

Consolidated

Nebraska Broadband Pilot Program

Redacted Public Copy

Grant Application

Consolidated Telephone Company

Consolidated Telco, Inc.,

Consolidated Telecom, Inc.,

Curtis Telephone Company

Submitted to the Nebraska Public Service Commission

November 26, 2014

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USB Flash Drive/CD

Application: ***NEBP 2015 Consolidated Confidential.docx***

Cost Files: ***NEBP 2015 Appl Cost Est Consolidated Confidential.xlsx***

Census Files: ***NEBP 2015 Appl Census Blocks Consolidated .xlsx***

Executive summary

Consolidated

Nebraska Broadband Pilot Program (NEBP) Application

The Companies have a long history of providing telephone and broadband services to our customers in rural Nebraska. We began providing dial-up internet in 1996 and rolled out our first Broadband service in 2001. Over the last decade, our customers' use and demand for internet has grown extensively, and we have invested heavily to meet those demands. We have witnessed a complete transition from dialup to broadband, and are now seeing customer use evolve from browsing to streaming. Today over 95% of the companies' customers have access to some level of DSL service, but the oldest technologies providing DSL to rural customers are not capable of meeting the newer broadband standards. The projects described herein will provide greatly improved broadband speeds to existing and potential customers, exceeding the 4 megabit per second (Mbps) downstream and 1 Mbps upstream speeds currently designated as the FCC standard for broadband.

In taking this innovative "pilot program" approach, the Nebraska Public Service Commission provides much needed assistance for companies wanting to improve the broadband services in remote and low density areas. Without programs such as NEPB no economically rational business case exists to upgrade the quality of broadband service to level consistent with current standards and expectations in these underserved areas.

The Companies' application proposes four projects that will significantly improve access to high-speed broadband services to some of the most rural areas of the state. Approximately 162 locations will gain access to the Companies' broadband services of at least 4 megabits per second (Mbps) "downstream" and 1 Mbps "upstream".¹ Of these 162 locations, approximately 82% are existing customers with sub-standard (under 4 Mbps down/1 Mbps up) broadband. The remaining locations are occupied locations that are either unserved or served by a provider other than the Companies, most likely at low broadband speeds.

The census blocks from these four projects encompass over 730 square miles with an average density of 0.30 households per square mile.²

¹ See Tables 1 and 2 for broadband speeds and pricing

² This is the density calculated using census block data (households and square miles) in the project areas.

The Companies have divided the application into four separate projects. The projects, listed in order of priority, along with their associated cost are as follows:

- | | |
|---|--------------|
| 1. Project #1 Whitman, Consolidated Telephone | \$370,346.00 |
| 2. Project #2 Maxwell, Consolidated Telecom, Inc. | \$166,822.00 |
| 3. Project #3 Madrid, Consolidated Telco, Inc. | \$248,190.00 |
| 4. Project #4 Curtis, Curtis Telephone | \$79,134.00 |

The Companies plan to deliver broadband packages as described in Table 1 below.

Table 1

Broadband Package – Speed	Package Price for Broadband and Voice
Bundle (5 Mbps down/1 Mbps up)	\$ 59.95
Bundle (10 Mbps down/1 Mbps up)	\$ 74.95
Bundle (15 Mbps down/5 Mbps up)	\$94.95
Bundle (20 Mbps down/10 Mbps up)	\$104.95

The allocation for the services in the bundle is described in Table 2 below.

Table 2

	5 Mbps down/1 Mbps up	10 Mbps down/1 Mbps up	15 Mbps down/5 Mbps up	20 Mbps down/10 Mbps up
Local Service	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95
Broadband Service	\$ 40.00	\$ 55.00	\$ 75.00	\$ 85.00
Total	\$ 59.95	\$ 74.95	\$94.95	\$104.95

The bundles and à la carte offerings are priced the same for all of the Companies' exchanges.

The NEBP was created to reach Nebraska customers that are the most challenging to serve and have limited broadband service capabilities. The Companies are seeking a NEBP grant to provide significantly increased broadband speeds to locations that are currently underserved. In addition to existing underserved broadband subscribers, the projects will provide access to high-speed broadband services for locations that do not currently subscribe to broadband or may be underserved by a provider other than the Companies.

Nebraska Broadband Pilot Program (NEBP) Application

1. ***A listing of all companies associated with the proposed broadband project that will provide the broadband or voice component of the service to consumers, including a main point of contact for all companies. (This requirement does not refer to vendors such as construction companies or equipment providers.)***

Project	Voice Service Provider	Broadband Provider
Whitman	Consolidated Telephone Company	Consolidated Connect
Maxwell	Consolidated Telecom, Inc.	Consolidated Connect
Madrid	Consolidated Telco, Inc.	Consolidated Connect
Curtis	Curtis Telephone Company	Consolidated Connect

Contact:

Brian Thompson-VP External Relations
P.O. Box 6147
Lincoln, NE 68506-0147
Ph. 402-489-2728
briant@nebnet.net

2. ***A description of the proposed broadband project plan for which NEBP funding is being requested including download and upload speed capabilities which can be provided using the proposed infrastructure. Minimum speed standards should be 4 mbps download and 1 mbps upload.***

Project Description:

In response to the funding opportunity provided by the NEBP, the Companies propose to improve broadband speeds to underserved locations by replacing aging node electronics with ADTRAN Digital Loop Carrier Equipment, FTTH and extending fiber to nodes currently served by copper. Many of the new fiber to the node (FTTN) facilities will have capabilities of up to 18 Mbps downstream and 1.5 Mbps upstream, while several of the of the FTTN facilities will have capabilities of up to 20 Mbps downstream and 10 Mbps upstream. At a minimum, all locations within the project areas will have access to 4 Mbps/1 Mbps service. The vast majority of subscribers within the proposed project areas will have access to the Companies' 10 Mbps/1 Mbps broadband service offering with only the most distant subscriber locations unable to have access to the higher speed offering. Certain locations within the four project areas will be served by facilities that have a 1 gigabit per second (Gbps) capability in both the down- and upstream direction.

The project areas proposed in this application have been served by digital loop carrier for 15 to 20 years. Although early generation digital loop carrier fed by copper cable can and does provide DSL service, such a facility cannot provide the true high-speed broadband required in today's environment. Extending fiber to the nodes and upgrading node electronics will allow rural customers to enjoy broadband speed and reliability comparable to customers living in nearby towns.

3. A description of which areas are "unserved" or "underserved" for each project in accordance with the Commission's definition.

Current status of Broadband in the proposed project area:

In NUSF 77 PO #5 the term "Unserved" was defined as any area where no facilities-based provider offers broadband, and where Internet connectivity can only be made through dial-up service. The term "Underserved" was defined as any area where a facilities-based provider offers Internet access at speeds greater than 56K down but not greater or equal to those speeds defined as broadband, 4 Mbps down x 1 Mbps up.

Some of the locations in the grant project areas have DSL service at speeds up to 1.5 Mbps, but none of the locations can get DSL at or above 4Mbps down/1Mbps up. Some of the locations may have access to cellular data.

4. A list in Excel Format of all the census blocks where broadband facilities would be deployed for the proposed project which shall include 2010 Census Block identification numbers of service area, by project.

An attached Excel spreadsheet lists census blocks where broadband facilities would be deployed. File name (***NEBP 2015 Appl Census Blocks Consolidated .xls***).

The proposed projects serve households in all the listed census blocks, but do not cover all the census blocks in their entirety, therefore, the census block household count is larger than the number of households that will be impacted by the proposed grant projects.

5. An estimate of the number of potential new broadband subscribers.

Table 3 provides a count of subscriber locations, an estimate of occupied unserved locations, and the number of occupied census block households by project area.

NEBP Grant Project Areas

Table 3

Location	Subscriber Locations in Project Area	Occupied Unserved Locations	Occupied Census Block Households
Project #1: Whitman	58	2	82
Project #2: Maxwell	14	10	45
Project #3: Madrid	51	13	59
Project #4: Curtis	11	3	37
Total	134	28	223

If the project applications are granted, The Companies estimate that 149 underserved households and 13 unserved households will be served with broadband meeting the federal standard of at least 4 Mbps up and 1 Mbps down.

6. A schedule for broadband deployment with commitment to complete the build-out within 24 months of approval of the application. The schedule should describe milestones in project completion increments of 25% and the estimated date by which the milestones will be completed.

The timelines for the 4 projects are as follows:

Project #1: Whitman

Time line:

1. April 27th, 2015
 - a. Submit State, County and Railroad ROW Applications
 - b. Begin staking final fiber route
 - c. Order Equipment from Adtran
 - d. Order Fiber, Duct and Vaults
2. May 11th, 2015
 - a. Evaluate all permit applications
 - b. Complete/Finalize staking of route for fiber installation
 - c. Receive approved County ROW permit(s)
 - d. Milestone (5%)**
3. May 27th, 2015
 - a. Notify all utilities in work area through Digger's Hotline of Nebraska.
4. June 1, 2015

- a. Deliver all OSP materials to jobsite
 - b. Begin construction of OSP portion of project
 - c. Receive approved State ROW permit(s)
5. July 6th, 2015
- a. Begin splicing and testing of fiber optic cable.
 - b. Begin installation of Adtran COE electronics
 - c. 50% of OSP installation completed
 - d. **Milestone (40%)**
6. July 31, 2015
- a. 85% of OSP installation completed
 - b. 50% of Adtran COE electronics installed
7. August 14th, 2015
- a. 100% of OSP installation completed
 - b. 75% of Adtran COE electronics installed.
 - c. 65% of OSP fiber splicing completed.
 - d. **Milestone (75%)**
8. August 21st, 2015
- a. Complete Installation of Adtran COE Electronics
 - b. Complete splicing and testing of fiber optics
 - c. Send in updated staking and usage sheets to accounting and drafting
 - d. Close any State, County and Railroad ROW permits
9. August 24th, 2015
- a. Begin customer cutover to Adtran Equipment
 - b. Notify all affected customers of new Broadband speeds available to them
10. September 11th, 2015
- a. Complete customer cutover to Adtran Equipment
 - b. Send plant updates into Customer Service
 - c. Notify drafting department to update the Nebraska Broadband Map
 - d. Notify accounting to close project
 - e. **Milestone (100%)**

Project #2: Maxwell

Time line:

1. April 27th, 2015
 - a. Submit State, County and Railroad ROW Applications
 - b. Begin staking final fiber route
 - c. Order Equipment from Adtran
 - d. Order Fiber, Duct and Vaults
2. May 8th 2015
 - a. Evaluate all permit applications
 - b. Complete/Finalize staking of route for fiber installation
 - c. Receive approved County ROW permit(s)
 - d. Milestone (5%)**
3. May 11th, 2015
 - a. Notify all utilities in work area through Digger's Hotline of Nebraska.
4. May 13th, 2015
 - a. Deliver all OSP materials to jobsite
 - b. Begin construction of OSP portion of project
 - c. Receive approved State ROW permit(s)
5. May 25th, 2015
 - a. Begin Installation of Adtran equipment
6. June 19th, 2015
 - a. Begin splicing and testing of fiber optic cable.
 - b. 50% of OSP installation complete
 - c. 15% of Adtran equipment installed
 - d. Milestone (40%)**
7. July 3rd, 2015
 - a. 100% of OSP installation complete
 - b. 100% of Adtran equipment installed
 - c. Milestone (75%)**
8. July 10th, 2015
 - a. Complete splicing and testing of fiber optics
 - b. Complete testing of Adtran electronics
9. July 13th, 2015
 - a. Begin cutting customers over to Adtran equipment
 - b. Identify and notify affected customers of increased broadband speeds available to them.
 - c. Update Nebraska Digger's Hotline maps with any new cable that has been installed.
 - d. Send in Material Usage to Inventory, Accounting and Drafting Departments
10. July 24th, 2015
 - a. Finish cutover of all affected customers to new equipment.

- b. Notify drafting to update the Nebraska Broadband Map
- c. Close work order
- d. Milestone (100%)**

Project #3: Madrid

Time line:

1. August 10th, 2015
 - a. Submit State, County and Railroad ROW Applications
 - b. Begin staking final fiber route
 - c. Adtran Equipment already ordered
 - d. Order Fiber, Duct and Vaults already ordered
2. August 21st, 2015
 - a. Evaluate all permit applications
 - b. Complete/Finalize staking of route for fiber installation
 - c. Receive approved County ROW permit(s)
 - d. Milestone (5%)**
3. September 9th, 2015
 - a. Notify all utilities in work area through Digger's Hotline of Nebraska.
4. September 14th, 2015
 - a. Deliver all OSP materials to jobsite
 - b. Begin construction of OSP portion of project
 - c. Receive approved State ROW permit(s)
5. October 9th, 2015
 - a. Begin splicing and testing of fiber optic cable.
 - b. 50% of OSP installation complete
 - c. Begin installation of Adtran electronics.
 - d. Milestone (40%)**
6. November 6th, 2015
 - a. 100% of OSP installation complete
 - b. Complete splicing and testing of fiber optics
 - c. Complete testing of Adtran electronics
 - d. Begin cutting customers over to Adtran equipment
 - e. Milestone (85%)**
7. November 13th, 2015
 - a. Identify and notify affected customers of increased broadband speeds available to them.
 - b. Update Nebraska Digger's Hotline maps with any new cable that has been installed.

- c. Send in Material Usage to Inventory, Accounting and Drafting Departments
- 8. November 25th, 2015
 - a. Finish cutover of all affected customers to new equipment.
 - b. Notify drafting to update the Nebraska Broadband Map
 - c. Close work order
 - d. Milestone (100%)**

Project #4: Curtis

Time line:

1. September 14th, 2015
 - a. Submit State, County and Railroad ROW Applications
 - b. Begin staking final fiber route
 - c. Adtran Equipment already ordered
 - d. Fiber, Duct and Vaults already ordered
2. September 28th, 2015
 - a. Evaluate all permit applications
 - b. Complete/Finalize staking of route for fiber installation
 - c. Receive approved County ROW permit(s)
 - d. Milestone (5%)**
3. October 7th, 2015
 - a. Notify all utilities in work area through Digger's Hotline of Nebraska.
4. October 12th, 2015
 - a. Deliver all OSP materials to jobsite
 - b. Begin construction of OSP portion of project
 - c. Receive approved State ROW permit(s)
5. October 23rd, 2015
 - a. Begin splicing and testing of fiber optic cable.
 - b. 50% of OSP installation complete
 - c. Begin installation of Adtran electronics.
 - d. Milestone (40%)**
6. November 20th, 2015
 - a. 100% of OSP installation complete
 - b. Complete installation of Adtran Equipment
 - c. Complete splicing and testing of fiber optics
 - d. Complete testing of Adtran Equipment
 - e. Begin cutting customers over to Adtran Equipment
 - f. Milestone (85%)**
7. November 30th, 2015
 - a. Identify and notify affected customers of increased broadband speeds available to them.

- b. Update Nebraska Digger’s Hotline maps with any new cable that has been installed.
 - c. Send in Material Usage to Inventory, Accounting and Drafting Departments
8. December 11th, 2015
- a. Finish cutover of all affected customers to new equipment.
 - b. Notify drafting to update the Nebraska Broadband Map
 - c. Close work order
 - d. **Milestone (100%)**
7. ***A proposed budget, showing total project costs, in electronic format, with a detailed breakdown of the cost elements and a depreciation schedule showing the life of the investment.***

The financial cost estimates and detailed breakdown of all portions of these projects are provided in electronic Excel format with the following file names ***NEBP 2015 Appl Cost Est Consolidated Confidential.xlsx*** and ***NEBP 2015 Appl Cost Est Consolidated Redacted.xlsx***. The proposed projects are intended to serve a subset of current and potential subscriber locations with high-speed broadband facilities. The Companies expect the new facilities to be more reliable and less costly to maintain than the copper fed carrier systems currently serving most of these customers.

Backbone or middle mile expense may increase as a result of greater utilization made possible by higher speed broadband services. This potential expense increase is a non-regulated expense item and not included as part of the application.

8. ***Proposed retail pricing, including both monthly recurring costs and nonrecurring costs for the new broadband service(s) to be offered. (Pricing shown in Table 4 below)***

Table 4
Recurring Monthly Prices

Broadband Package with Voice	Package Price	Broadband Portion
Bundle (5 Mbps down/1 Mbps up)	\$ 59.95 Plus SLC	\$ 40.00
Bundle (10 Mbps down/1 Mbps up)	\$ 74.95 Plus SLC	\$ 55.00
Bundle (15 Mbps down/5 Mbps up)	\$94.95 Plus SLC	\$ 75.00
Bundle (20 Mbps down/10 Mbps up)	\$104.95 Plus SLC	\$ 85.00

Table 4 (continued)
Nonrecurring Prices and CPE*

Broadband Activation charge	\$89.95
Customer Modem Kit (CPE)	\$79.95

*Nonrecurring charges are often waived or discounted during marketing of broadband services

9. Retail rate(s) charged for basic voice service.

The Companies' local rate for voice service is \$19.95 plus a \$6.50 Subscriber Line Charge.

10. A description of the applicant's commitment to offer broadband services to all households within the service area of the project for a minimum of five (5) years.

The Companies have a long history of providing modern, high-quality communication services to the proposed areas and commits to offer broadband services to all households within the projects' service areas for a minimum of five (5) years.

11. A description of the applicant's commitment to provide broadband data to the Commission and its vendors for the duration of the State Broadband Data and Development (SBDD) program so that this broadband coverage area can be depicted on the Commission's state broadband data inventory map and on the National Telecommunications and Information Administration's (NTIA's) national broadband map.

The Companies have provided broadband data to the Commission since the inception of the broadband data collection program, and has worked proactively with the Commission to improve and facilitate the provision of such data. The applicant commits to continue to provide this broadband data in an accurate and timely manner.

12. A description of the applicant's financial qualifications, which may be filed on a confidential basis, to meet the commitments made in the application. Form M will suffice.

The Companies have operated with positive net income for several decades. The companies' balance sheets are strong, with little or no debt. Copies of the Companies' 2013 Form M Reports are on file with the Commission, which we request remain confidential. The proposed projects are important to the customers who will be served, but will not have a material effect on the Companies' financial viability. The Companies' financial qualifications are more than adequate for the successful implementation and operation of the proposed project.

13. If the applicant does not have a certificate of public convenience and necessity to provide telecommunications services in Nebraska, a demonstration of the applicant’s financial, technical, and managerial competence.

All four companies in this joint application possess Certificates of Public Convenience and Necessity to provide telecommunications services in Nebraska.

14. A description of the applicant’s financial match which will be used to meet the commitments made in the application. Applicant shall submit a proposed budget for the entire project cost. Consistent with the Department’s recommendation, the applicants may provide invoices to the Commission based upon 25 percent milestones. Once those are reached, the Commission would reimburse 75 percent of the invoice cost and the grantee would be responsible for the remaining 25 percent.

The Companies commit to fund at least 25% of the project cost and will seek grant funds for the remaining 75%. The Companies commit to provide project invoices as required based upon the completion milestones identified in NUSF 77 PO #5. A detailed cost estimate is included in the answer to Item 6 above. A summary of total cost and match for all three projects is contained in Table 5 below.

Table 5

Summary of Total Projects and Match

Cost Estimate Total	Consolidated 25% Match	NPSC 75% NEBP Grant Request
\$864,492	\$216,123	\$648,369

15. An affidavit from the Applicant attesting to the truth and accuracy of all information included in the application.

Attached as the final page of this document is a signed affidavit attesting to the information being provided to the Nebraska Public Service Commission.

AFFIDAVIT

STATE OF NEBRASKA)
) ss.
COUNTY OF LANCASTER)

I, Charles Fast, am the Vice President of Consolidated Telephone Company, Consolidated Telco, Inc., Consolidated Telecom, Inc., and Curtis Telephone Company, wholly owned subsidiaries of Consolidated Companies, Inc., and an applicant before the Nebraska Public Service Commission seeking funding from the Nebraska Universal Service Fund under the Nebraska Broadband Pilot Program. I hereby verify and attest that all information provided in support of this application is truthful and accurate to the best of my knowledge.

Charles Fast

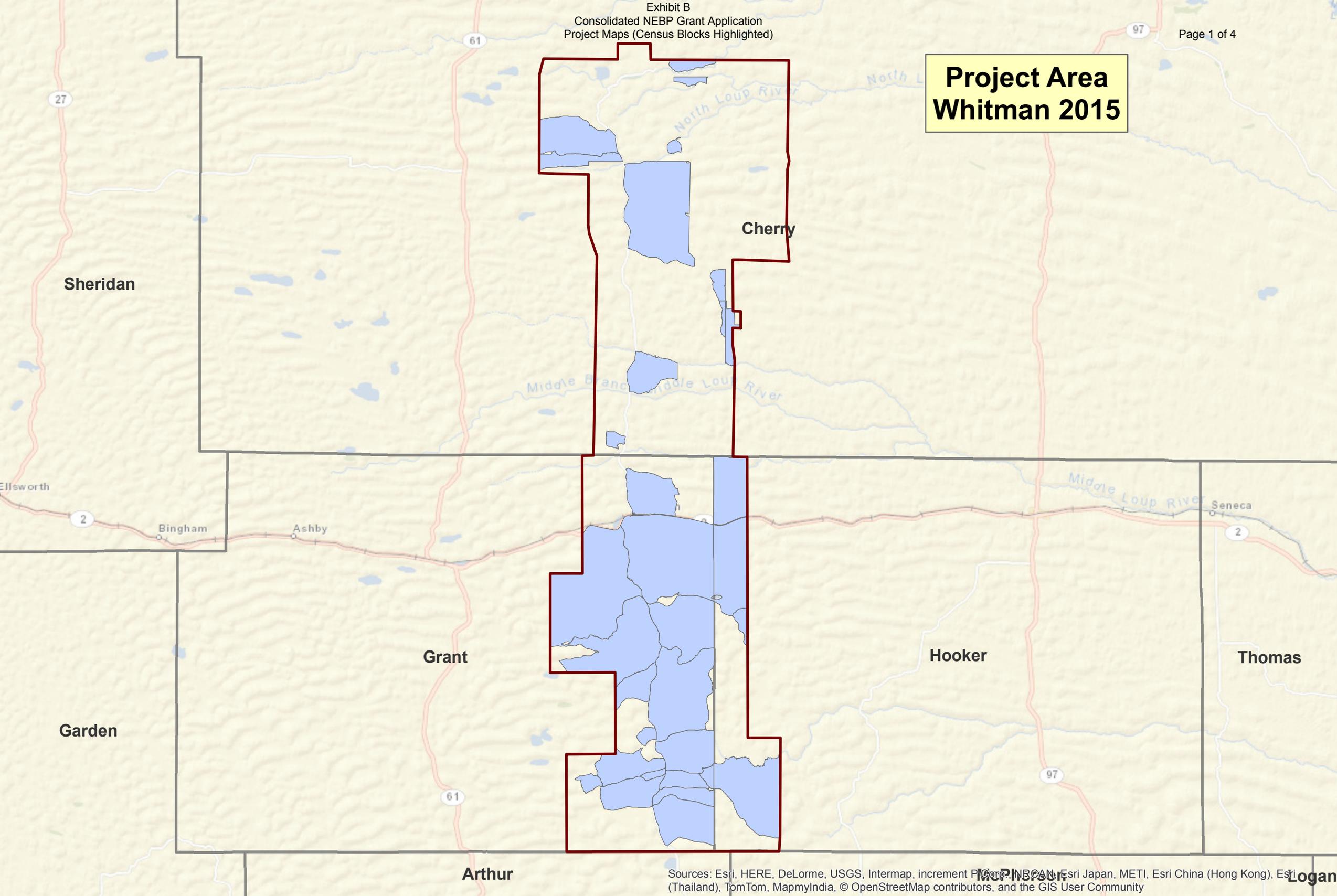
SUBSCRIBED AND SWORN to before me this 26th day of November, 2014.

Notary Public

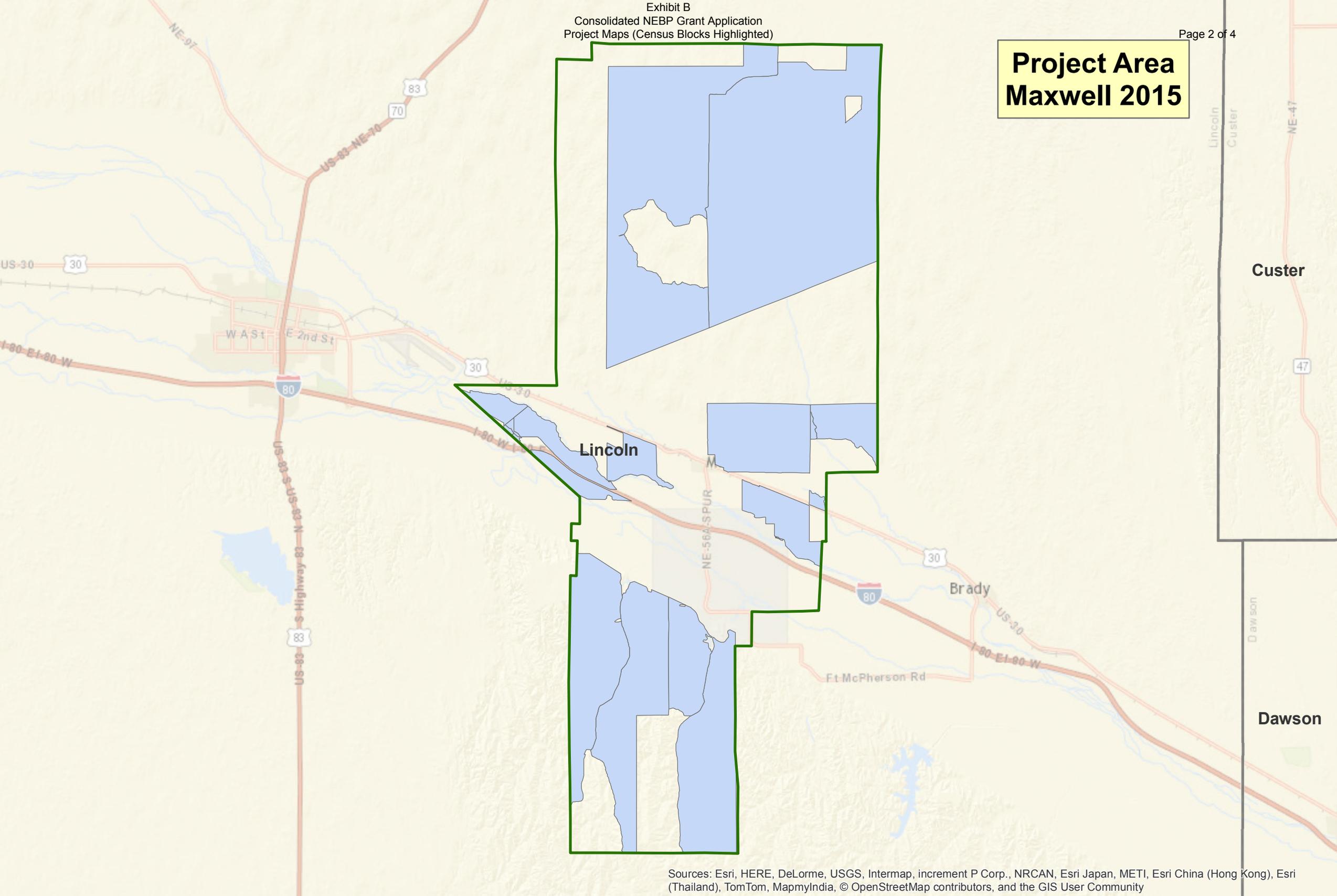
Exhibit A
Consolidated NEBP Application
Summary of Project Cost

Description	Whitman	Maxwell	Madrid	Curtis	Total Projects
Outside Plant	\$ 268,258	\$ 124,473	\$ 190,756	\$ 41,082	\$ 624,569
Central Office Equipment	\$ 102,088	\$ 42,349	\$ 57,434	\$ 38,052	\$ 239,923
Total Cost	\$ 370,346	\$ 166,822	\$ 248,190	\$ 79,134	\$ 864,492
Existing Subscribers	58	14	51	11	134
Estimated Occupied Unserved Households	2	10	13	3	28
Estimated Passings	60	24	64	14	162
Cost per Passing	\$ 6,172	\$ 6,951	\$ 3,878	\$ 5,652	\$ 5,336
Total Households in Census Blocks	82	45	59	37	223
Total Square Miles in Census Blocks	435.57	182.58	83.25	33.86	735.25
Density (Households/Square Mile)	0.19	0.25	0.71	1.09	0.30

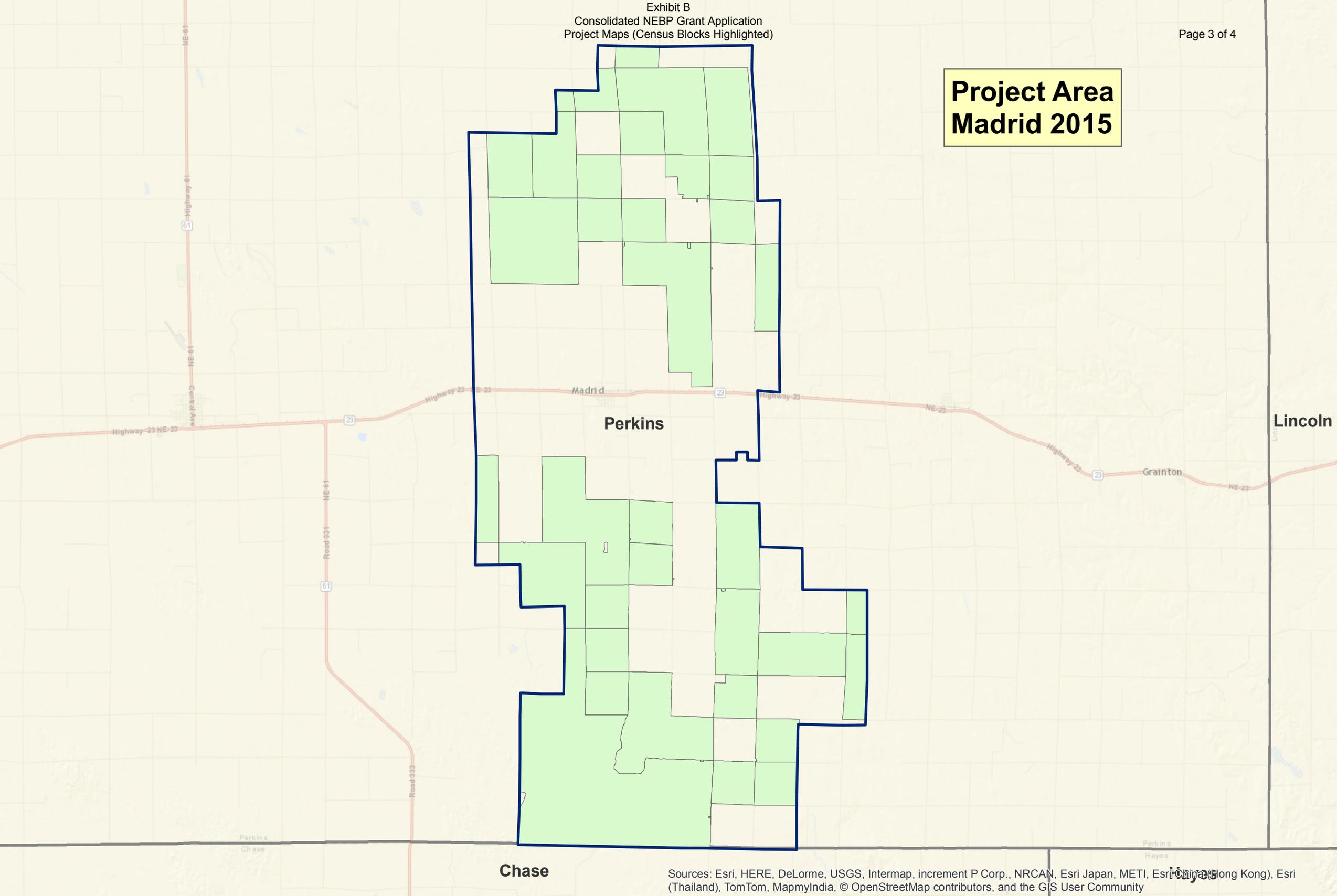
**Project Area
Whitman 2015**



**Project Area
Maxwell 2015**



**Project Area
Madrid 2015**



Project Area Curtis 2015

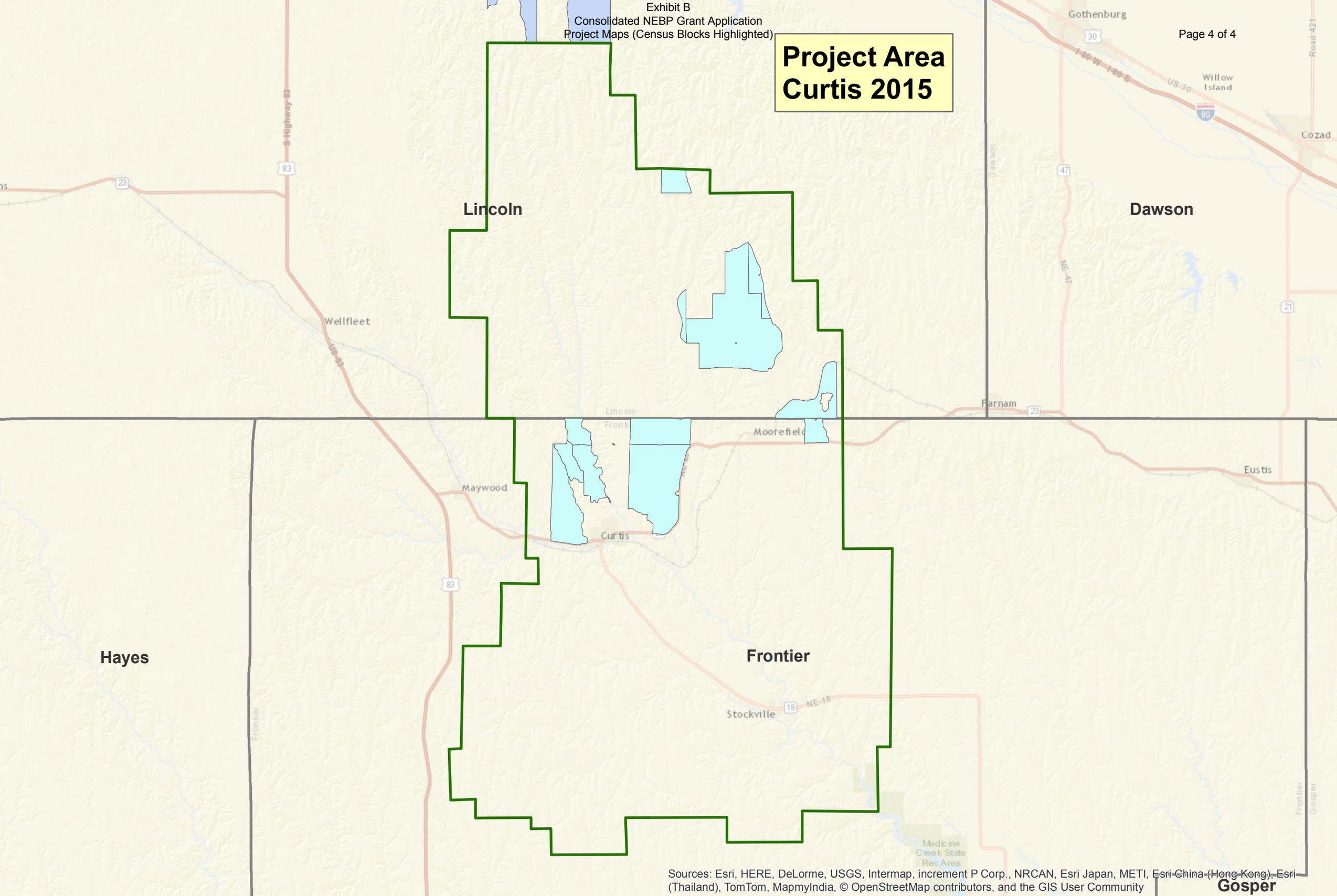


Exhibit C
Consolidated NEBP Application
Summary of Project Cost

Ln	Material	Units	Cost / Unit	Project #1 Whitman		Project #2 Maxwell		Project #3 Madrid		Project #4 Curtis		Total
				# of Units	Mat. Cost	# of Units	Mat. Cost	# of Units	Mat. Cost	# of Units	Mat. Cost	
Outside Plant												
1	4 Fiber	ft										
2	8 fiber	ft										
3	12 fiber	ft										
4	24 fiber	ft										
5	48 fiber	ft										
6	72 fiber	ft										
7	96 fiber	ft										
8	120 fiber	ft										
9	144 fiber	ft										
10	240 fiber	ft										
11	1.25" Duct	ft										
12	Copper	K/ft										
13	Vault / cone	Each										
14	Vault Kit	Each										
15	Marconi Base (Upper & Lower)	Each										
16	Meter Loop	Each										
17	Fiber Drops	Each										
18	Fiber Splice	Each										
19	Item 19	Each										
20	Item 20	Yard										
21	Length of Route	ft										
22	Total OSP Materials Cost	Sum Ln 1..Ln 20		\$ 268,258	\$ 124,473	\$ 190,756	\$ 41,082					
COE Equipment												
23	Whitman Electronics				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
24	Maxwell Electronics			\$ -				\$ -			\$ -	
25	Madrid Electronics			\$ -	\$ -						\$ -	
26	Curtis Electronics			\$ -	\$ -	\$ -						
27	Reserved			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
28	Reserved			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
29	Reserved			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
30	Reserved			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
31	Total COE Materials Cost	Sum Ln 23..Ln31		\$ 102,088	\$ 42,349	\$ 57,434	\$ 38,052					
32	Total OSP+COE Materials Cost	Ln 22+Ln 31		\$ 370,346	\$ 166,822	\$ 248,190	\$ 79,134					\$ 864,492
33	Portion Funded by NEBP		75%	\$ 277,760	\$ 125,117	\$ 186,143	\$ 59,351	\$ 648,369				
34	Portion Funded by Consolidated		25%	\$ 92,587	\$ 41,706	\$ 62,048	\$ 19,784	\$ 216,123				
35	Number of Occupied Passings			60	24	64	14	162				
36	Total Cost per Passing	Ln 32/Ln 35		\$ 6,172	\$ 6,951	\$ 3,878	\$ 5,652	\$ 5,336				

Exhibit D
Consolidated NEBP Application
Five Year Plant and Depreciation

DEPRECIATION SCHEDULE

ACCOUNT NUMBER AND TITLE OF PLANT ACCOUNTS AND ITS SUBCLASSES (a)	LIFE (Years) (c)	NET SALVAGE (%) (d)	RESERVE (%) (e)	RATE (%) (f)
2121 Buildings	22.22			4.50%
2122 Furniture	12.50			8.00%
2212 Digital Electronic Switching	12.50			8.00%
2231.2 Radio Systems	6.67			15.00%
2232.1 Subscriber Carrier	6.67			15.00%
2232.1 Subscriber Carrier- Digital	8.00		Central Office Equipment	12.50%
2232.2 Toll Carrier	8.00			12.50%
2311 Station Apparatus				
2321 Station Connections	10.00			10.00%
2411 Poles & Towers	5.56			18.00%
2423.1 Local Buried Cable	25.00			4.00%
2423.1 Local Fiber Cable	30.00		Outside Plant	3.33%
2423.2 Toll Fiber Cable	30.00			3.33%

Additions To Plant

Additions to Plant	2014 Additions	2015 Additions	2016 Additions	2017 Additions	2018 Additions	2019 Additions
Buildings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Furniture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Digital Electronic Switching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Radio Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subscriber Carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subscriber Carrier- Digital	\$ -	\$ 59,981	\$ -	\$ -	\$ -	\$ -
Toll Carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Station Apparatus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Station Connections	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Poles & Towers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Buried Cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Fiber Cable	\$ -	\$ 156,142	\$ -	\$ -	\$ -	\$ -
Toll Fiber Cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ 216,123	\$ -	\$ -	\$ -	\$ -

Exhibit D
Consolidated NEBP Application
Five Year Plant and Depreciation

Depreciation Expense

Calculation of Depreciation	Depr Rate	2014 Depr	2015 Depr	2016 Depr	2017 Depr	2018 Depr	2019 Depr	2013 Asset Balance	2013 A/D Balance
Buildings	4.50%							\$ -	
Furniture	8.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Digital Electronic Switching	8.00%	-	-	-	-	-	-	-	-
Radio Systems	15.00%	-	-	-	-	-	-	-	-
Subscriber Carrier	15.00%	-	-	-	-	-	-	-	-
Subscriber Carrier- Digital									
Central Office Equipment	12.50%	-	7,498	7,498	7,498	7,498	7,498	-	-
Toll Carrier	12.50%	-	-	-	-	-	-	-	-
Station Apparatus	0.00%	-	-	-	-	-	-	-	-
Station Connections	10.00%	-	-	-	-	-	-	-	-
Poles & Towers	18.00%	-	-	-	-	-	-	-	-
Local Buried Cable	4.00%	-	-	-	-	-	-	-	-
Local Fiber Cable									
Outside Plant	3.33%	-	5,200	5,200	5,200	5,200	5,200	-	-
Toll Fiber Cable	3.33%	-	-	-	-	-	-	-	-
		\$ -	\$ 12,697	\$ 12,697	\$ 12,697	\$ 12,697	\$ 12,697	\$ -	\$ -

Accumulated Depreciation

	Accumulated Depreciation for Book Purposes					
	2014	2015	2016	2017	2018	2019
Buildings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Furniture	-	-	-	-	-	-
Digital Electronic Switching	-	-	-	-	-	-
Radio Systems	-	-	-	-	-	-
Subscriber Carrier	-	-	-	-	-	-
Subscriber Carrier- Digital						
Toll Carrier	-	-	-	-	-	-
Station Apparatus	-	-	-	-	-	-
Station Connections	-	-	-	-	-	-
Poles & Towers	-	-	-	-	-	-
Local Buried Cable	-	-	-	-	-	-
Local Fiber Cable						
Toll Fiber Cable	-	5,200	10,399	15,599	20,798	25,998
Outside Plant	-	-	-	-	-	-
	\$ -	\$ 12,697	\$ 25,394	\$ 38,091	\$ 50,789	\$ 63,486

Exhibit E
Census Block Information
Whitman

FID	GEOID10	AREA	POPULATION	HOUSEHOLDS
0	310319559002195	8.9383	2	1
1	310319559002429	0.5135	0	0
2	310319559002430	5.6	0	0
3	310319559002425	5.3253	0	0
4	310319559001844	1.4738	5	3
5	310319559002156	0.5617	2	2
6	310319559002168	19.06	8	2
7	310319559001889	0.7652	0	0
8	310319559002233	1.3611	5	3
9	310319559002212	22.7057	6	2
10	310319559002514	0.8867	2	1
11	310759563001205	7.3425	1	1
12	310759563001235	1.1206	4	1
13	310759563001276	5.8019	5	1
14	310759563001283	2.8422	6	3
15	310759563001286	8.7267	6	2
16	310759563001213	0.9188	0	1
17	310759563001167	11.7859	0	0
18	310759563001280	0.8168	0	0
19	310759563001211	7.6115	10	2
20	310759563001159	7.1044	11	5
21	310759563001207	17.3377	3	2
22	310759563001278	2.4873	4	1
23	310759563001277	0.5838	4	1
24	310759563001172	18.0152	3	2
25	310759563001127	36.2516	18	6
26	310759563001236	6.1864	4	3
27	310759563001153	25.5344	17	7
28	310919567001020	38.9872	6	2
29	310919567001153	45.727	8	4
30	310919567001024	0.0444	0	0
31	310919567001026	71.5821	51	22
32	310919567001146	51.5691	15	2
Total		435.569	206	82

Exhibit F
Census Block Information
Maxwell

FID	GEOID10	AREA	POPULATION	HOUSEHOLDS
0	311119597002280	2.9924	3	2
1	311119597002157	0.0989	6	1
2	311119597004017	1.1887	0	0
3	311119597002154	21.4043	11	4
4	311119597002292	0.1812	6	2
5	311119597004206	9.0067	2	1
6	311119597004115	31.7689	43	14
7	311119597002159	5.8632	16	6
8	311119597002224	1.6045	2	1
9	311119597002330	0.0011	0	0
10	311119597002281	0.0062	2	1
11	311119597002241	0.0615	0	0
12	311119597002080	64.4363	8	3
13	311119597002248	0.0597	0	0
14	311119597002092	25.2895	4	1
15	311119597002214	0.0665	0	0
16	311119597004194	12.5263	7	3
17	311119597002209	0.8881	5	1
18	311119597002215	1.8155	10	2
19	311119597004184	3.3173	8	3
Total		182.577	133	45

Exhibit G
Census Block Information
Madrid

FID	GEOID10	AREA	POPULATION	HOUSEHOLDS
0	311359593002294	0.0011	0	0
1	311359593002320	3.3764	0	0
2	311359593002262	0.0012	4	1
3	311359593002324	0.9957	8	2
4	311359593002267	3.9791	1	1
5	311359593002087	0.0061	0	0
6	311359593002313	2.0405	7	1
7	311359593002288	3.9878	11	4
8	311359593002292	0.9736	3	1
9	311359593001087	3.0925	2	1
10	311359593001102	0.001	5	1
11	311359593001098	1.0282	3	1
12	311359593001096	2.0449	3	2
13	311359593002317	0.9952	2	1
14	311359593002321	16.3857	9	5
15	311359593002083	0.0011	1	1
16	311359593002329	0.9788	1	1
17	311359593001090	1.0098	1	1
18	311359593002082	0.0085	5	1
19	311359593001109	0.005	0	0
20	311359593001110	4.0928	8	4
21	311359593002081	4.2246	1	1
22	311359593002326	0.0015	0	0
23	311359593001137	3.9048	16	4
24	311359593002325	0.9944	0	0
25	311359593002287	1.0059	2	1
26	311359593002260	2.0049	2	1
27	311359593002323	0.0025	0	0
28	311359593002293	0.994	2	1
29	311359593002330	1.0012	5	1
30	311359593001108	0.0024	0	0
31	311359593002297	0.0055	5	1
32	311359593001111	1.0288	0	0
33	311359593002407	1.9812	1	1
34	311359593002073	1.0332	0	0
35	311359593001095	2.0686	14	3
36	311359593002075	3.9263	3	1
37	311359593002296	2.0069	2	1
38	311359593001100	0.8719	1	1
39	311359593001086	1.0184	2	1
40	311359593001079	2.0176	2	1
41	311359593002072	1.0465	5	2
42	311359593002315	1.0379	0	0
43	311359593002311	0.9422	6	4
44	311359593001430	2.0792	2	2
45	311359593001112	1.0236	3	1
46	311359593001136	0.995205	2	1
47	311359593001088	1.0265	4	1
Total		83.251	154	59

Exhibit H
Census Block Information
Curtis

FID	GEOID10	AREA	POPULATION	HOUSEHOLDS
0	310639611003015	6.4191	7	3
1	310639611003038	0.8814	2	1
2	310639611003027	1.677	3	3
3	310639611002257	0.7855	1	1
4	310639611003020	0.0034	2	1
5	310639611003017	2.4882	3	2
6	310639611003031	0.8426	2	1
7	310639611001008	3.3035	39	17
8	311119597004436	10.3204	3	1
9	311119597004498	2.3182	4	1
10	311119597004360	3.3694	9	3
11	311119597004451	0.4623	2	1
12	311119597004435	0.9864	5	2
Total		33.86	82	37