliver to NTIA. In 2008, the NPSC requested and began receiving disaggregated Form 477 data from the FCC. This information is provided under a confidentiality agreement between the NPSC and the FCC. The NPSC has used this data internally to update the information we gathered from its broadband surveys and to track progress in broadband deployment in Nebraska. We plan to continue to use this data to provide a check on the accuracy and to verify the data received from the contractor.

(b) Accessibility

The NPSC will require the contractor to provide NTIA with an accessible product that will be clearly presented to NTIA, the public and state and local governments without compromising the data or the protection of confidential information. The NPSC will work with the contractor to ensure that the state map is in a clearly readable and workable format for NTIA and will do that to the best of its ability. The NPSC, in conjunction with its contractor, will coordinate with members of the research community and other state and local government entities to make sure that the map is accessible and meets the needs of these stakeholders without compromising the data or the confidential nature of the data.

To assist NTIA in its goal to display key information on the national broadband map, the NPSC will require its contractor to display the same type of information on the Nebraska broadband map. The Nebraska broadband map will publicly display key data such as: geographic areas in which broadband service is available; the technologies used to provide broadband service in each area; the speeds at which broadband service is available; and broadband service availability at public schools, libraries, hospitals, colleges and universities. The statewide broadband map will also display broadband service to public buildings owned or leased by state and local agencies.

(c) Security And Confidentiality

The NPSC understands that to receive a grant under the federal program, that it must treat any matter that is trade secret, commercial or financial information, or privileged or confidential information, as a record not subject to public disclosure except as otherwise mutually agreed by the provider. The NPSC agrees to be subject to the terms established by NTIA pertaining to confidential information. NPSC personnel with access to the data can execute nondisclosure agreements if required by NTIA. The NPSC has experience handling and storing confidential materials filed with the agency pursuant to protective orders and nondisclosure agreements. The NPSC staff has procedures in place to segregate confidential information and ensure that it is protected from public disclosure.

In addition, the NPSC will require that its contractor execute nondisclosure agreements consistent with the federal confidentiality requirements to the extent required by NTIA. We will not agree to a more restrictive definition of Confidential Information than the definition adopted by the Program. As provided in the NOFA, the NPSC will release data to NTIA for its broadband mapping purposes, and to the FCC. Further, the NPSC will work with broadband providers to the extent that they have remaining concerns about the protection of confidential data.

Specific data that identifies the type and technical specification of infrastructure owned, leased, or used by a specific provider, that identifies the average revenue per user (ARPU) or explicitly identifies a broadband service provider in relation to a specific Service Area or at a specific Service Location will be kept in a secure, encrypted format

and will be protected from public disclosure. As clarified by NTIA, some of this data may no longer be required; however to the extent that confidential data of this nature is filed with the NPSC, the data will be subject to the terms of the nondisclosure agreement. The NPSC will be subject to the Freedom of Information Act (FOIA) and any exceptions to the confidentiality requirements contained in federal law. To the extent that there is a question about the confidential nature of certain data, the NPSC will consult with NTIA and work out a procedure for releasing data which is supposed to be open to the public.

2. PROJECT FEASIBILITY

(a) Applicant Capabilities

Proposed Project Budget for Grant Funds

The NPSC realizes that the award amount it seeks by this application is at the top end of the grant award amounts available to each state. Given the short time frame for a contractor to collect, verify and map the data the NPSC believes that potential contractors will be requiring more resources to perform this work. The NPSC has also been reviewing RFP responses from other vendors bidding on projects in surrounding states. Based on the information we have gathered, the NPSC anticipates the bids will approximate \$3.8 million. However, as a contractor has not yet been obtained and responses to the NPSC's bid solicitation have not yet been received, we request the ability to supplement the application with more exact information on the data collection methods, verification methods and the budget. We expect the responses to the RFP to be filed on or about September 14, 2009. If appropriate, we can work with NTIA to revise our budget based on the bid responses.

In determining the budget for this project, the NPSC also took into consideration the size and population of the state as well as the number of broadband providers reporting Form 477 data to the FCC. The State of Nebraska covers an area of 77,358 square miles (Nebraska Blue Book) and has a population of 1,783,432 comprised of 786,334 households (U.S. Census Bureau 2008 estimates NST-EST2008-01 and HU-EST2008-01). The FCC report "Local Telephone Competition: Status as of June 30, 2008" released July 23, 2009 has estimated there were 880,070 end user switched access lines within the state. Data reported to the FCC on Form 477 for the period ending June 2008 identifies 83 providers of broadband service in Nebraska. Of the 1,591 census blocks in Nebraska, 640 have greater than two square miles. Accordingly, for those areas, the contractor will be required to use street segment addressing.

The NPSC has apportioned its proposed budget of grant funds into the following categories: NPSC personnel and fringe benefits, travel, hardware/software, supplies, contractor services, state auditor review, and enforcement. The proposed budget totals \$3.8 million for the broadband mapping project and an additional \$6.8 million will serve as the NPSC's in-kind contribution. The NPSC also seeks \$500,000 for broadband planning. The budget for the planning portion of the project is detailed in Section 5 below.

Proposed Broadband Mapping Budget

	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Personnel	76,051	30,901	31,519	32,150	32,793	203,414
Fringes	21,020	9,392	9,492	9,593	9,696	59,193
Travel	2,500	2,500	1,000	1,000	750	7,750
Equipment	20,000	7,500	37,500	7,500	7,500	80,000
Supplies	600	600	600	600	600	3,000
Contractual	1,926,000	931,000	126,000	126,000	126,000	3,235,000
Construction	0	0	0	0	0	0
Other	201,450	1,450	1,450	1,450	1,450	207,250
Total Direct Charges	2,247,621	983,343	207,561	178,293	178,789	3,795,607
Indirect Charges	0	0	0	0	0	0
Total	2,247,621	983,343	207,561	178,293	178,789	3,795,607

- i. Personnel- This estimate includes agency employees devoted to the Broadband Mapping Project will include the Agency Director, the Communications Department Director, General Counsel, a Telecommunications Specialist, 2 Accountants, an economist, and the Business Manager. For Year 1 of the project (estimates for 10/1/09 – 9/30/10), the total allocation of these employees represents .99 FTE. In Year 2, the total allocation represents .45 FTE. These same allocations are used for Years 3, 4, and 5.

Salaries used in these estimates are the salaries which will be in effect as of October 1, 2009. Effective on July 1 of each of the future years, a cost-of-living increase of 2% has been used in the estimates.

Responsibilities for these employees related to the broadband project are as follows:

Agency Director –He will provide coordination for the overall activities of the project with NAIA, the Governor’s Office, the Nebraska Legislature, Department of Economic Development, the Nebraska Information Technology Council, the University of Nebraska, and the Commission. The Director will serve as the liaison with the successful bidder to carry out the requirements of the NOFA, and oversee the coordination between the staff and the consultant.

Communications Department Director– The Communications Director will assist the Agency Director as well as work directly with the contractor and other staff members in all aspects of the broadband mapping project. The Communications Director has managed the NPSC’s efforts in gathering data to develop the two broadband surveys which have been issued by the NPSC.

General Counsel – This employee has been involved in the grant application process, the Request for Proposal, and has provided expertise in the protection of proprietary information before the Commission. Her responsibilities will include assisting the successful bidder in the legal issues surrounding the data collection and protection of this information, and the compliance aspects of the project.

Telecommunications Specialist – This employee has been responsible for the data collection efforts and publication and analysis of the results of the two broadband studies for the NPSC. His efforts and his contacts in the various companies in the State, we believe, we be invaluable to the collection of data by the successful bidder.

Accountant – This position has been involved in the application process, and the budget, and will be responsible for accounting and reporting activities on this project.

Accountant – This position has also been involved in the application process, and will assist in the quarterly reporting process as well as coordinating with the State Auditor’s Office for the program. He will be responsible for the revenues received in the fund.

Economist - This position has participated in the designing and development of the GIS database necessary for enhanced 911 in the State of Nebraska.

Business Manager – This position will be responsible for the payroll allocation for the project as well as any payments made to vendors related to this project.

- ii. Fringe Benefits- Included in the estimate for fringe benefits are FICA at 7.65%, retirement at 7.5%, worker's compensation a .9713%, and the State contribution for health insurance.
- iii. Travel- A minimal provision has been included in the estimate for the necessary travel to meet with the consultants who will be gathering the data and providing the broadband mapping services. This could include consultants meeting at the Commission offices as well as staff travel to the offices of the vendor.
- iv. Hardware and Software- The NPSC knows there will be costs for hardware and software in this mapping project. However, the NPSC does not know at this time what components will be required or used by the contractor. Accordingly, the NPSC does not have a listing of these costs at the time of the application. We will have a better understanding of the hardware and software specifications and the associated costs after the bids on the RFP come in around September 14, 2009. If permissible, the NPSC can update this budgetary item at that time.
- v. Supplies- The estimate for supplies will represent any supplies directly attributable to the broadband mapping project.
- vi. Contractual- This estimate includes third party contractors and the Nebraska Auditor of Public Accounts.

Third Party Broadband Mapping Service- This estimate includes the billable services provided by the successful bidder of the RFP process. The Commission is issuing the RFP on August 13, 2009 with bids on the proposal due on September 14, 2009. Our estimate is that after a thirty (30) day evaluation, the most responsive bidder will be selected, and a contract for services will be signed. At that time, we will be able to update this estimate with the actual cost for the project.

Third Party Data Verifier – Based on our understanding that the party collecting the data cannot also perform the verification, we have included a line item in the budget for those responsibilities being carried out by another party. This verification will either be performed by the staff or through a contract, but will be independent of the mapping portion of the project .

State Auditor- we have estimated the amount needed to include this program in the state-wide single audit done by the Auditor of Accounts for the State of Nebraska.

- vii. Other- Attorney General Compliance Costs- this estimate represents costs devoted to ensuring the compliance of carriers in the collection of data for the broadband mapping project. Since the NPSC contracts with its state attorney general for work performed, we thought it appropriate to include compliance costs into the budget in anticipation that enforcement may be necessary. Based on the NPSC's past experience with broadband data collection, we know that there are a couple of carriers which have refused to comply with its requirements because of the fear that this may give way to state regulation of their services. While this fear is misplaced, the NPSC believes that the same carriers may be resistant to working with the NPSC's contractor. Accordingly, if necessary, the NPSC will work with the Attorney General's Office for any enforcement needs.
- viii. Indirect Costs- The NPSC does not currently participate in any federal grant programs, nor has it done so in the past. Given the limited time for the grant application and the fact that we do not currently have an indirect cost factor approved by the Department of Commerce, we have submitted no estimate for the indirect costs in this application. Because the broadband planning portion of this application will be performed in conjunction with the Nebraska Information Technology Commission, (NITC), the University of Nebraska, and the Department of Economic Development, the direct and indirect costs of that portion of the project will be explained in Section 5, below.

In-kind Contributions

The NPSC's application and its ability to receive an award are dependent upon NTIA's acceptance of its in-kind contribution or NTIA's ability to work with the NPSC in matching grant funds with in-kind resources. The NPSC does not have the ability to match any federal fund award monies with cash contribution or appropriations from the State of Nebraska.

GIS

A significant part of the proposed in-kind contribution comes from the NPSC's GIS mapping data.

In 2001, the Nebraska Legislature passed the Enhanced Wireless 911 Services Act ("911 Act") assigning the NPSC the duty to administer the Wireless Enhanced 911 Fund ("Wireless E911 Fund") and carry out the intent and purposes of the 911 Act. *See* Neb. Rev. Stat. § 86-442 et seq. (Reissue 2008). Pursuant to its duties as defined by the 911 Act, the NPSC determined the safety of Nebraska's residents required a coordinated and expeditious implementation of enhanced wireless 911. Furthermore, the implementation of enhanced wireless 911 required robust Geographical Information System ("GIS") databases to facilitate the dispatch of emergency services to a precise location, plotted via latitude and longitude. As such, the NPSC began the arduous task of designing the framework required to initiate, develop, and maintain the invaluable GIS data vital and necessary for the provision of enhanced wireless 911.

On May 21, 2004, the NPSC released its Request for Proposal 911-II-04 ("RFP") soliciting responses from qualified vendors regarding proposed solutions to provide GIS data development necessary for the implementation of enhanced wireless 911 within Nebraska. The RFP called for the creation of GIS data in a standard projection or coordinate system, modified to reflect the addressing systems of both rural and city addressing systems, including; street centerline, depicting all public roadways; railways; political boundaries, including city, township, and county; areas of interest, including parks, cemeteries, hazardous facilities, power plants and substations; water features; fire districts; ambulance districts; law enforcement districts; and emergency service boundaries; as well as provisions for the maintenance of said data.

To date, all of 93 Nebraska counties have requested and been approved funding support from the Wireless E911 Fund for the development and maintenance of GIS data. The Wireless E911 Fund has paid approximately \$2.1 million for GIS data development and approximately \$1.3 million over the initial four-year period for GIS data maintenance, with an additional \$3.3 million anticipated future payments for GIS data maintenance for years 2010 through 2013. *See In the Matter of the Nebraska Public Service Commission, on its own motion, to implement provisions of LB 1222 [2006] and to establish a permanent funding mechanism for wireless enhanced 911 service, Application No. 911-019/PI-118, Order Seeking Comment and Establishing Procedural Schedule, (July 7, 2009).*

In addition, on April 4, 2006, in Application No. 911-011/PI-79, the NPSC entered an order granting funding be provided from the Wireless E911 Fund for the creation of an on-line statewide GIS Data Repository ("Repository") to facilitate the exchange of data, essential to the provision of enhanced wireless 911 service, and ensure current, accurate, and up-to-date data is available to all interested parties. *See In the Matter of the Commission, on its own motion, to establish Phase II enhanced wireless 911 service implementation, Application No. 911-011/PI-79, Order Granting Funding for GIS Repository, (April 4, 2006).* A vendor was selected to design, develop, and implement the collection, verification, and distribution of statewide GIS data.

The Wireless E911 Fund has provided funding support for the development of the Repository in the amount of \$77,000; has paid for one year of maintenance of the

Repository in the amount of \$18,000, with an additional \$18,000 anticipated for maintenance in the subsequent year, totaling nearly \$113,000.

The NPSC believes the in-kind value of its GIS development and maintenance is as follows: The NPSC has spent approximately \$2.1 million for GIS data development, approximately \$1.3 million over the initial four-year period for GIS data maintenance, and \$95,000.00 on the Repository to date; additionally, approximately \$3.3 million for GIS data maintenance for years 2010 through 2013, and \$18,000 for Repository maintenance in the subsequent year.

NPSC Pre-Award Personnel Costs

The NPSC also proposes in-kind contribution matching for pre-award administration costs. These costs are derived mainly from personnel costs. The Commission staff has been attending meetings and webinars related to the Broadband Data and Development Grant Program since the Notice of Funds Availability was released. Five of our staff have attended webinars sponsored by the NTIA, Department of Commerce, and the Governor's office, and have attended internal meetings in preparation for the grant application for the state of Nebraska. We have been coordinating with other State agencies who will be contributing in this effort, and we feel this time should be considered as an in-kind contribution for this grant.

Our staff has accumulated detailed records reflecting these activities, and they are directly attributable to the goal of applying for broadband mapping grants to benefit this State. The cost of the personnel allocated to this grant represents \$13,995.00 and the fringe benefits relating to these salaries consists of \$3,628.00, for a total of approximately \$17,600.00. Our records for this activity are open to your review, and we feel that they should be included in the "pre-award" activities as a part of the in-kind contribution to the grant application.

NPSC Broadband Surveys Value

In early 2000, the Commission collaborated with the Iowa Utilities Board to co-host one of the field hearings for the regional Section 706 Federal-State Joint Conference on Advanced Services. At the hearing various panels gave testimony about the deployment of advanced services in all regions of the state. The Commission has remained engaged in monitoring broadband deployment and subsequently developed two broadband surveys. The State of Nebraska created and funded a Broadband Task Force which issued a final report. Both the estimated value of the Commission surveys and the funding provided by the Legislature towards facilitating the work of the task force should be considered towards the required in-kind match for our mapping project.

In 2002, the Commission opened an investigation to monitor broadband deployment in Nebraska. The Commission released its initial broadband report and order in 2003, finding that based on the Nebraska Information Network (NIN) study reported to

the Commission by the Nebraska Telecommunications Association (NTA), 82 percent of Nebraska exchanges had broadband infrastructure in place.

On January 18, 2006, the Commission issued an order to update the broadband information previously collected. A report based upon the information submitted by telecommunications providers eligible to receive universal service funding (56 providers responding) was accepted by the Commission on July 25, 2006. The report identified that all 93 Nebraska counties had Broadband Access (≥ 200 kbps) through at least one modality (cable modem, DSL, satellite, fixed wireless). In addition, the 535 incorporated places in Nebraska (as defined by the Nebraska Department of Economic Development) all had internet access at some speed and 488 (91.6%) had Broadband Access (≥ 200 kbps) in both directions through at least one modality.

On September 23, 2006, after a workshop was held to investigate alternative methods of collecting data and how to account for the variances in geopolitical areas by which data is reported, the Commission issued an order to again update the broadband information previously collected. The Commission required telecommunications carriers eligible to receive universal service funding to respond to the data request and made a concentrated effort, using various methods and information sources, to identify other possible providers of internet access and included them in the data request. As a result of this effort 96 providers responded to the Commission request and provided data. In the February 2007 report a change was made in the data collection method to use population centers associated with ZIP codes. This resulted in data being collected on 577 population centers instead of the previous 535 centers. The change in the data collection method and the increased participation of service providers provided improved data indicating that 542 (93.9%) of the 577 population centers, which accounted for 99.7% of the state's population, had access to the internet at speeds greater than 200 kbps in both directions through one or more modalities.

Based upon our prior data collection efforts, we feel that there will be an increased comfort in the industry that the data collected in this new effort will be used for its intended purposes. In our opinion, based on the staff effort involved in collecting the data, preparing the two broadband survey reports and the relevance to the verification of any new data, the surveys should be valued at \$50,000 for purposes of meeting our in-kind match provision.

The Nebraska Unicameral Legislature enacted LB 645 in 2005 to create the Broadband Services Task Force. The goal of the task force was to provide an analysis of the geographic areas in which broadband services, Internet services, telecommunications services, and video services are being deployed in the state. A final report of the Task Force was published in November 2006. The Legislature appropriated \$200,000 to aid in carrying out the provisions of this Legislative bill. This effort also should be considered as an in-kind contribution from the State towards the match provision of the grant.

(b) Applicant Capacity, Knowledge and Experience

The NPSC will rely heavily on the knowledge and experience of its contractor for this project. The NPSC is using a fair and open RFP process so that an experienced contractor will be selected. Once that selection process is made, the NPSC will oversee the process and will require its contractor to follow all technical specifications detailed in the Technical Appendix. The NPSC will also require the contractor to follow the formatting requirements for submission of the requested information to NTIA so that NTIA can easily blend the data for Nebraska's statewide broadband map into the national map.

Broadband Service Availability In Provider's Service Area

If an award is received, the NPSC will use contracted resources to provide the NTIA with a list of all census blocks where broadband service is available to end users in the search area for each facilities-based provider of broadband services to specified end-user locations in the state. For census blocks larger in area than two square miles, the NPSC will require its contractor to provide a list of all street segments with address ranges in each of these census blocks, as contained within the U.S. Census Bureau's TIGER/Line Files or such other database of at least equivalent granularity, in which broadband service is available to end users, along with the associated service characteristics identified in the Technical Appendix. Such information will be provided to NTIA in conformance with the Technical Appendix.

In addition, the NPSC has the ability to use past broadband data collected, GIS mapping data, and Form 477 data in the verification process. The NPSC has a familiarity with most of the providers in the state and a general working knowledge of where broadband is being deployed. The NPSC has been receiving disaggregated Nebraska Form 477 data beginning with the sixteenth round data set (June 30, 2007). The NPSC also possesses experience and knowledge with GIS mapping software and data, and can provide resources to assist the contractor in providing GIS map layers on an address level basis. However, because of the condensed time frame involved, the NPSC will primarily rely on the ability and experience of its contractor to perform the required data collection and verification.

Residential Broadband Service Pricing in Provider's Service Area

Consistent with the clarification of the technical requirements in the NOFA, the NPSC understands it would no longer be required to provide the average revenue per end-user (ARPU) data from broadband providers. If the NPSC is required to collect pricing information, it will require its contractor to collect such data consistent with NTIA's requirements. The NPSC will provide the weighted average speed reported across a provider's service or local franchise area, by Metropolitan or Rural Statistical Area. The NPSC has taken steps to inform broadband providers that it may soon be

seeking collection of data through a contractor. The NPSC has committed to working with providers to the extent it may be helpful to facilitate this process.

Broadband Service Infrastructure in Provider's Service Area

In addition, pursuant to the NTIA's requirements, the NPSC will provide information regarding middle-mile and backbone interconnection points. The NPSC understands from the clarification to the Technical Appendix that it is no longer required to report the data identified on last-mile connection points. However, the NPSC will be prepared to conduct verification of first points of aggregation in the networks used by facilities-based providers.

The NPSC has knowledge in relation to some provider's networks through past surveys, GIS data collected from the E-911 program, its oversight of statewide Telehealth fund program; and through other projects in which it has been involved. The NPSC, in conjunction with its contractor, will collaborate with the providers and obtain the required information. The NPSC also plans to collaborate with other state agencies, the office of the Chief Information Officer, statewide technology panels, and higher level educational institutions to complete this requirement.

Community Anchor Institutions

The NPSC has the ability and expertise to provide NTIA with a list of community anchor institutions, such as primary and secondary educational facilities, libraries, health care facilities, and public safety entities. The NPSC also facilitates the meetings of a state universal service fund advisory board where leaders from the educational, health care and library community meet to discuss statewide access to telecommunications and information services at reasonable rates. In terms of health care, the NPSC oversees the operation of a statewide Telehealth network that connects critical access hospitals to urban areas in the state. The NPSC's universal service fund program supplements the federal universal service fund for health care access by making \$900,000 available per year for the statewide Telehealth network.

The NPSC will work with the contractor to gather this information so that the contractor can map this information on a street address basis. The NPSC will expect the contractor to produce this information to NTIA. This information will be submitted in a tab-delineated text file using the format detailed in Appendix A, Part 4.

3. EXPEDIENT DATA DELIVERY

The NPSC's RFP references the terms of the NOFA in relation to the timeline for data delivery. Since the contractor will most likely be commencing the collection and verification project in October the likelihood of having a substantially complete set of availability data by November 1, 2009 may be a concern. However, time will be of the essence in the contract and a contractor will be chosen in part based on how quickly the availability data set can be delivered to the NPSC and NTIA. The NPSC would anticipate, at the very least, to have the information collected by December 10, 2009. However, the NPSC will make every attempt to have the availability data substantially complete by the end of November. The NPSC will also require the contractor to provide a substantially complete set of all broadband mapping data on or before February 1, 2010 and to complete such data collection by March 1, 2010.

4. PROCESS FOR REPEATED DATA UPDATING

The contractor will be required to update the data on at least a semi-annual basis continuing through June 30, 2011. Specifically, the contractor will be required to update the data before September 2010 and will collect data as of both December 31, 2009 and June 30, 2010. Subsequently, the NPSC's contractor will be required to update the data before March 1, 2011. The NPSC will have an option to renew the contract with its contractor on a yearly basis. If the contract is renewed, then the contractor will be obligated to update the data on a semi-annual basis (by March 1 and September 1 of each year). However, if the contract is not renewed, the NPSC will take on the responsibility, to the best of its ability and resources, to update the data on a semi-annual basis by March 1 and September 1 of each year for the next five years from the date of the award. The NPSC does not know at this time how the updates will take place. It is our preference that the contractor will implement an automated approach. The methods for updating the data may depend greatly on whether it the work is performed by the NPSC's third party contractor or whether the NPSC takes on this responsibility. If the NPSC takes on the role to update the information, it would most likely be a direct-from-provider approach performed through a data request of all providers. If appropriate, the NPSC can provide the NTIA with more specific details on the schedule and method for data updates after a contractor has been obtained.

5. PLANNING AND COLLABORATION

The NPSC seeks an award of \$500,000 for broadband planning. The NPSC plans to collaborate with several partners to identify and address barriers to broadband service availability including: the Nebraska Information Technology Commission, the Department of Economic Development and the University of Nebraska. Through this collaborative process, the NPSC and its partners will identify barriers to the adoption of

broadband service and IT services, create and facilitate local technology planning teams and establish Internet access programs.

Nebraska has both a proven partnership model and process for working with communities and regions to develop technology plans and address technology development. Because of this experience and expertise, Nebraska is a model for other states that are addressing broadband sustainability. The Nebraska Information Technology Commission Community Council (NITC), University of Nebraska - Lincoln (UNL), and Nebraska Department of Economic Development (DED) will cooperatively address the broadband planning needs of Nebraska's communities. See Planning Appendix for more information on the project partners.

Problems to be Addressed

In Nebraska, some areas of the state--primarily in the most rural areas of the state--are underserved or unserved in terms of broadband access. Rural areas of the state also lag in economic development and are experiencing population losses. Additionally, broadband adoption and Internet use in some areas of the state and among certain population groups remains low.

Approach

Project partners will identify barriers to the adoption of broadband and IT services, create and facilitate local technology planning teams, and collaborate with broadband service providers to encourage broadband deployment and use through the following approaches:

- a. Regional planning teams will be formed to conduct regional assessments, prioritize needs, and develop strategies to address needs.
- b. Nebraskans will be surveyed about their computer and Internet usage, challenges and desires for the future.
- c. Regional forums will be conducted to present broadband mapping and mail survey results, to solicit feedback, and to kick off regional planning efforts.
- d. Businesses will be surveyed through the Business Retention and Expansion process to identify the strengths and challenges they face in utilizing technology.
- e. Seven to 10 focus groups will be held with anchor institutions and utility providers as well as populations with low usage rates to gain understanding into the barriers from their perspective.
- f. Use of the Internet and computers will be encouraged through demonstration workshops and training in collaboration with the broadband service providers and information technology companies.
- g. Regional technology plans as well as a statewide report and recommendations will be developed and presented to the Nebraska Information Technology Commission, Nebraska Public Service Commission, Department of Economic

Development and University of Nebraska Lincoln. These plans will be made publicly available through the project website.

a. Regional Planning Teams

Regional planning teams will be formed to conduct regional assessments, prioritize needs, and develop strategies to address needs. Regional coaches will assist planning teams in conducting an in-depth assessment of community assets and needs. Technical assistance regarding infrastructure needs and options to communities will also be available. The planning process and materials have been proven in Nebraska. From 2002-2005, project partners, under the umbrella of Technologies Across Nebraska, helped 21 communities develop local plans to utilize technology to enhance development opportunities. The impact of the program was significant in improving access to broadband services, identifying technology training needs, and jump-starting community technology projects. A detailed workbook will simplify the assessment and planning process for regions. The NITC Community Council will provide advice in updating the workbook and planning materials.

b. Statewide Technology Survey

A mail survey of households will be administered statewide. The proposed sample size will allow regional comparisons to be made. The list of households will be obtained from a marketing firm such as Experian (Lincoln, Nebraska). The questionnaire will solicit a wide range of information from the households including current usage of broadband services and other related information technology services as well as barriers to the adoption of broadband service and other information technology services.

This survey will determine the current utilization of broadband service across the state and in particular regions of the state. Regional comparisons will identify areas with lower utilization rates. The survey will also identify barriers to the adoption of broadband service and other information technology services. This information will be used to develop programs to assist areas with lower levels of broadband deployment.

Once the data are gathered, relatively standard procedures will be used for the analysis. Comparisons of technology use between households of different regions of the state will be made using cross-tabulations and chi-square tests. Additional analyses will be performed as deemed appropriate for the data collected.

In order to get results that can be used across the state, care must be taken during the survey to obtain a representative sample of households in each region. In order to make accurate estimates based on a sample, four requirements need to be met: a sample that is large enough to yield the desired level of precision, everyone in the population has an equal (or known) chance of being selected for the sample, questions are asked in ways that enable respondents to respond willingly and accurately, and the characteristics of non-respondents are similar to the characteristics of those who do respond. See Salant, Priscilla, and Don A. Dillman, *How to Conduct Your Own Survey* (1994). The first

requirement will be met by selecting a sample of households from each pre-determined region that is large enough to permit generalizations to each region. Using a purchased mailing list that is compiled from numerous sources as well as local informants will decrease the potential coverage error discussed in the second requirement. Pre-testing the survey instrument before final implementation will determine if questions are appropriately worded. Finally, every effort will be made to achieve a high response rate to insure that all key groups of households respond to the survey. Using carefully timed and personalized correspondence following Dillman's Total Design Method are some of the efforts that will be made (Salant and Dillman, 1994).

c. Regional Forums

Project partners will work with regional planning teams to host seven community forums to present broadband mapping data and mail survey results, to solicit feedback, and to kick off regional planning efforts. Efforts will be made to bring the low income, unemployed, unserved clientele including tribal organizations to the table so their voices are heard and their technological needs are included in community plans. These regional and community forums will begin to identify a broad vision for the adoption of broadband technology, using an Appreciative Inquiry or other outcome-based approach. The forums and the regional planning process will focus on overcoming the barriers and discovering how stimulating broadband development and access can enhance economic development opportunities.

d. Business Survey

Businesses will be surveyed through the Department of Economic Development's Business Retention and Expansion (BRE) program. This program gathers extensive detail about businesses across state and learns of strengths and challenges and also highlights how they are utilizing technology in their business. The BRE program is one of the most important programs for economic developers across the state to manage in their areas as a great amount of detail about a business or industry segment can be learned.

The Department of Economic Development surveys more than 400 businesses in detail per year. With additional support and outreach through this program, many more businesses can be reached. The Department of Economic Development uses a web-based program to aggregate and manage the data. The program allows for business environment benchmarking, as well as the ability to continually update information for a business. The survey instrument collects a variety of information from company detail, products/services, market information, industry detail, management, workforce, technology, utility services, quality of life and community services. A portion of the planning funds will be used to purchase additional program licenses for communities and counties to provide a larger snapshot of business strengths and weaknesses across the state. Once the product is purchased, it is an ongoing process with notes and follow-up surveys. In the survey currently there are six questions and comments related to

technology and broadband utilization. With additional funds available, we propose to include up to five more questions that relate to broadband, demand, deployment, adoption, and sustainability. The continuous collection of BRE data will highlight new economic opportunities in real time through a variety of reporting and comparison metrics within the system. For example, BRE data may highlight the enhancement of new market potential or new business activities leveraged through broadband infrastructure.

e. Focus Groups

Focus groups will be held with community anchor institutions such as libraries, health care providers, schools, public safety entities, local governments, community colleges, and utility providers to gain a better understanding of their needs and any barriers they face. Additional focus groups will be held to identify the needs of populations with low usage rates especially in tribal areas and regions in which there are significant minority populations. The focus group questions will be designed to complement the mail survey and provide greater understanding into how technology is being utilized as well as the barriers organizations face. The focus group process will follow widely accepted guidelines provided by Krueger (1994). See Krueger, R., *Focus Groups A Practical Guide for Applied Research* (2nd ed.) Thousand Oaks: Sage Publications (1994).

f. Encouraging Broadband Use through Demonstration Workshops and Training Sessions

In order for the communities and businesses to fully understand online applications and how they fit into their daily lives, demonstration workshops and training sessions will be provided. As technology skills are enhanced, community members will be better able to ask additional questions and engage in online activities that will help with workforce development, job skills, market analysis, feasibility determination, and communications. Once community members discover what is available, they will expect and demand more.

Train the Trainer workshops will be organized to train staff from libraries, DED, UNL Extension in the use of online applications so they can use the mobile labs to teach these applications to businesses and communities. These demonstration workshops will show how online tools can be used at home, school, or at work. Nebraska will utilize best practices in demonstrating how access to broadband can provide for greater economic development possibilities to communities and how businesses will have a broader market base to access. These demonstrations can take place at various locations throughout the communities and as part of any discussion involving educating on the use of broadband technologies. At critical community facilities, mobile labs with netbooks/mini's will be used for education on the barriers to adoption and sustainability of broadband access. Broadband providers and technology companies will be partners in promoting and providing training. The BIT Mobile, a mobile computer training lab, can

also be used. The Nebraska Telecommunications Association has supported the BIT Mobile and other training efforts in the state.

Additional sessions will be organized through the use of Adobe Connect - the University of Nebraska's webinar system to deliver information via broadband on the use of online applications. Six sessions will be scheduled. Topics will be chosen based on survey results, community forum discussions, and focus groups.

Research by the University of Nebraska Lincoln and Department of Economic Development has also highlighted how technology can attract new residents to rural and isolated communities. Communities that have been able to enhance their technology infrastructure have had success at attracting new businesses and are beginning to have success in attracting new residents. Part of the demonstrations will include building an awareness of ways communities can utilize technology to attract and retain new residents.

g. **Regional Technology Plans and Statewide Report and Recommendations**

The project manager will work with the regional coaches and planning teams to develop regional technology plans summarizing their assessments, prioritization of needs, and strategies to address these needs. The NITC Community Council and project partners will assist the project manager in developing a statewide report and recommendations. The seven regional technology plans, and the statewide report and recommendations will be presented to the NPSC, the Nebraska Information Technology Commission Community Council, Nebraska Department of Economic Development, and University of Nebraska Lincoln. The plans, reports, and survey data will be publicly available from the project website.

Anticipated Outcomes

Anticipated outcomes of the program include:

- Seven regional plans and a statewide report and recommendations will be developed.
- Broadband access and use will increase.
- Community and state decision makers will be better informed about broadband access and use.
- Community members and businesses will become more aware of technology and will improve their technology skills.
- Community and economic development opportunities will be enhanced.

Evaluation

The project will be evaluated using several methods:

- Broadband data mapping will be used to track improvements in broadband access.
- Business use of technology will be tracked using data from Business Expansion and Retention surveys.
- Regional coaches will prepare quarterly progress reports documenting their activities and outcomes.
- Participants in training sessions and webinars will complete questionnaires on the effectiveness of the training. The number of training sessions and participants will be tracked.

Proposed Project Timeline

September 2009

Awards announcement

Begin selecting communities to receive BRE software licenses

October-December 2009

Develop survey questions

Conduct survey

Hire project manager

Revise planning materials

Purchase BRE software licenses

Conduct training on use of BRE software

January-March 2010

Analyze survey results

Organize regional planning teams

Hire regional coaches

Finalize planning materials

Begin gathering BRE data

April 2010

Review initial broadband mapping data

Hold community forums

Plan focus groups

Begin regional assessment process

Publish survey results

Continue to collect BRE data

May – August 2010

Conduct regional assessments

Conduct focus groups

Purchase netbooks for mobile training labs

Continue to collect BRE data

September – October 2010

Finish regional assessments
Partner with broadband providers on training sessions to encourage broadband use
Continue to collect BRE data

November-December 2010

Develop regional plans
Partner with broadband providers on training sessions to encourage broadband use
Continue to collect BRE data

January-March 2011

Develop statewide report and recommendations
Partner with broadband providers on training sessions to encourage broadband use
Work with regional planning teams to begin implementing plans
Continue to collect BRE data

April 2011

Present statewide report and recommendations to NITC, PSC, and DED
Partner with broadband providers on training sessions to encourage broadband use
Work with regional planning teams to begin implementing plans
Continue to collect BRE data

May-August 2011

Partner with broadband providers on training sessions to encourage broadband use
Work with regional planning teams to begin implementing plans
Conduct program evaluation
Continue to collect BRE data

Proposed Planning Project Budget

A. Salaries and Wages

1. Senior Personnel

a. (Co)-PD(s)

PD Hancock -8% (1 months) time commitment per year salary compensation year 1 = \$7,210 [total project salary compensation = \$7,210]

Duties include: Development and implementation of the focus group component and the regional forums. Collaboration with strategic team on results, reports, publications, and presentations.

PD Narjes – 12.5% (1.5 months) time commitment per year salary compensation year 1 = \$5,265 [total project salary compensation = \$5,625].

Duties include: Development and implementation of the focus group component and the regional forums. Collaboration with strategic team on results, reports, publications, and presentations.

b. Senior Associates

2. Other Personnel (Non-Faculty)

a. Research Associates/Postdoctorates

b. Other Professionals

Project Manager, to be determined: 1:00 FTE (2 years) commitment year 1 salary compensation = \$40,000 and year 2 = \$42,000 [total salary compensation = \$82,000]

Duties include: Project management and organization. Communicating with the regional planning committees and others working on the broadband planning project. A strategic planning committee consisting of representatives from the University of Nebraska, State Department of Economic Development and the Nebraska Information Technology Commission will provide oversight to this position.

Survey Manager Vogt: 33% time (4 months) commitment year 1 salary compensation = \$17,215 [total project = \$17,215]

Duties include: Conduct survey of Nebraskans with specific duties including: sample selection, design of questionnaire, pretesting of questionnaire, supervise mailing of questionnaires, design data entry protocol, supervise data entry and verification, analyze data, report results, assist with writing of publications and presentation review

Regional Coaches: 10% time (1.2 months) commitment year 1 salary \$4,000 each for the 7 regions = \$28,000 year 1, 10% time (1.2 months) commitment year 2 salary \$4,000 each for the 7 regions = \$28,000. [Total Regional Coaches = \$56,000].

c. Paraprofessionals

d. Graduate Students

e. Prebaccalaureate Students

f. Secretarial-Clerical

For mail survey year 1:

On-Call Worker wages for mailing and data entry work (475 hours @ \$7.25/hour) - \$3,444 [total project = \$3,444]

g. Technical, Shop, and Other

B. Fringe Benefits

1.a. Senior Personnel

PD Hancock benefits at 28% year 1 = \$2,109 [total project = \$2,019]

PD Narjes benefits at 28% year 1 = \$1,575 [total project = \$1,575]

2.b. Other Professionals

Project Manager benefits as managerial professional at 28% year 1 = \$11,200 and year 2 = \$11,760 [total project = \$22,960]

Survey Manager benefits as managerial professional at 28% year 1 only = \$4,820 [total project \$4,820]

C. Total Salaries, Wages, and Fringe Benefits (A plus B)

D. Nonexpendable Equipment

E. Materials and Supplies

Materials and Supplies related to Program Manager

Telephone – \$60 monthly cost x 12 months- \$720 yr 1 and \$720 yr 2

Internet access - \$15 monthly cost x 12 months - \$180 year 1 and \$180 year 2

Postage - \$250 a year for a total of \$500.

Offices supplies & copying –

\$50 per month x 12 months for office supplies and copying year 1= \$600

\$50 per month x 12 months for office supplies and copying year 2= \$600

Mail survey costs (6600 sample survey) year 1:

Stationary for 4 mailings - \$1,590

Postage for 4 mailings and business reply returns - \$10,262

Copy costs for survey booklets and postcards - \$6,691

Mailing list cost and miscellaneous supplies (mailing labels, toner cartridges, etc.) - \$874

Conference calls with Technology Community Council and Strategic Team Leaders in development and planning of the mail survey – 6 x \$50 for total of 300 year 1

Webinars to share results to regional planning committees – 4 at \$250 each for a total of \$1,000 year 1.

Business Retention and Expansion License Fees

27 web-based business and retention licenses to gather extensive detail about businesses across the state in particular how they are utilizing technology in their business at \$3,600 for each license for a total of \$97,200. [Total = \$97,200.]

Regional Forum Materials and Supplies, year 1

Coffee, Tea or water available at each of 7 forums. Estimate \$150.00 at each location for a total of \$1,050. [Total = \$1,050]

Conference calls for regional forums and preparation = 7 x 50 = \$350 year 1. [Total = \$350]

Focus Group Materials and Supplies year 1

Incentive for attending focus group interview – \$50 x 8 participants = \$400 per session x 5 sessions = \$1600 [Note: A monetary incentive of \$50 will be given to each participant to help defray transportation costs and to indicate that their opinions have value when the focus group is designed to bring in individuals not normally represented].. [Total = \$1,600]

Beverage/snack for attendees – 10 focus groups with 8 participants x \$5 = \$400. [Total = \$400]

Conference calls for regional forums and preparation = 7 x 50 = \$350 year 1 [Total = \$350]

Community Planning Materials and Supplies

Conference calls related to creating the plan and train-the trainer session. 14 x 50 = 700. [Total=\$700]

Beverage/snack for train the trainer sessions – 14 participants x 5 = \$70

Demonstration Materials and Supplies

6 webinars x 250 = \$1,500

F. Travel

* all travel is by car unless otherwise noted, current state mileage rate is = 55 cents

- Program Manager Related Travel to meet with regional planning committees once a year. Mileage estimate with suggested sites for budget planning purposes across Nebraska:

	Mileage	Hotel	Meals & Misc
Norfolk - 127	140	100	25
Lincoln			
Kearney - 132	145	100	25
North Platte - 227	250	100	25
Omaha - 60	66		
Scottsbluff - 420	462	100	25
Ainsworth - 276	304	100	25
	1,366	500	125

Total travel year 1 = \$1,991 and year 2 = 1991 for a total of \$3882.

- Survey manager related travel in conducting Statewide survey.
Pierce – Lincoln 290 miles round trip x 3 = 870 miles x. 55 for a total of \$, 2 nights lodging @ \$80 for a total of \$160.00 and food and miscellaneous at = \$20 for a total of \$40.00. Year 1 total = \$679.
- Focus Group Travel Costs – Costs are based on one person traveling from Lincoln, Nebraska and one from Sidney, Nebraska. For planning purposes, sites are selected in various regions across the state.

From Lincoln, Nebraska to site total \$1991.

	Mileage	Hotel	Meals & Misc
Norfolk - 127	140	100	25
Lincoln			
Kearney - 132	145	100	25
North Platte - 227	250	100	25
Omaha - 60	66		
Scottsbluff - 420	462	100	25
Ainsworth - 276	304	100	25
	1,366	500	125

From Sidney, Nebraska to site total year 1 = \$2672.

	Mileage	Hotel	Meals & Misc
Norfolk - 475	523	100	25
Lincoln -350	193	100	25
Kearney - 218	240	100	25
North Platte - 123	135	100	25
Omaha - 410	451		
Scottsbluff - 70	77	100	25
Ainsworth - 275	304	100	25
	1,922	600	150

Total travel costs related to regional forums - \$4,663 year one

- Regional Forum Travel Costs – Costs are based on one person traveling from Lincoln, Nebraska and one from Sidney, Nebraska. For planning purposes, sites are selected in various regions across the state.

From Lincoln, Nebraska to site total \$1991.

	Mileage	Hotel	Meals & Misc
Norfolk - 127	140	100	25
Lincoln			
Kearney - 132	145	100	25
North Platte - 227	250	100	25
Omaha - 60	66		
Scottsbluff - 420	462	100	25
Ainsworth - 276	304	100	25
	1,366	500	125

From Sidney, Nebraska to site total year 1 = \$2672.

	Mileage	Hotel	Meals & Misc
Norfolk - 475	523	100	25
Lincoln -350	193	100	25
Kearney - 218	240	100	25
North Platte - 123	135	100	25
Omaha - 410	451		
Scottsbluff - 70	77	100	25
Ainsworth - 275	304	100	25
	1,922	600	150

Total travel costs related to regional forums - \$4,663 year one

- Community Planning Travel Costs – Costs are based on one person traveling from Lincoln, Nebraska and one from Sidney, Nebraska. For planning purposes, sites are selected in various regions across the state.

From Lincoln, Nebraska to site total \$1991 for Community Planning Lead, year 2

	Mileage	Hotel	Meals & Misc
Norfolk - 127	140	100	25
Lincoln			
Kearney - 132	145	100	25
North Platte - 227	250	100	25
Omaha - 60	66		
Scottsbluff - 420	462	100	25
Ainsworth - 276	304	100	25
	1,366	500	125

Travel for individuals to participate in the Train the Trainer, 2,672 year 2

	Mileage	Hotel	Meals & Misc
Norfolk - 127	140	100	25
Lincoln			
Kearney - 132	145	100	25
North Platte - 227	250	100	25
Omaha - 60	66		
Scottsbluff - 420	462	100	25
Ainsworth - 276	304	100	25
	1,366	500	125

Total Community Planning travel – year 2 = \$3,982. Total = \$3,982.

- Demonstration and Training Travel Costs – Costs are based on the general locations identified and used earlier in the process. For planning purposes, sites are selected in various regions across the state with an expectation of going to each site twice within the two year period.

From Lincoln, Nebraska to site total

	Mileage	Hotel	Meals & Misc
Norfolk - 127	140	100	25
Lincoln			
Kearney - 132	145	100	25
North Platte - 227	250	100	25
Omaha - 60	66		
Scottsbluff - 420	462	100	25
Ainsworth - 276	304	100	25
	1,366	500	125

Travel for individuals to demonstrate technology usage. \$1,991 year 1 and year 2 [Total = 3982]

G. Publication Costs/Page Charges

Estimated graphics development, web and print media development = \$1,500 per year for a total of \$3,000

H. Computer (ADPE) Costs

Program Manager Computer and Software - \$2,000 one time fee

Demonstration: Net books – one lab per 7 regions - \$400 per net book x 6 books = \$2,400 per region x 7 regions = \$16,800. Total Cost for net books = \$16,800.

I. Student Assistance/Support

J. All Other Direct Costs

Contractual work for technical support needed outside of the expertise of those working immediately on the project. Scope and need to be determined. The expertise needed is unknown until an analysis of the results is completed. Cost is estimated at: \$10,000 year 1 and 10,000 year 2.

K. Total Direct Costs (C through J)

L. F&A /Indirect Costs (If applicable, specify rate(s) and base(s) for on/off campus activity. Where both are involved, identify itemized costs included in on/off campus bases.)

The F&A rate is figured at 26% off campus rate as per the OMB Circular. The lead PI, Connie Hancock, is based at a county extension office, and the project will be performed at non-UNL locations around the state.

M. Total Direct and F&A/Indirect Costs (K plus L) \$498.023

N. Other – N/A

O. Total Amount of this Request - \$498,023

P. Carryover – N/A

Q. Cost-Sharing/Matching (Breakdown of total amounts shown on line O)

The match is collaborative in nature as there is support from the University of Nebraska as well as the State of Nebraska. To complete this broadband planning project, there will be many other contributions outside of the identified match. Per the federal register the match is 20% and our identified match is \$104,062 or 20.9%. The breakdown of cost share includes:

University of Nebraska employee Connie Hancock, 25% of salary year 1 and 15% of salary year 2, less amount paid by grant for a total of \$35,069.

University of Nebraska employee Charlotte Narjes, 25% of salary year 1, 20% of salary year 2, less amount paid by grant for a total of \$18,081.

Intern/Grad Assistant, to be hired, \$15,000 to support from a State of Nebraska NITC grant to the University of Nebraska (state funded project) in support of the Websites for Growth project which is directly related to the Broadband proposal and the demonstration/awareness section of this proposal. Total \$15,000.

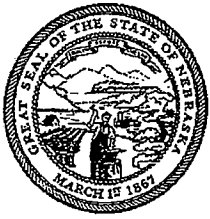
Day long educational training for those teaching Websites for Growth supported by the State of Nebraska NITC grant. Curriculum will be revised to support the Broadband Initiative. Travel for this train-the-trainer program as well as travel for the trainers to location will be supported by this grant for a total of \$8,500.

Third party share from the State of Nebraska NITC employee Anne Byers, 5% of salary year 1 and 5% salary year 2 for a total of \$7,574.

A third party share from the State of Nebraska Department of Economic Development for the annual update/maintenance fee for BR&E software program for \$11,963 and 9 site licenses at \$875 each for \$7,875. Total = \$19,838

D. Nonexpendable Equipment

There is not any expendable equipment.



Dave Heineman
Governor

STATE OF NEBRASKA

OFFICE OF THE GOVERNOR
P.O. Box 94848 • Lincoln, Nebraska 68509-4848
Phone: (402) 471-2244 • gov.heineman@gov.ne.gov

COPY

August 12, 2009

Mr. Lawrence E. Strickling
Assistant Secretary for Communications and Information
National Telecommunications and Information Administration
Herbert C. Hoover Building (HCHB)
U.S. Department of Commerce/NTIA
1401 Constitution Avenue, N.W.
Washington, D.C. 20230

Dear Mr. Strickling:

The Nebraska Public Service Commission, an agency of the State of Nebraska, shall serve as the single entity designated by the State of Nebraska to receive a grant under the State Broadband Data and Development Grant Program pursuant to P.L. 110-385, the Broadband Data Improvement Act. (BDIA section 106 (i) (2) (B), 122 Stat. at 4102).

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink that reads "Dave Heineman".

Dave Heineman
Governor

CC: Frank Landis; Chairman, Nebraska Public Service Commission

Nebraska Public Service Commission

COMMISSIONERS:

ANNE C. BOYLE
ROD JOHNSON
FRANK E. LANDIS
TIM SCHRAM
GERALD L. VAP



300 The Atrium, 1200 N Street, Lincoln, NE 68508
Post Office Box 94927, Lincoln, NE 68509-4927
Website: www.psc.state.ne.us
Phone: (402) 471-3101
Fax: (402) 471-0254

NEBRASKA CONSUMER HOTLINE:
1-800-526-0017

EXECUTIVE DIRECTOR:
MICHAEL G. HYBL

Mapping Appendix B

August 11, 2009

Re: Broadband Data Improvement Act (BDIA) and collection of broadband data

Dear Broadband Provider:

This letter is to inform you that the Nebraska Public Service Commission (Commission) is the designated entity in Nebraska to seek grant funding pursuant to the Broadband Data Improvement Act (BDIA) which became law on October 10, 2008. The provisions of the Broadband Data Improvement Act require the development of a comprehensive, interactive national broadband map. Each state is given the opportunity to assist the federal government in the mapping process. The American Recovery and Reinvestment Act (Recovery Act) authorizes the National Telecommunications and Information Administration (NTIA) to spend \$350 million to make the national broadband map accessible by the public on an NTIA website no later than February 17, 2011. Between July 14, 2009 and August 14, 2009, states may apply for grant awards for a statewide broadband mapping program which will gather data and develop maps which will then be assimilated into a national broadband map. If a state is not granted an award, the NTIA will acquire a contractor to step in and do the broadband mapping for that state.

The Commission is preparing an application for grant funds to complete the statewide broadband collection and mapping project for Nebraska. If the Commission is awarded grant funds for this purpose, it will be using a third party contractor to collect, verify and map broadband data. This contractor will be subject to the oversight of the Commission consistent with the terms and conditions contained in our agreement while performing the activities detailed in our Request for Proposals (RFP). We will require that the contractor keep the broadband data collected confidential pursuant to the requirements developed by the NTIA and applicable federal law. The Commission will also be subject to the NTIA's confidentiality requirements.

The time frame for broadband collection and mapping is very short. States are required to apply for funds no later than August 14, 2009. NTIA will announce awards around September 15,

2009. The NTIA is asking that a comprehensive data set be collected by the states and turned over to NTIA by November 1, 2009. In addition, a substantially complete statewide broadband map is required to be provided to NTIA by February 1, 2010 with a complete set of all mapping data to be provided by March 1, 2010.

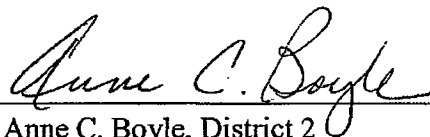
Since the time frame to collect, verify, and map the broadband data will be extremely condensed (our selection of a contractor per the RFP will occur in early October), irrespective of whether the state is involved or NTIA performs the mapping, the Commission asks broadband providers to begin making preparations for the provision of this data to the extent that they are able to do so. Broadband service availability, and the specific metrics identified in the Technical Appendix as amended, will need to be collected by census blocks and in some cases by street segment where the census block is larger in area than two square miles. The complete NOFA and technical appendix can be found at http://www.ntia.doc.gov/frnotices/2009/FR_BroadbandMappingNOFA_090708.pdf.

We understand that you may not have collected this data in the past, and that it will be a challenge to put this type of information together in such an abbreviated time frame. However, we ask you to make preparations to develop this data set. If you have questions on how the data should be collected and provided, or if you have concerns about the process, please do not hesitate to contact our office. We hope that this will continue to be a collaborative process and that by working together we can accomplish the goals of the Broadband Data Improvement Act.

Sincerely,



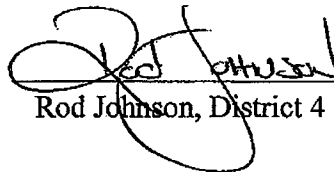
Frank Landis, District 1
Chairman



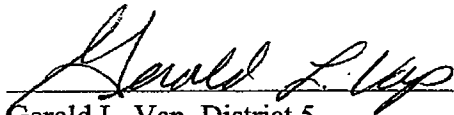
Anne C. Boyle, District 2



Tim Schram, District 3



Rod Johnson, District 4



Gerald L. Vap, District 5
Vice-Chair

Mapping Appendix C

**Broadband Mapping - Grant Application
Budget Information**

Section B - Budget Categories	10/1/2009- 9/30/2010	10/1/2010 9/30/2011	10/1/2011 9/30/2012	10/1/2012 9/30/2013	10/1/2013 9/30/2014	<u>Total</u>
	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	
6. Object Class Categories						
a. Personnel	76,051	30,901	31,519	32,150	32,793	203,414
b. Fringe Benefits	21,020	9,392	9,492	9,593	9,697	59,194
c. Travel	2,500	2,500	1,000	1,000	750	7,750
d. Equipment						
(1) Hardware - 100% devoted to Mapping Program			25,000			25,000
(2) Software			5,000			5,000
(3) ESRI Software	20,000					20,000
(4) Software Maintenance		7,500	7,500	7,500	7,500	30,000
e. Supplies	600	600	600	600	600	3,000
f. Contractual						
(1) Vendor Broadband Mapping Charges	1,625,000	930,000	125,000	125,000	125,000	2,930,000
(2) Third Party Data Verification	300,000					300,000
(3) State Auditor Provision	1,000	1,000	1,000	1,000	1,000	5,000
g. Construction						
h. Other						
(1) Attorney General estimated cost of litigation on compliance.	200,000					200,000
(2) Postage	600	600	600	600	600	3,000
(3) Copy Charges	600	600	600	600	600	3,000
(4) Communications	250	250	250	250	250	1,250
(5) Collaborative planning project involving NITC, University of Nebraska, and Dept. of Economic Development.	287,421	107,835				395,256
i. Total Direct Charges	2,535,042	1,091,178	207,561	178,293	178,790	4,190,864
j. Indirect Charges	74,729	28,037				102,766
k. Totals	2,609,771	1,119,215	207,561	178,293	178,790	4,293,630

Section C - Non-Federal Resources

	<u>(a) Grant Program</u>	<u>(b) Applicant</u>	<u>(c) State</u>	<u>(d) Other</u>	<u>(e) Totals</u>
9	Pre-Award In-Kind Services NITC/University Portion	17,600		104,062	17,600 104,062
10	GIS Database Information	6,806,000			6,806,000
11	State Broadband Surveys	50,000			50,000
	Broadband Task Force Report		<u>200,000</u>		<u>200,000</u>
12	Total	6,873,600	200,000	104,062	7,177,662

	Total	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Section D - Forecasted Cash Needs	<u>1st Year</u>	<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>
13. Federal	2,609,771	722,193	767,193	597,193	523,192
14. Non-Federal	<u>7,177,662</u>	<u>1,794,416</u>	<u>1,794,416</u>	<u>1,794,415</u>	<u>1,794,416</u>
15. Total	9,787,433	2,516,608	2,561,608	2,391,608	2,317,608

Section E - Budget Estimates of Federal Funds Needed for Balance of the Project

<u>(a) Grant Program</u>	Future Funding Periods (Years)			
	<u>(b) First</u>	<u>(c) Second</u>	<u>(d) Third</u>	<u>(e) Fourth</u>
20. Total				

Section F - Other Budget Information-

21. Direct Charges	4,190,864	22. Indirect Charges	102,766
23. Remarks:			

	Total 1st Year	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	
Forecasted Cash Needs:						
Personnel	76,051	19,013	19,013	19,013	19,013	
Fringes	21,020	5,255	5,255	5,255	5,255	
Travel	2,500	625	625	625	625	
Equipment	20,000		20,000			
Supplies	600	150	150	150	150	
Contractual						
Mapping Vendor	1,625,000	406,250	406,250	406,250	406,250	
Data Verifier	300,000	150,000	150,000			
State Auditor	1,000				1,000	
Other						
Attorney General	200,000	50,000	75,000	75,000		
Postage	600	150	150	150	150	
Copy charges	600	150	150	150	150	
Communications	250	63	63	63	63	
Totals	2,247,621	631,655	676,655	506,655	432,655	2,247,621
University	287,421	71,855	71,855	71,855	71,855	287,421
	<u>74,729</u>	<u>18,682</u>	<u>18,682</u>	<u>18,682</u>	<u>18,682</u>	<u>74,729</u>
Total PSC & University	2,609,771	722,193	767,193	597,193	523,193	2,609,771

GIS Database Information-

2,100,000	Data Development-embedded costs
1,280,000	Embedded cost of 4 year of Maintenance
	Cost Model Proposed Payments to PSAPs for GIS:
989,000	Year 2010
834,000	Year 2011
760,000	Year 2012
730,000	Year 2013
	GIS Repository:
95,000	Maintenance-embedded
18,000	1 year of Maintenance
6,806,000	Total In-Kind

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 4040-0006
Expiration Date 07/30/2010

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. Mapping	11.558	\$	\$	\$ 3,795,607.00	\$ 4,062,600.00	\$ 7,858,207.00
2. Planning	11.558			498,023.00	104,062.00	602,085.00
3.						
4.						
5. Totals		\$	\$	\$ 4,293,630.00	\$ 4,166,662.00	\$ 8,460,292.00

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Mapping	(2) Planning	(3)	(4)	
a. Personnel	\$ 203,414.00	\$ 171,494.00	\$	\$	\$ 374,908.00
b. Fringe Benefits	59,193.00	31,374.00			90,567.00
c. Travel	7,750.00	21,951.00			29,701.00
d. Equipment	80,000.00	18,800.00			98,800.00
e. Supplies	3,000.00	131,637.00			134,637.00
f. Contractual	3,235,000.00				3,235,000.00
g. Construction					
h. Other	207,250.00	20,000.00			227,250.00
i. Total Direct Charges (sum of 6a-6h)	3,795,607.00	395,256.00			\$ 4,190,863.00
j. Indirect Charges		102,767.00			\$ 102,767.00
k. TOTALS (sum of 6i and 6j)	\$ 3,795,607.00	\$ 498,023.00	\$	\$	\$ 4,293,630.00
7. Program Income	\$ 0.00	\$ 0.00	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. Pre-Award In-Kind Services; NITC, University Portion	\$ 17,600.00	\$	\$ 104,062.00	\$ 121,662.00	
9. GIS Database Information	6,806,000.00			6,806,000.00	
10. State Broadband Surveys Broadband Task Force Report	50,000.00	200,000.00		250,000.00	
11.					
12. TOTAL (sum of lines 8-11)	\$ 6,873,600.00	\$ 200,000.00	\$ 104,062.00	\$ 7,177,662.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 2,609,771.00	\$ 722,193.00	\$ 767,193.00	\$ 597,193.00	\$ 523,192.00
14. Non-Federal	\$ 7,177,662.00	1,794,416.00	1,794,416.00	1,794,415.00	1,794,415.00
15. TOTAL (sum of lines 13 and 14)	\$ 9,787,433.00	\$ 2,516,609.00	\$ 2,561,609.00	\$ 2,391,608.00	\$ 2,317,607.00
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)	\$	\$	\$	\$	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: 4190865		22. Indirect Charges: 102766			
23. Remarks:					

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