OMB Number: 4040-0004
Expiration Date: 04/31/2012

Application for Federal Assistance SF-424

Version 02

*1. Type of Submission	*2. Type of Application	*If Revision, select appropriate letter(s):
☐ Preapplication	☐ New	A, C
☑ Application	☐ Continuation	* Other (Specify)
☐ Changed/Corrected Application	☑ Revision	A, C

*3. Date Received: 4. Application Identifier:

5a. Federal Entity Identifier:	*5b. Federal Award Identifier:
	40-50-M09059

State Use Only:

6. Date Received by State:	7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: State of Oklahoma

* b. Employer/Taxpayer Identification Number (EIN/TIN):	*c. Organizational DUNS:
73-6017987	809929821

d. Address:

*Street1: 2300 N Lincoln Boulevard
Street 2:
*City: Oklahoma City
County:
*State: OK: Oklahoma
Province:
Country: USA: United States *Zip/ Postal Code: 73105-4801

e. Organizational Unit:

Department Name:	Division Name:
Office of State Finance	Information Services

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

Prefix: Mr. First Name: Joseph
Middle Name:
*Last Name: Fleckinger
Suffix:

Title: Deputy Director of Information Technology

Organizational Affiliation:

*Telephone Number: 405-522-4026 Fax Number: 405-522-3042

*Email: joe.fleckinger@osf.ok.gov

OMB Number: 4040-0004
Expiration Date: 04/31/2012

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:

- Select One -

Type of Applicant 3: Select Applicant Type:

- Select One -

*Other (specify):

*10. Name of Federal Agency:
Department of Commerce

11. Catalog of Federal Domestic Assistance Number:

11.558

CFDA Title:

American Recovery and Reinvenstment Act - SBDD - State of Oklahoma

*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.):

State of Oklahoma

*15. Descriptive Title of Applicant's Project:

Oklahoma Broadband Mapping Project

Attach supporting documents as specified in agency instructions.

OMB Number: 4040-0004
Expiration Date: 04/31/2012

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

*a. Applicant OK-005 *b. Program/Project: All

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

17. Proposed Project:

*a. Start Date: 01/01/2010 *b. End Date: 12/31/2014

18. Estimated Funding ($):

*a. Federal	$1,675,300.00
*b. Applicant	$417,442.00
*c. State	
*d. Local	
*e. Other	$154,460.00
*f. Program Income	
*g. TOTAL	$2,247,202.00

***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: Mr. *First Name: Richard

Middle Name:

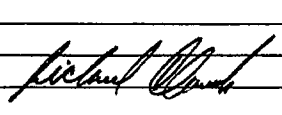
*Last Name: Clark

Suffix:

*Title: Operations and Applications Manager

*Telephone Number: 405-522-4971 Fax Number: 405-522-0205

*Email: richard.clark@osf.ok.gov

*Signature of Authorized Representative:  Date Signed: 7/29/2010

OKLAHOMA BROADBAND MAPPING PROJECT ABSTRACT
DATA COLLECTION, INTEGRATION, VERIFICATION AND DISPLAY
Amended or Supplemental SBDD Application – July 1, 2010

Oklahoma is comprised of vibrant cities and towns while remaining substantially rural throughout the majority of its seventy-seven counties. Access to technology for the provision of enhanced education, healthcare and emergency services plus job growth and development, have long been identified as one of the most essential tools a community must have to expand its economic potential and community livability. Government and education leaders, the Oklahoma Department of Commerce, state and local Chambers of Commerce, and statewide policy organizations are unanimous in their support for the need to provide a statewide network of easy and accessible broadband.

Oklahoma has received a SBDD grant in the amount of $2,674,856. The Federal share is $2,139,885 and the Applicant share is $534,971. The award includes funding for Broadband Mapping and Planning. The Mapping award of $1,647,085 covers years 2010 and 2011 and the Planning award of $492,800 covers years 2010 thru 2014.

The Oklahoma Broadband Mapping Project, through a partnership with a professional mapping firm, is collecting and compiling the necessary data to identify broadband assets, gaps in broadband services, and opportunities for expansion of broadband services. As the Designated Entity for the State of Oklahoma, the Office of State Finance (OSF) is coordinating the collection of broadband availability data, including speed and type of technology, at a census block level, and for census blocks greater than two square miles, at a road segment level. OSF is also coordinating the collection of broadband adoption information for Community Anchor Institutions.

Oklahoma state agencies also are participating in this project to consolidate and contribute data that is currently available within their respective data bases. This data has created the foundation for this comprehensive mapping effort. State agencies have fiber networks and towers across the state with numerous existing public/private partnerships and some inter-local agreements with local and tribal governments. Key segments of information that were not available to the state were the broadband service areas covered primarily by the private sector. The Oklahoma Broadband Mapping Project is now collecting this information.

Funding this project for three additional years will enable the state to maintain this data up to date as the provision of broadband evolves across the state. It will also fund a project for Address Level Collection in areas greater than two square miles. This project will be conducted by the University of Oklahoma (OU) Center for Spatial Analysis, one of the partner agencies in the Oklahoma Broadband Initiative.

The state is requesting a supplemental SBDD grant in the amount of $3,129,484 to fund three additional years for Data Collection, Integration, Verification and Display. The Federal share requested is $2,321,639 and the Applicant share is $807,845. This request includes $961,410 over the three year period for Address Level Collection in areas greater than two square miles. The budget breakdown by year for Federal is: Year 3 = $1,061,622, Year 4 = $638,226 and Year 5 = $621,791. The state's match is in-kind and includes personnel salary and fringe benefit costs as well as cost share from the contracted mapping firm and the OU Center for Spatial Analysis. The state's match is: Year 3 = $270,312, Year 4 = $268,766 and Year 5 = $268,766.

OKLAHOMA BROADBAND MAPPING PROJECT NARRATIVE
DATA COLLECTION, INTEGRATION, VERIFICATION AND DISPLAY
Amended or Supplemental SBDD Application – July 1, 2010

Summary of Funds Awarded and Requested

Oklahoma has received a SBDD grant in the amount of $2,674,856. The Federal share is $2,139,885 and the Applicant share is $534,971. The award includes funding for Broadband Mapping and Planning. The Mapping award of $1,647,085 covers years 2010 and 2011 and the Planning award of $492,800 covers years 2010 thru 2014.

The state is requesting a supplemental SBDD grant in the amount of $3,129,484 to fund three additional years for Data Collection, Integration, Verification and Display. The Federal share requested is $2,321,639 and the Applicant share is $807,845. This request includes $961,410 over the three year period for Address Level Collection in areas greater than two square miles. The budget breakdown by year for Federal is: Year 3 = $1,061,622, Year 4 = $638,226 and Year 5 = $621,791. The state's match is in-kind and includes personnel salary and fringe benefit costs as well as cost share from the contracted mapping firm and the OU Center for Spatial Analysis. The state's match is: Year 3 = $270,312, Year 4 = $268,766 and Year 5 = $268,766.

The total Federal share Oklahoma is requesting to fund five years of Data Collection, Integration, Verification and Display as well as Address Level Collection in areas greater than two square miles is $3,968,724 ($1,647,085 + $2,321,639). The overall total Federal share, including the $492,800 previously awarded for Planning, is $4,461,524.

Description of Currently Funded Activities

Oklahoma has retained a third party mapping firm to perform the broadband mapping components of Oklahoma's program which include:

1) Identifying and communicating with the broadband providers and tracking all communications.
2) Establishing an NDA as required.
3) Collecting raw service availability and/or customer data, and infrastructure data from each broadband provider.
4) Integrating the provider data into a standardized format consistent with NTIA's NOFA and the NSGIC data model.
5) Validating the data against other public and commercial data sources.
6) Collecting and mapping ancillary data including socio-economic and demographic data, parcel data and land use data.
7) Building an information portal, a speed test application, a community anchor institution application, an interactive portal for basic provider feedback, and an interactive mapping portal to allow the data to be displayed and used by end users.

Data for the first year of the program have been collected at various levels of granularity and formats, transformed into a project standard and delivered to NTIA at the census block and street segment level in an ESRI File Geodatabase format using Census 2000 geography. This process has been funded at the same level to establish the processes and perform the collection on a biannual basis, for a two-year period.

Project Description – Data Collection, Integration, Verification and Display

This project will continue the collection of accurate, complete and comprehensive data to empirically identify the unserved and underserved areas of the state. It will enable Oklahoma's technology community to integrate its information among the government, non-government, and private sectors and create a data base that will support future decisions for the allocation of resources to unserved and underserved areas.

Data Gathering Methodology

The mapping firm has collected data from 80 providers serving the state (including subsidiaries, affiliates, etc.) and executed data sharing agreements with most of these companies. Mapping firm has also collected socio-economic and demographic data from various sources and existing land use and parcel data.

1) The mapping firm will continue this process of data collection and collect data from providers that have come into business since the first data submission, and also concentrate on collecting data from those that are known to exist, but are not yet participating, in order to provide a complete picture of broadband deployment in the State of Oklahoma. This is particularly the case for public providers of broadband such as Public Utility Districts (PUDs). So far, it has been challenging to get data from public providers, but those that have received federal funding can now be mandated to provide data.
2) The mapping firm will continue to update data from participating providers and work with them to improve the quality of the data being submitted to NTIA by educating them on the use of the Provider Portal application that has been built for them to perform accuracy checks after data has been standardized into NTIA formats.
3) The mapping firm will move all data to the 2010 census geography once the new census geography datasets are published.
4) The mapping firm will collect socio-economic and demographic data based on the 2010 census data collection when such data are published.
5) The mapping firm will adopt leading practices related to data collection described in more detail in the section on Leading Practices – this will include address level data collection, speed geography in the census block/address format, data from resellers, and mapping of public WiFi locations.

Data Integration

So far, the process that has been employed for data integration has included many different techniques depending on the format and quality of the data received from the provider. The primary mechanism that has been developed is to build Extract, Transform and Load (ETL) routines to integrate the data into a production data model, and resolve the data provided to a spatial feature such as a census block or street segment. Given that the project was reduced from five years to two years, the mapping firm reduced the budget in this area of creating ETL processes with the rationale that the cost of ETL processes did not justify the efficiencies gained for two years only. Since the project is now being extended to five years the mapping firm will implement the ETL process.

1) The mapping firm will set up ETL processes for all providers to achieve efficiencies in the long run.
2) The ETL processes will be modified as necessary as provider submissions change, and new routines will be built as new providers emerge and are brought into the program.
3) After all the data are standardized into a production data model, ETL processes will be used to export the data into the format required for the NTIA submissions and to serve the data on the various portals, maps, and analyses.
4) Since the NTIA/NSGIC model is still evolving it is also anticipated that some changes may need to be made to the export ETL process to deliver NTIA the anticipated final format.
5) Integration of data for years three through five will also include transformation of data from the Census 2000 geography to Census 2010 geography including the processing of ancillary data related to Census 2010.
6) The mapping firm has delivered data in the geodatabase format but will need to make changes to the format and data based on the new geodatabase format provided by NTIA. Therefore, this leading practice will need to be enhanced in subsequent years. The geodatabase format requires more detailed metadata requirements from those specified in the original NOFA. More detailed metadata will be generated by the mapping firm for better use of the data by the public.
7) The mapping firm will also create a format for delivery of non-confidential data.

Verification Methodology

Once standardized into the production data model each provider's data set is subject to a number of verification tests including comparing the data to commercially available data sources, publicly available datasets, and performing other spatial analysis on the data to look for spatial outliers or discrepancies.

1) To date, the mapping firm has performed validation of all non-wireless data using commercial datasets including Mediaprints data, Speedtest data and public data such as Exchange Boundary data. The mapping firm has also done spatial analysis to improve the data. The mapping firm has also provided processed data back to the providers for review and QC and incorporated all changes identified by the providers. This was done through a provider portal application. The mapping firm will continue to do these activities for each deliverable.
2) For the remainder of the project the mapping firm will do additional verification with wireless data and providers. This includes commercial data such as American Roamer data. This was not budgeted in the original proposal.
3) The mapping firm will do additional verification using FCC speedtest data that has been made available and will continue to be received on a monthly basis. This will need to start in year two of the program and was not in the original budget because the data was released after the original budget was submitted.
4) The mapping firm will enhance the Provider Portal in year two to incorporate the Leading Practices discussed by NTIA as the provider/public feedback loop. In the current budget, the mapping firm's scope was to build a basic provider portal to allow providers to verify their processed data before delivery to NTIA. The mapping firm will work with a focus group of the broadband providers in Oklahoma to develop a provider/public feedback loop whereby the public can provide feedback to the provider in the information portal

and interactive mapping application and the provider will be able to track and correspond with the public through the use of the provider portal and social networking technologies.

5) The mapping firm will implement in the second year of the program the leading practice on Data Confidence Scale. The mapping firm proposes to do this starting at the end of year two when there is some stability and critical mass of provider data as well as verification of data points (such as speed tests, completed data collection on community anchor institutions, public feedback, etc.).

Display

The State of Oklahoma has implemented the Oklahoma State Broadband Mapping web site as part of its base two-year contract. The site includes an information portal, speed test application, community anchor institution application, and an interactive mapping application.

1) This portal and the applications will be improved, maintained, and hosted on an annual basis by the mapping firm through the additional three years of the program. Some of the enhancements that have already been envisioned include:
    a. Provide sorting options of provider data presented after an address search is performed
    b. Provide public, private, state feedback loops within the application environment
    c. Provide enhanced data layer mapping, queries, and reporting
    d. Incorporate address data into application search and reporting
    e. Create executive dashboard for summary statistics
    f. Other potential enhancements as identified by end user feedback
2) The mapping firm will make the public Interactive Portal compliant with the Safari browser for Mac Users as many users in the State of Oklahoma use Apple Products.

Address Level Collection in Areas Greater Than 2 Square Miles

Within the scope of the project for years one and two, the State of Oklahoma is using NAVTEQ data for geocoding. Although these data are good, some provider geocoding data had as little as 29% matches on some provider datasets. Furthermore, the spatial accuracy of the points are not complete for larger parcels and for those that geocode to the NAVTEQ or street centerline data.

Oklahoma has approximately 6200+ census blocks that are over two square miles and with residents. Available through the University of Oklahoma Center for Spatial Analysis (OUCSA) is a partial data listing for E911 Road and Point information. Through data sharing agreements with the regional Councils of Governments (COGs), OUCSA is assembling street centerlines, E911 and point address information from the counties with that information available through a data warehouse. OUCSA will continue working with the Councils of Government (COGs) to obtain 911 data, street centerlines, and other address data when available and integrate the local data with regional and state-wide geospatial data.

OUCSA will initially build a foundation road GIS feature class by examining and adjusting TIGER 2009 road files with NAIP 2010 orthophotography. If a county has GIS parcel data readily available, the county parcel data will be overlaid with the adjusted TIGER 2009 road feature class along with the display of corresponding NAIP orthophotography. If housing structures within a parcel can be identified, a point at the center of the main housing structure

will be added to the address location feature class. If the housing structure is not visible, a point at the center of the parcel will be added to the address location feature class.

When a county has 911 address data, the county's address location feature class will be cross checked with the 911 address data to assure agreement. If there is disparity between the two data sets, OUCSA will contact respective GeoTech, assessor offices, or other knowledgeable sources to resolve the discrepancy. OUCSA will also coordinate with GIS staff on the election board when they contact county election officials for address identification. These officials will validate the address locations as well as provide information on broadband accessibility.

Leading Practices

A number of leading practices have been identified in the grant guidance document that Oklahoma feels can benefit the program in this area if implemented. Many are referenced in the sections above and are listed below:

- Speed Geography: To date speed data has been provided in a number of various geographies; CMA, CBSA, county, etc., which has caused some problems with aggregating and then averaging the data. In year two the mapping firm will begin requesting speed data from providers by the same feature type as the rest of the data (census block & address).
- Typical Speed: The mapping firm will work with providers and public sources of data and verification data to provide information on typical speed that would be expected for a specific location.
- Resellers: As part of the current process one of the first steps was to determine whether or not a provider is a reseller. Providers of broadband who are pure resellers were not included in the project. Beginning in year two the mapping firm will include resellers which will require new contacts to be made and logged, new NDAs to be put in place, changes to the data models and processing scripts, additional verification and changes to the web applications built for the project.
- Integration of public data sources: The mapping firm will work with data available through public sources to develop the data sets required and verify them during the project.
- Free Public WiFi: Another leading practice that has been identified is to incorporate free public WiFi locations into the project. This will be accomplished by building an API that allows the entities making the service available to register their facilities and maintain the data about their facilities similar to the Community Anchor Institution application that has been created.
- Data Confidence Scale: The mapping firm will begin implementing a data confidence scale to all data collected as part of year two of the data verification/validation methodology.
- Provider/public feedback loop: The mapping firm will work with a focus group of the providers in Oklahoma to develop a provide/public feedback loop whereby the public can provide feedback to the provider in the information portal and interactive mapping application and the provider will be able to track and correspond with the public through the use of the provider portal and social networking technologies.

Conclusion

As Oklahoma strives to create a knowledge-based economy and to ensure high quality education, healthcare and public safety services for citizens across the state, broadband access must be expanded and improved. Oklahoma remains largely a rural state throughout most of its seventy-seven counties where access to broadband is limited, especially in the far northwestern and southeastern regions. The Oklahoma Broadband Mapping Project is refining the data base and creating a strategic focus necessary to integrate public and private sector knowledge with the allocation of future resources to benefit Oklahomans.

The Oklahoma Broadband Mapping Project is collecting accurate, complete and comprehensive data to empirically identify the unserved and underserved areas of the state. The Project is indentifying existing broadband assets, gaps in broadband services, and opportunities for expansion of broadband services. It is enabling Oklahoma's technology community to integrate its information among the government, non-government, and private sectors and creating a data base that will support future decisions for the allocation of resources to unserved and underserved areas.

The Oklahoma Broadband Mapping Project is being achieved through a partnership comprised of local, state and tribal governments, non-governmental agencies, private sector and industry representatives, and the educational community that includes early, common, and higher education, career technical training and workforce development. A mapping firm is collecting and compiling the mapping data being submitted to NTIA for preparation of a national broadband map.

The Oklahoma Conservation Commission, Oklahoma Department of Transportation (ODOT) and the University of Oklahoma Center for Spatial Analysis (OUCSA) have a collection of geospatial and broadband data that have laid the foundation for the broadband mapping initiative. These data have been made available to the mapping firm.

The state also has acquired the NAVTEQ commercial address data set for Oklahoma. This data set contains comprehensive geospatial data for Oklahoma and includes address points or address ranges along street lines, locations for schools, hospitals, airports, public parks, recreational areas, etc. The state will purchase a refresh of this data set in year three of the mapping project.

Years Three through Five of this project will provide continued Data Collection, Integration, Verification and Display, and bi-annual mapping data updates to NTIA. As well, a project for Address Level Collection in areas greater than two square miles will be conducted by the University of Oklahoma (OU) Center for Spatial Analysis, one of the partner agencies in the Oklahoma Broadband Initiative. It is vital to these efforts that Oklahoma receives the supplemental SBDD grant.

OKLAHOMA BROADBAND MAPPING BUDGET NARRATIVE
DATA COLLECTION, INTEGRATION, VERIFICATION AND DISPLAY
Amended or Supplemental SBDD Application – July 1, 2010

Overview

The Oklahoma Broadband Mapping Project's goal is to collect and provide accurate and sustainable data for mapping broadband inventory and to identify unserved and underserved areas of the state.

Oklahoma received a SBDD grant in the amount of $2,674,856. The Federal share is $2,139,885 and the Applicant share is $534,971. The award includes funding for Broadband Mapping and Planning. The Mapping award of $1,647,085 covers years 2010 and 2011 and the Planning award of $492,800 covers years 2010 thru 2014.

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The state is requesting a supplemental SBDD grant in the amount of $3,129,484 to fund three additional years for Data Collection, Integration, Verification and Display. The Federal share requested is $2,321,639 and the Applicant share is $807,845. This request includes $961,410 over the three year period for Address Level Collection in areas greater than two square miles. The budget breakdown by year for Federal is: Year 3 = $1,061,622, Year 4 = $638,226 and Year 5 = $621,791. The state's match is in-kind and includes personnel salary and fringe benefit costs as well as cost share from the contracted mapping firm and the OU Center for Spatial Analysis. The state's match is: Year 3 = $270,312, Year 4 = $268,766 and Year 5 = $268,766.

Budget

Data Collection, Integration, Verification and Display Years 3-5:

Personnel:	$241,653 (Match)
Fringe:	$96,661 (Match)
Travel:	
Equipment:	
Supplies:	

Contracts:	$2,629,170 ($2,159,639 Federal, $469,531 Match)
Construction:	
Other:	$162,000 (Federal)
Total Direct Costs:	$3,129,484 ($2,321,639 Federal, $807,845 Match)
Indirect Costs:	
Total Costs:	$3,129,484 ($2,321,639 Federal, $807,845 Match)

The proposed budget for years 3-5 will achieve the following:

- ✓ **Year Three:** Continued Data Collection, Integration, Verification and Display. Bi-annual mapping data updates. Develop address level files in census blocks greater than two square miles. Incorporate leading practices. Acquire a refresh of the complete NAVTEQ address database for Oklahoma. Continue contract with mapping firm to collect the required information from the providers, produce maps and format all data for submission to NTIA. Contract with University of Oklahoma Center for Spatial Analysis for Address Level Collection in areas greater than two square miles.

Year 3 budget:

Personnel:	$80,551 (Match)
Fringe:	$32,220 (Match)
Travel:	
Equipment:	
Supplies:	
Contracts:	$1,057,163 ($899,622 Federal, $157,541 Match)
Construction:	
Other:	$162,000 (Federal)
Total Direct Costs:	$1,331,934 ($1,061,622 Federal, $270,312 Match)
Indirect Costs:	
Total Costs:	$1,331,934 ($1,061,622 Federal, $270,312 Match) (Includes $352,234 for Address Level Collection)

- ✓ **Year Four:** Continued Data Collection, Integration, Verification and Display. Bi-annual mapping data updates. Continued development of address level files in census blocks greater than two square miles. Continued incorporation of leading practices. Continue contract with mapping firm to collect the required information from the providers, produce maps and format all data for submission to NTIA. Continue contract with University of Oklahoma Center for Spatial Analysis for Address Level Collection in areas greater than two square miles.
- ✓

Year 4 budget:

Personnel:	$80,551 (Match)
Fringe:	$32,220 (Match)
Travel:	
Equipment:	
Supplies:	
Contracts:	$794,221 ($638,226 Federal, $155,995 Match)

Construction:	
Other:	
Total Direct Costs:	$906,992 ($638,226 Federal, $268,766 Match)
Indirect Costs:	
Total Costs:	$906,992 ($638,226 Federal, $268,766 Match) (Includes $300,285 for Address Level Collection)

✓ **Year Five:** Continued Data Collection, Integration, Verification and Display. Bi-annual mapping data updates. Continued development of address level files in census blocks greater than two square miles. Continued incorporation of leading practices. Continue contract with mapping firm to collect the required information from the providers, produce maps and format all data for submission to NTIA. Continue contract with University of Oklahoma Center for Spatial Analysis for Address Level Collection in areas greater than two square miles.

✓

Year 5 budget:

Personnel:	$80,551 (Match)
Fringe:	$32,220 (Match)
Travel:	
Equipment:	
Supplies:	
Contracts:	$777,786 ($621,791 Federal, $155,995 Match)
Construction:	
Other:	
Total Direct Costs:	$890,557 ($621,791 Federal, $268,766 Match)
Indirect Costs:	
Total Costs:	$890,557 ($621,791 Federal, $268,766 Match) (Includes $308,891 for Address Level Collection)

Total Cost for Years 3 – 5: **$3,129,484 ($2,321,639 Federal, $807,845 Match)**

As noted above, this total cost for years three through five includes $961,410 to fund the project for Address Level Collection in areas greater than two square miles. This project will be conducted by the University of Oklahoma (OU) Center for Spatial Analysis, one of the partner agencies in the Oklahoma Broadband Initiative. See the Project Narrative for further description of this project. As shown on the 'Proposed Match For New Federal Fund Request' budget spreadsheet, OU is providing a cost share for this project totaling $315,071, which is a component of the overall match.

GRANTEE NAME:	(OK) Office of State Finance

OK

Directions: For exch sheet, please edit the cells that are empty, not the cells with the grey background.

PLEASE ENTER YOUR EXISTING, APPROVED BUDGET BELOW. It should match your current SF 424.

EXISTING BUDGET	Federal	Match	Total
Personnel Salaries	340,750	85,600	$426,350
Fringe Benefits	102,300	25,600	$127,900
Travel	0	0	$0
Equipment	0	0	$0
Supplies	48,000	0	$48,000
Subcontracts	1,247,829	423,771	$1,671,600
Construction	*0*	*0*	*0*
Other	352,000	0	$352,000
Total Direct Costs	$2,090,879	$534,971	$2,625,850
Total Indirect Costs	$49,006	$0	$49,006
Total Costs	$2,139,885	$534,971	$2,674,856
% Federal Share	80.00%		
% Applicant Share		20.00%	

PLEASE DO NOT ENTER TEXT BELOW. It will populate automatically after you complete the other sheets.

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	0	241,653	$241,653
Fringe Benefits	0	96,661	$96,661
Travel	0	0	$0
Equipment	0	0	$0
Supplies	0	0	$0
Subcontracts	2,159,639	469,531	$2,629,170
Construction	*0*	*0*	*0*
Other	162,000	0	$162,000
Total Direct Costs	$2,321,639	$807,845	$3,129,484
Total Indirect Costs	0	$0	$0
Total Costs	$2,321,639	$807,845	$3,129,484
% Federal Share	74.19%		
% Applicant Share		25.81%	

(OK) Office of State Finance			Fed Request as % of total project cost:			74.19%
NEW FEDERAL REQUEST ONLY	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	

[redacted]

(OK) Office of State Finance			Match as % of total project cost:			25.81%
PROPOSED MATCH FOR NEW FEDERAL FUND REQUEST	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	

[redacted]

(OK) Office of State Finance

If Applicable, Copy and Paste Any Budgets from Your Proposed Contractors

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