

Application for Federal Assistance SF-424 Version 02

<p>* 1. Type of Submission:</p> <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	<p>* 2. Type of Application:</p> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	<p>* If Revision, select appropriate letter(s): <input style="width: 100%;" type="text"/> * Other (Specify) <input style="width: 100%;" type="text"/> </p>
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<p>* 3. Date Received: <input style="width: 100%;" type="text" value="09/01/2009"/> </p>	<p>4. Applicant Identifier: <input style="width: 100%;" type="text"/> </p>
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<p>5a. Federal Entity Identifier: <input style="width: 100%;" type="text"/> </p>	<p>* 5b. Federal Award Identifier: <input style="width: 100%;" type="text"/> </p>
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State Use Only:

<p>6. Date Received by State: <input style="width: 100%;" type="text"/></p>	<p>7. State Application Identifier: <input style="width: 100%;" type="text"/></p>
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8. APPLICANT INFORMATION:

<p>* a. Legal Name: <input style="width: 100%;" type="text" value="State of Louisiana Division of Administration"/></p>	
<p>* b. Employer/Taxpayer Identification Number (EIN/TIN): <input style="width: 100%;" type="text" value="726000720"/> </p>	<p>* c. Organizational DUNS: <input style="width: 100%;" type="text" value="965237944"/> </p>

d. Address:

* Street1:	<input style="width: 85%;" type="text" value="1201 North 3rd Street"/>
Street2:	<input style="width: 85%;" type="text" value="Suite 2-130"/>
* City:	<input style="width: 85%;" type="text" value="Baton Rouge"/>
County:	<input style="width: 85%;" type="text" value="East Baton Rouge"/>
* State:	<input style="width: 85%;" type="text" value="LA: Louisiana"/>
Province:	<input style="width: 85%;" type="text"/>
* Country:	<input style="width: 85%;" type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input style="width: 85%;" type="text" value="70802"/>

e. Organizational Unit:

<p>Department Name: <input style="width: 100%;" type="text" value="Division of Administration"/> </p>	<p>Division Name: <input style="width: 100%;" type="text" value="Office Information Technology"/> </p>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix:	<input style="width: 60%;" type="text" value="Mr."/>	* First Name:	<input style="width: 60%;" type="text" value="Neal"/>
Middle Name:	<input style="width: 100%;" type="text"/>		
* Last Name:	<input style="width: 100%;" type="text" value="Underwood"/>		
Suffix:	<input style="width: 100%;" type="text"/>		
Title:	<input style="width: 100%;" type="text" value="Assistant Director Statewide Technology"/>		
Organizational Affiliation:	<input style="width: 100%;" type="text" value="State of La Div of Admin Office of Information Technology"/>		
* Telephone Number:	<input style="width: 40%;" type="text" value="(225) 219-4025"/>	Fax Number:	<input style="width: 40%;" type="text" value="(225) 219-9465"/>
* Email:	<input style="width: 100%;" type="text" value="neal.underwood@la.gov"/>		

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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.):

State of Louisiana

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

Louisiana Broadband Availability Mapping Project

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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16. Congressional Districts Of:

* a. Applicant LA-006

* b. Program/Project LA-a11

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

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date: 09/30/2009

* b. End Date: 09/30/2014

18. Estimated Funding (\$):

* a. Federal	3,600,000.00
* b. Applicant	0.00
* c. State	900,000.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	4,500,000.00

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

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

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

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: Neal
 Middle Name:
 * Last Name: Underwood
 Suffix:

* Title: Assistant Director Statewide Technology

* Telephone Number: (225) 219-4025 Fax Number: (225) 219-9465

* Email: neal.underwood@la.gov

* Signature of Authorized Representative: Clifford Underwood * Date Signed: 09/01/2009

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*** Applicant Federal Debt Delinquency Explanation**

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

DEPARTMENT OF COMMERCE
National Telecommunications and Information Administration
State Broadband Data and Development Grant Program

Grant Application

Submitted: September 1, 2009

By: Louisiana Division of Administration, Office of Information Technology

Abstract

The Louisiana Division of Administration, Office of Information Technology (“the Division”) is pleased to support the efforts of the Department of Commerce to improve the nation’s broadband infrastructure through the American Recovery and Reinvestment Act (ARRA) and the Broadband Data Improvement Act (BDIA). The Governor of Louisiana, Bobby Jindal, has identified the Division of Administration, Office of Information Technology as the designated state organization to request grant funds and manage the mapping and planning projects.

The Division seeks broadband funding from the National Telecommunications and Information Administration for the purpose of developing and maintaining a comprehensive, interactive and searchable statewide inventory. This inventory, implemented as a map, will depict existing broadband service, capability and availability. In this manner the geographic extent to which broadband service capability is deployed and available from a commercial or public provider throughout the state will be provided. The state data will be easily assimilated into the national broadband map pursuant to the Broadband Data Improvement Act (BDIA) Title I of Public Law No. 110-385, Stat. 4096 (October 10, 2008). The Division plans to utilize an independent contractor to collect the broadband data from service providers and to create the Louisiana Broadband Availability map. The Division will independently verify the data collected by our contractor using Louisiana Geographic Information Center (LAGIC) resources. Under the supervision of the Division, and with the assistance of LAGIC, the contractor will construct a broadband map consistent with the requirements provided in the Technical Appendix of the NTIA Notice of Funding Availability in the Federal Register

The Division projects a total project cost of \$4.5 million inclusive of both Planning activities and Mapping activities. In support of this program the Division requests a total award amount of \$3.6 million in federal funds composed of \$500,000 to support Planning activities and \$3.1 million to support Mapping activities of the State Broadband Data and Development grant program. The Mapping activity includes the data collection, verification, mapping and updating the data as well as the posting of the data to the NTIA nationwide broadband mapping site and providing the data in a format that can easily be displayed on the state geospatial portal; LouisianaMAP. The Louisiana Geographic Information Center will maintain the statewide map in a manner that both serves the public and ensures the protection of confidential information. The mapping project will occur over a five year span and updates will be provided to NTIA regularly as required by the grant. The Planning activity will allow the Division to determine the most economical and efficient means of increasing the growth and adoption of broadband networks and adopt strategies for providing e-government services to the greatest number of citizens and businesses.

STATE OF LOUISIANA
Broadband Advisory Council
Infrastructure Subcommittee

GIS & MAPPING
Initial Report
on
Broadband Infrastructure

Prepared By:
David Gisclair
and the
Broadband Infrastructure Subcommittee

1 July 2005

**GIS & Mapping Initial Report
Broadband Advisory Council**

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1. INTRODUCTION

As stated in the its initial report, the Infrastructure Subcommittee of the Broadband Advisory Council has been charged with the task of assessing the deployment of Broadband Internet access infrastructure and technologies in the State of Louisiana. As an initial step in this assessment, the Infrastructure Subcommittee is developing a catalog and map of existing Broadband access availability within the state. The catalog will identify, by category of technology and identified facilities-based providers, the geographic coverage of Broadband access. The results of this effort will produce a baseline status of Broadband access that may be used to identify underserved areas and to measure the progress of future deployment and the success of state policies or initiatives.

1.1. Background

Geographic data from both the public and private sector is required to properly assess broadband delivery capability throughout the state. Given this initial task of cataloging the geographic coverage of broadband availability statewide, the Broadband Advisory Council has acquired and assembled information provided to the council.

1.2. Purpose

First, the report categorizes the GIS data provided into broadband technology / vendor classes. Second, the report catalogs the broadband vendors that have provided geographic data on their broadband delivery capability to the citizens of Louisiana within each class. Third, the report describes what types of geographic data have been provided by the various broadband vendors. Fourth, the report provides a brief description of the form and limitations associated with what geographic data has been received. Next, the report sets forth a description of what is needed in terms of additional data and what forms of data are preferable in the future. Finally, a summary is provided.

2. GIS AND MAPPING INITIAL REPORT

This GIS and mapping report is being provided as an initial step in the construction of a living document, which describes the spatial extent of broadband availability in Louisiana. Over time this report will be updated to reflect the statewide geographic status of broadband delivery capability. As described in Section 1.2 this report will be presented in a tiered approach:

1. Broadband technology/vendor classes
2. GIS data provided by technology/vendor class
3. Forms of GIS data provided
4. Limitations of GIS data provided

Since this is an initial report, the form and organization of subsequent reports may be significantly modified based on comments received. In addition, this initial report is only focused on GIS data currently available from existing vendors currently providing broadband access to the public and private sectors.

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2.1. Broadband Technology / Vendor Classes

The existing Broadband Internet access infrastructure at this time can be described in three general technology/vendor classes as follows:

1. Telephone providers
2. Cable providers
3. Satellite providers

For the purpose of this report, newer technology/vendor classes, including wireless, broadband over power lines, etc., generally have been omitted in this report, since further investigation is required for GIS and mapping purposes. However, for wireless capability, information on what GIS and mapping data requirements necessary to depict broadband capability were included. Because various providers use different technologies to deliver broadband access, the methods used in geospatially describing delivery capability differ for each technology/vendor class. Further, within a specific technology/vendor class, multiple spatial methods may be employed to depict broadband delivery capability (see Section 2.2.1.2).

2.2. GIS Data Provided by Broadband Vendors

In organizing the spatial data provided, the data received were cataloged and organized by technology/vendor class as described in Section 2.1. The order in which the classes are listed is based upon the order of receipt.

2.2.1. Telephone Providers

In the initial Infrastructure Subcommittee report, approximately 12 telephone providers were identified as operating within the state of Louisiana as described in Section 4.1. BellSouth and member companies of the Louisiana Telecommunications Association (LTA) all provided data regarding their Broadband Internet capability. For BellSouth, the geographic extent of service was based on broadband capability within a particular wire center area and the delivery capability was generally based on the number of lines capable of delivering ADSL expressed as a percentage.

In the process of receiving and processing broadband delivery capability data provided by the telephone providers, mixed types of spatial data, as mentioned in Section 2.1, have been delivered making GIS processing in a spatial context more difficult for mapping and analytical purposes. An explanation of the various forms of spatial data provided is described in Section 2.3.

2.2.1.1. BellSouth

Of the various telephone providers operating in Louisiana, BellSouth provided completely "GIS ready" data. The GIS data contained mapped areas (polygons) and associated database records containing various attributes (columns). BellSouth has provided non-confidential wire center areas with associated ADSL broadband delivery capability in four percentage classes (<25%, <50%, <75% and >75%).

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2.2.1.2. Independent Phone Companies (ICOs)

The method for spatially depicting where ADSL broadband capability exists for the ICOs differed from that of BellSouth, and initially different from each other. This is an example of differing spatial representations being used within a vendor class as described in Section 2.1. In the preceding discussion the polygons represent percentage delivery capability by wire center areas. For the ICOs, the availability of ADSL broadband capability is represented by zip code. In the future, data provided by wire center area would be preferable over zip code areas since there are several problems associated with describing broadband capability by zip code (see Section 2.4.2). Zip code data with associated percentage delivery capability from eleven (11) ICOs were delivered for incorporation into the broadband availability map.

A listing of the GIS data received by telephone providers can be found in Section 4.4.

2.2.2. Cable Providers

In the initial Infrastructure Subcommittee report, approximately 38 cable providers were identified as operating within the state of Louisiana. Normally, each vendor would have to be contacted to ascertain each vendor's Broadband Internet capability. Fortunately, the Louisiana Cable & Telecommunications Association (LCTA) has provided spatial information on broadband capability for each cable provider (member and non-member providers) as discussed below.

2.2.2.1. Louisiana Cable & Telecommunications Association (LCTA)

The LCTA membership agreed to provide Broadband Internet delivery capability information in a spatial context by zip code. In the process of receiving and processing broadband availability data provided by cable providers, several revisions and reprocessing of the zip code information occurred during the construction of this GIS layer. Note there are several problems associated with describing Broadband capability by zip code (see Section 2.4.2).

A listing of the GIS data received by cable providers can be found in Section 4.5.

2.2.3. Satellite Providers

Further investigation is needed into this technology/vendor class. Satellite coverage is available at any point in the state where an unobstructed view of the southern horizon is accessible. No detailed data was solicited from this class of service providers.

2.2.4. Wireless Providers

In this technology/vendor class of broadband providers, further investigation is needed as well before any GIS mapping may be employed. Should wireless broadband providers submit spatial locations of towers and/or antennas (latitude/longitude coordinates) and associated broadband capability radius or diameter, then broadband delivery capability within this technology/vendor class could be incorporated into the GIS map.

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2.3. Types of GIS Data Provided

The Infrastructure Subcommittee is currently tasked with developing a catalog and map of existing Broadband access availability within the state by type of technology. By identifying areas where broadband service exists for each technology/vendor in a spatial context, a composite GIS map of these various technology/vendor classes can be constructed; thereby, allowing the identification of underserved areas statewide. Based on technology employed in the delivery of broadband, the various technology/vendor classes have different requirements in identifying the spatial distribution of these capabilities. Given these differences, the method used to spatially represent broadband capability by each class will be discussed.

2.3.1. Wire Center Service Areas

For telephone providers having ADSL broadband capability, two (2) providers have agreed that a spatial representation by wire center (WC) service area (polygon) and a percentage of ADSL delivery capability within that area would provide the necessary detail without infringing on information deemed confidential to each provider. The benefit of this method of representation is in the accuracy of the WC area (polygon). Each wire center area clearly represents the spatial extent of ADSL availability.

2.3.2. Zip Code Polygons

Both cable providers and ICOs have assembled broadband delivery capability information based on United States Postal Service (USPS) zip codes. To map these zip codes in a spatial context, a method was selected to convert USPS zip codes into polygons representing the spatial extent of the zip code. The US CENSUS zip code tabulation areas (ZCTAs) were selected as the public-domain spatial coverage to convert the zip code lists, supplied by the various broadband vendors, into a GIS and mapping context.

Note a one-to-one relationship does not exist between CENSUS zip code tabulation areas (polygons) and the USPS zip code list provided by both cable and phone providers. There are a few USPS zip codes that are not part of the ZCTAs. Because a one-to-one relationship does not exist, spatial misrepresentation is being introduced when mapping both cable broadband capability and some independent ADSL broadband capability. In many cases, the area represented on the map can be either larger or smaller than the actual service area depending on each zip code provided. See Section 2.4.2 for a detailed explanation.

In the future, having a one to one relationship between zip code area and cable or phone provider would be extremely helpful in mapping and analyzing the information in a spatial context. Unfortunately, a polygonal GIS map of zip codes with a one-to-one relationship (polygon to zip code) does not currently exist in the public domain.

2.3.3. Satellite Areas

In terms of broadband access provided by satellite vendors, essentially the entire state of Louisiana is spatially covered by this technology. Therefore, the mapping of this capability has been omitted from the GIS map.

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2.3.4. Wireless Areas

A tower and/or antenna that can transmit and receive digital data via electromagnetic means usually services wireless areas. The area that can support broadband transmissions is usually dependent on the radial distance from the tower and other obstructions blocking electromagnetic signals. Generally, broadband availability is usually a function of the radial distance from the tower depending on the technology being employed by the vendor.

In a mapping context, these wireless broadband service areas will normally be defined as a circle centered on a communications tower and/or antenna with the radius of coverage being dependent on the technology used to provide broadband service. The spatial distribution of the towers and associated broadband access area can describe the spatial extent of these broadband providers. Further investigation is needed into the wireless broadband vendors.

2.4. Forms and Limitations of GIS Data Provided

Thus far, the GIS mapping data provided is of varying types and quality. As discussed previously, there are basically four ways to map broadband capability thus far.

2.4.1. Forms

The four forms of mapping broadband capability consists of the following:

1. Wire Center Area
2. Zip Code Area
3. Satellite Area
4. Wireless Area

The GIS mapping using these types of area methods will be discussed.

2.4.1.1. Wire Center Area

GIS mapping by wire center area is likely the best method employed in graphically indicating where broadband exists in terms of ADSL broadband capability. The maps based on wire center areas represent actual service areas and capability as opposed to using some type of surrogate (zip code) mapping polygon to represent ADSL capability.

2.4.1.2. Zip Code Area

GIS mapping by CENSUS zip code tabulation areas (ZCTAs) is another method employed in graphically indicating where broadband exists in terms of both cable and phone broadband capability. The maps based on zip code areas represent an approximation of where broadband capability exists as opposed to capability being mapped by service locations. There are some significant limitations associated with using this method, which will be discussed in the Section 2.4.2.

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2.4.1.3. Satellite Area

Essentially, satellite broadband providers can service the entire state of Louisiana. Since the entire state is serviceable by satellite, this technology/vendor class was not mapped. Essentially there is 100% broadband capability based on this technology anywhere in the state.

2.4.1.4. Wireless Area

GIS mapping of wireless broadband providers will require the latitude / longitude coordinate location of each tower and/or antenna and respective diameter or radius from the antenna where broadband service can be supported. This method of mapping broadband capability would be equivalent to the wire center method of mapping in terms of properly representing in a spatial context broadband delivery capability. Further investigation is needed in this broadband technology/vendor class.

2.4.2. Limitations

In mapping broadband capability statewide thus far, the zip code method described above has significant spatial issues as discussed below.

2.4.2.1. Zip Code (ZCTA) Limitations

An explanation of the limitations associated with using zip codes to spatially represent broadband coverage is more complex to explain as follows. Both cable providers and ICOs have assembled broadband delivery capability information based on United States Postal Service (USPS) zip codes.

Currently, a one-to-one relationship does not exist between zip code tabulation areas (polygons) and the zip code list provided by both the cable and phone providers. Because a one-to-one relationship does not exist between zip code polygons and all the zip codes that exist, spatial misrepresentation is being introduced when mapping both cable high-speed data (HSD) broadband access and some independent ADSL broadband providers. The misrepresentation occurs when a database join attaches the zip code list to the polygon coverage database list where a provider zip code has no associated polygon zip code. In this case, a zip code is “lost”; therefore, the area represented on the map is smaller than the actual service area described by the vendor provided zip code list. In some cases, a zip code matched with an associated ZCTA polygon covers a geographic areas far larger than the actual delivery capability extent.

To further complicate the situation across the nation, there are basically three types of zip codes. First there are “standard” zip codes that usually have a service area defined spatially as a polygon. This is a one-to-one relationship – one zip code has one polygon. Second, there are “unique” zip codes. Usually, a point defines the spatial location of the “unique” zip code. For example, every state university in Louisiana has a “unique” zip code, which is spatially located within a previously defined “standard” zip code polygon. Finally, there exists “PO Box Only” zip codes again defined

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spatially by a point that falls within an existing “standard” zip code polygon. These zip code types appear in the data provided by the various vendors.

Another limitation associated with zip code polygons is the polygons themselves. In the case of CENSUS ZCTAs, these polygons represent generalized USPS delivery areas and not actual USPS delivery areas, nor areas where broadband capability actually exists.

Zip codes are being added or revised continuously. Sometimes when there are shifts in population large zip code areas are divided into multiple smaller zip code areas which has been experienced in the data provided.

Finally, other types of misrepresentations either geographical or tabular may exist based on hardware, software, or data limitations and/or assumptions made in the processing of the data.

In organizing the spatial data provided, the data received were cataloged and organized by technology/vendor class. This section of the document will likely have the most revisions over time as the various broadband vendors provide new and updated information.

3. SUMMARY

In summary, data from cable and phone providers have been received and processed in an effort to identify where broadband delivery capability currently exists using GIS and mapping techniques. A large majority of the information provided is based on USPS zip code lists converted into polygonal areas using the CENSUS ZCTA polygons. Several limitations are associated with using zip code spatial data as previously described in Section 2.4.2.1. For telephone providers, wire center based data would be preferable over zip code based data due to the spatial limitations identified with using zip code based mapping. Several GIS maps depicting broadband delivery capability are attached to this report. The first depicts delivery capability of 75% and above (see Section 4.6). The second depicts any delivery capability (see Section 4.7). The third map depicts any delivery capability with CENSUS population data represented as a dot-density overlay (see Section 4.8). This GIS & Mapping Initial Report on Broadband Infrastructure is being submitted to the Broadband Advisory Council for review and comment.

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Appendicies

4. APPENDICIES: Tables and Maps

**4.1. Table 1
LA Telephone Broadband Providers**

Company	Address	City	State	Zipcode	Phone
Bellsouth Telecommunications, Inc.	365 Canal St., Rm 3000	New Orleans	LA	70130	(504)528-7478
Cameron Telephone Co., Inc.	P.O. Box 167	Sulphur	LA	70664	(337)583-2111
Elizabeth Telephone Co., Inc.	P.O. Box 167	Sulphur	LA	70664	(337)583-2111
Campiti-Pleasant Hill Telephone Co., Inc.	P.O. Box 777	Natchitoches	LA	71065	(318)352-0014
CenturyTel	P.O. Box 4065	Monroe	LA	71065	(318) 388-9500
Delcambre Telephone Co., Inc.	104 North Corner	Delcambre	LA	70528	(337)685-2311
East Ascension Telephone Co., Inc.	913 South Burnside Street	Gonzales	LA	70737	(225)621-4200
Kaplan Telephone Company	P.O. Box 369	Kaplan	LA	70548	(337) 643-7171
Lafourche Telephone Co., Inc.	P.O. Box 188	Larose	LA	70373	(985)693-4567
Northeast Louisiana Telephone Co., Inc.	P.O. Box Drawer 185	Collinston	LA	71229	(318)874-7011
Reserve Telephone Co., Inc.	P.O. Box Drawer "T"	Reserve	LA	70084	(985)536-1111
Star Telephone Co., Inc.	P.O. Box 9	Maringouin	LA	70757	(225)625-2333

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Appendicies

4.2. Table 2 LA Cable Broadband Providers

Cable	Contact	Address	City	State	Zip	Phone	email
Cox Communications	Robert Thibodeaux	1906 Veterans Memorial Drive	Abbeville	LA	70511	337-893-3376	bobby.thibodeaux@cox.com
Cox Communications	JeNea Jones	3250 Donahue Ferry Road	Pineville	LA	71360	318-640-2892	Jenea.Jones@cox.com
Cox Communications	Roland J. Miers	1611 Park Loop Drive	Bastrop	LA	71220	318-281-0094	roland.miers@cox.com
Cox Communications	Jacqui Vines	5428 Florida Boulevard	Baton Rouge	LA	70806	225-930-2219	jacqui.vines@cox.com
CMA Cablevision of Plaquemines Parish	John Helmers	P. O. Box 760	Belle Chasse	LA	70037	504-392-4060	johnh@cmaacce555.com
Cox Communications	Dennis Watts	725 Benton Road	Bossier City	LA	71171	318-747-1666	dennis.watts@cox.com
Charter Communications	Karl Adams	P. O. Box 610	Bourg	LA	70343	985-594-8270	kadams@chartercom.com
Cox Communications	Ray Mayo	2010 N. Parkerson	Crowley	LA	70527	337-783-6971	rav.mayo@cox.com
Cox Communications	Ray Smith	1501 N. Pine Street	DeRidder	LA	70634	337-463-7728	Ray.Smith@cox.com
Charter Communications	Greg Savant	330 Moosa Blvd.	Eunice	LA	70535	337-546-0087	gsavant@chartercom.com
Cox Communications	Roger St. Dizier	1111 Northwest Boulevard, Ste. A	Franklin	LA	70538	337-828-2302	roger.stdizier@cox.com
Charter Communications	Kelly LeBouef	701 Westin Oaks Drive	Hammond	LA	70403	985-318-1205	klebouef@chartercom.com
Time Warner	Jacqui Dugas	104 Lois Road	Houma	LA	70363	504-876-4280	jacqui.dugas@twcable.com
Trust Cable TV	Bobby Bennett	P. O. Box 39236	Jackson	MS	39216	601-981-0779	steven@trustcable.com
Cox Communications	Ron Watters	108 Hudson Avenue	Jonesboro	LA	71251	318-259-4447	ron.watters@cox.com
Cox Communications		714 Eraste Landry Road	Lafayette	LA	70506	337-232-6323	
Cox Communications	Ray Smith	1538 E. Prien Lake Road	Lake Charles	LA	70601	337-477-9674	Ray.Smith@cox.com
CMA Cablevision of Lake Providence	Dale Miller	P. O. Box 432	Lake Providence	LA	71254	318-559-1212	
Time Warner		136 Farm Road	LaPlace	LA	70069	985-652-6951	
Vision Communications	James Callihan	P. O. Box 550	Larose	LA	70373	985-693-4111	jamesc@mobiletel.com
Spillway Communications, Inc.	Mark Greene	P. O. Box 337	Maringouin	LA	70757	225-625-2311	
Charter Communications	James Laurent	403 North Main Street	Marksville	LA	71351	318-253-6504	jlaurent@chartercom.com
Cox Communications	Roland J. Miers	726 Broadway	Minden	LA	71005	318-377-1978	roland.miers@cox.com
Allen's TV Cable Service	Greg Price	P. O. Box 2643	Morgan City	LA	70381	985-384-8335	gaprice@atvci.net
Cox Communications	Ron Watters	321 Texas Street	Natchitoches	LA	71457	318-352-5883	ron.watters@cox.com
Cox Communications	Roger St. Dizier	1017 Progress Street	New Iberia	LA	70560	337-365-2434	roger.st.dizier@cox.com
Cox Communications	Greg Bicket	338 Edwards Avenue	Harahan	LA	70123	504-304-7345	greg.bicket@cox.com
Charter Communications	James Laurent, Jr.	P. O. Box 410	New Roads	LA	70760	225-638-7632	jlaurent@chartercom.com
Charter Communications	Joe Semmes	2330-B East 5th Avenue	Oakdale	LA	71463	318-335-2486	jsemmes@chartercom.com
Cox Communications	Diana Rogers-Deville	3250 Donahue Ferry Road	Pineville	LA	71360	318-640-2892	diana.deville@cox.com
Reserve Telecommunications	Bill Ironside	203 W. 4th Street	Reserve	LA	70054	985-536-1200	bironside@rtonline.com
Cox Communications	Roland J. Miers	1001 Cooktown Road	Ruston	LA	71270	318-255-6594	roland.miers@cox.com
Time Warner	Cheryl Rummel	6529 Quilen Road	Shreveport	LA	71108	318-213-4280	cheryl.rummel@twcable.com
Charter Communications	Kelly LeBouef	60097 Highway 11	Slidell	LA	70458	985-645-2610	klebouef@chartercom.com
Cox Communications	Anita McDonner	P. O. Box 2809	St. Martinville	LA	70582	318-845-5384	anita.mcdonner@cox.com
Charter Communications	Kip Kraemer	P. O. Box 5178	Thibodaux	LA	70302	985-446-4934	kadams@chartercom.com
Time Warner	Frances Smith	405 Kiroli Road	West Monroe	LA	71291	601-321-2006	frances_smith@twcable.com
Cox Communications	Ron Watters	701 W. Court Street	Winnfield	LA	71483	318-628-6449	ron.watters@cox.com

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**4.3. Table 3
LA Satellite Broadband Providers**

Company	Address	City	State	Zipcode
Ground Control	720 Aerovista Place	San Luis Obispo	CA	93401
Hughes Network Systems Corporate Headquarters	11717 Exploration Lane	Germantown	MD	20876
Skycasters	3500 Virginia Beach Blvd., Floor 6	Virginia Beach	VA	23452
StarBand Corporate Headquarters	1750 Old Meadow Road - 7th Floor	McLean	VA	22102
WildBlue Communications, Inc.	5970 Greenwood Plaza Blvd., Suite 300	Greenwood Village	CO	80111

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**4.4. Table 4
LA Broadband Telephone GIS Data Received**

Status	% Received	GIS Type	Company
RD	91%	Wire	Bellsouth Telecommunications, Inc.
RD	100%	Zip	Cameron Telephone Co., Inc.
RD	100%	Zip	Elizabeth Telephone Co., Inc.
RD	100%	Zip	Campti-Pleasant Hill Telephone Co., Inc.
RD	100%	Zip	CenturyTel
RD	100%	Zip	Delcambre Telephone Co., Inc.
RD	100%	Zip	East Ascension Telephone Co., Inc.
RD	100%	Zip	Kaplan Telephone Company
RD	100%	Zip	Lafourche Telephone Co., Inc.
RD	100%	Zip	Northeast Louisiana Telephone Co., Inc.
RD	100%	Zip	Reserve Telephone Co., Inc.
RD	100%	Zip	Star Telephone Co., Inc.
Total	99%		
X = No Data		Wire = Wire Center (service areas)	
RD = Received Data		Zip = Zip code areas	

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**4.5. Table 5
LA Broadband Cable GIS Data Received**

Status	% Received	GIS Type	Cable
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Elizabeth Telephone Co., Inc.
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	CMA Cablevision of Plaquemines Parish
RD	100%	Zip	Cox Communications
RD	100%	Zip	Charter Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Charter Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Charter Communications
RD	100%	Zip	Time Warner
RD	100%	Zip	Trust Cable TV
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	CMA Cablevision of Lake Providence
RD	100%	Zip	Time Warner
RD	100%	Zip	Vision Communications
RD	100%	Zip	Spillway Communications, Inc.
RD	100%	Zip	Charter Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Allen's TV Cable Service
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Charter Communications
RD	100%	Zip	Charter Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Reserve Telecommunications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Time Warner
RD	100%	Zip	Charter Communications
RD	100%	Zip	Cox Communications
RD	100%	Zip	Charter Communications
RD	100%	Zip	Time Warner
RD	100%	Zip	Cox Communications
Total	100%		
X = No Data		Zip = Zip code areas	
RD = Received Data			

