



**Broadband Technology Opportunities Program  
Public Computer Centers Program – Sustainable Adoption Program**

<b>Submitted Date:</b> <b>Easygrants ID: 1425</b>	
<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program	<b>Applicant Organization:</b> City of Williamstown
<b>Task:</b> Submit Due Diligence - BTOP	<b>Applicant Name:</b> Mr. Douglas Carlton Crumley Beckham

**Uploads**

The following pages contain the following uploads provided by the applicant:

<b>Upload Name</b>
Due Diligence Documentation



**Broadband Technology Opportunities Program  
Public Computer Centers Program – Sustainable Adoption Program**

<b>Submitted Date:</b> <b>Easygrants ID: 1425</b>	
<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program	<b>Applicant Organization:</b> City of Williamstown
<b>Task:</b> Submit Due Diligence - BTOP	<b>Applicant Name:</b> Mr. Douglas Carlton Crumley Beckham

Due Diligence Documentation

To preserve the integrity of the uploaded document, headers, footers and page numbers have not been added by the system

## Budget Information—Construction Programs

**Note: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.**

Cost Classification	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Column a-b)
1. Administrative and legal expenses	\$ 5000 .00	\$ .00	\$ 5000 .00
2. Land, structures, rights-of-way, appraisals, etc.	\$ .00	\$ .00	\$ .00
3. Relocation expenses and payments	\$ .00	\$ .00	\$ .00
4. Architectural and engineering fees	\$ 12500 .00	\$ .00	\$ 12,500 .00
5. Other architectural and engineering fees	\$ .00	\$ .00	\$ .00
6. Project inspection fees	\$ .00	\$ .00	\$ .00
7. Site work	\$ .00	\$ .00	\$ .00
8. Demolition and removal	\$ .00	\$ .00	\$ .00
9. Construction	\$ 182975 .00	\$ .00	\$ 182975 .00
10. Equipment	\$ 468660 .00	\$ .00	\$ 468660 .00
11. Miscellaneous	\$ .00	\$ .00	\$ .00
<b>12. Subtotal</b>	<b>\$ 669135 .00</b>	<b>\$ .00</b>	<b>\$ 669135 .00</b>
13. Contingencies (sum of lines 1-11)	\$ .00	\$ .00	\$ .00
<b>14. Subtotal</b>	<b>\$ .00</b>	<b>\$ .00</b>	<b>\$ .00</b>
15. Project (program) income	\$ .00	\$ .00	\$ .00
<b>16. Total Project Costs (subtract #15 from #14)</b>	<b>\$ 669135 .00</b>	<b>\$ .00</b>	<b>\$ 669135 .00</b>

<b>Federal Funding</b>		
17. Federal assistance requested, calculate as follows: Enter eligible costs from line 16c <u>669135</u> Multiply x <u>80</u> % (Consult Federal agency for Federal percentage share). Enter the resulting Federal share. ....		\$ 535,308 .00

FORM CD-346  
(REV. 10-07)  
DAO 207-10

U.S. DEPARTMENT OF COMMERCE

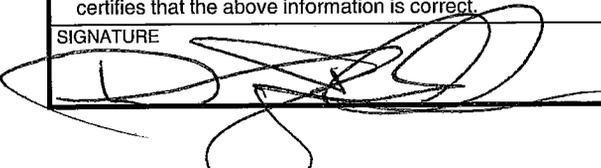
**DO NOT COMPLETE THIS SECTION**

DATE OF REQUEST

**APPLICANT FOR FUNDING ASSISTANCE**

- 
- NAME CHECK
- 
- 
- IDENTIFICATION CHECK

**INSTRUCTIONS:** Please type or print clearly. Information below will be used for investigation of named person's or firm's character and/or integrity. In answer to question 11 below, the fact that you may have a conviction record or have criminal charges pending against you will not necessarily disqualify you. An incorrect answer may cause your application to be turned down. Please read Privacy Act Advisory Statement on reverse of form.

1. NAME OF APPLICANT (If no middle name use (NMN). Also list former names used).		5. NAME AND ADDRESS OF FIRM (Post Office Box is not sufficient)	
LAST	FIRST	MIDDLE	MAIDEN
Beckham	Douglas	Carlton	Crumley
SPOUSE Diane B. Beckham		6. PHONE NUMBER OF FIRM (859) 824-3606	7. REGIONAL OFFICE
2. DATE OF BIRTH December 20, 1953		3. SOCIAL SECURITY NUMBER (Voluntary) 225 82 6152	
4. PLACE OF BIRTH Jacksonville, FL		8. U.S. CITIZEN? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If no, give alien registration number)	
9. EMPLOYMENT (Last 3 years)			
FROM	TO	EMPLOYER NAME AND COMPLETE ADDRESS	
1995	Present		
10. RESIDENCE (Last 3 years)			
FROM	TO	COMPLETE ADDRESS	
2000	Present		
11. HAVE YOU EVER BEEN CONVICTED OF A CRIMINAL OFFENSE OR ARE CRIMINAL CHARGES PENDING AGAINST YOU? (You may omit minor traffic violations).			
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, please furnish details on the reverse side of this form).			
12. RESULTS OF CHECK (Government Use Only)			
With knowledge of 18 U.S.C. 1001 and 42 U.S.C. 3220 which provide for criminal penalties for the making of false statements, the undersigned hereby certifies that the above information is correct.			
SIGNATURE 			DATE 7.0.25.2010

## PRIVACY ACT ADVISORY STATEMENT

The Privacy Act of 1974 (P.L. 93-479) requires that you be given certain information in connection with: (a)  The request for information solicited on Form CD-346; or (b)  The request for your Social Security Number. Accordingly, pursuant to the requirements of the Act, please be advised:

THE AUTHORITY FOR THE COLLECTION OF THIS DATA IS: 42 USC 3211(12); as well as the responsibilities cited in the Inspector General Act of 1978, Sec. 4(a)(3)

THE PRINCIPAL PURPOSE(S) FOR WHICH THE DATA WILL BE USED IS:

Information is used to establish good character of principal officers and employees of organizations, firms or recipients or beneficiaries of grants, loans, or loan guarantee programs that may receive grants, loans, or guarantees from the U.S. Department of Commerce.

YOUR SOCIAL SECURITY NUMBER IS VOLUNTARY DATA, BUT PROVIDING YOUR SOCIAL SECURITY NUMBER MAY REDUCE DELAYS IN THE REVIEW PROCESS.

QUESTION 11 CONTINUATION:

### PREFATORY STATEMENT OF GENERAL ROUTINE USES

The following routine uses apply to, and are incorporated by reference into, each system of records set forth below:

1. In the event that a system of records maintained by the department to carry out its functions indicates a violation or potential violation of law or contract, whether civil, criminal or regulatory in nature, and whether arising by general statute or particular program statute or contract, or rule, regulation, or order issued pursuant thereto, or the necessity to protect an interest of the Department, the relevant records in the system of records may be referred, as a routine use, to the appropriate agency, whether federal, state, local or foreign, charged with the responsibility of investigating or prosecuting such violation or charged with enforcing or implementing the statute or contract, or rule, regulation or order issued pursuant thereto, or protecting the interest of the Department.
2. A record from this system of records may be disclosed, as a routine use, to a Federal, state or local agency maintaining civil, criminal or other relevant enforcement information or other pertinent information, such as current licenses if necessary to obtain information relevant to a Department decision concerning the hiring or retention of an individual, the issuance of a security clearance, the letting of a contract, or the issuance of a license, grant or other benefit.
3. A record from this system may be disclosed, as a routine use, to a Federal, state, or local, or international agency, in response to its request, in connection with the assignment, hiring or retention of an individual, the issuance of a security clearance, the reporting of an investigation of an individual, the letting of a contract, or the issuance of a license, grant, or other benefit by the requesting agency, to the extent that the information is relevant and necessary to the requesting agency's decision on the matter.
4. A record from this system of records may be disclosed, as a routine use in the course of presenting evidence to a court, magistrate or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
5. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual when the individual has requested assistance from the Member with respect to the subject matter of the record.
6. A record in this system of records which contains medical information may be disclosed, as a routine use, to the medical advisor of any individual submitting a request for access to the record under the Act and 15 CFR Part 4b if, in the sole judgement of the Department, disclosure could have an adverse effect upon the individual, under the provision of 5 U.S.C. 552a(f) (3) and implementing regulations at 15 CFR 4b.6.
7. Deleted, Reserved.
8. A record in this system of records may be disclosed, as a routine use, to the Office of Management and Budget in connection with the review of private relief legislation as set forth in OMB Circular No. A-19 at any state of the legislative coordination and clearance process as set forth in that Circular.
9. A record in this system may be disclosed, as a routine use, to the Department of Justice in connection with determining whether disclosure thereof is required by the Freedom of Information Act 5 U.S.C. 552.
10. A record from this system of records may be disclosed, as a routine use, to a contractor of the Department having need for the information in the performance of the contract, but not operating a system of records within the meaning of 5 U.S.C. 552a(m).
11. Deleted, Reserved.
12. A record in this system may be transferred, as a routine use, to the Office of Personnel Management for personnel research purposes; as a data source for management information; for the production of summary descriptive statistics and analytical studies in support of the function for which the records are collected and maintained; or for related man-power studies.
13. A record in this system of records may be disclosed, as a routine use, to the Archivist of the United States, National Archives & Records Administration (NARA), or his designee, during an inspection of records conducted by NARA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the NARA regulations governing inspection of records for this purpose, and other relevant (i.e., NARA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

The public reporting burden for this collection is estimated to average 15 minutes per response including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Office of Inspector General, Department of Commerce, 1401 Constitution Avenue, NW, Washington, DC 20230.

Key Metrics Dashboard  
Last Mile Project  
Version 20100111 1.0

Applicant Profile	
Applicant Name	<b>City of Williamstown</b>
Project Title	<b>Deployment of Broadband to Corinth, KY &amp; Other Areas in Grant County, KY and Owen County, KY</b>
EasyGrant ID	<b>1425</b>
Headquarters	<b>Williamstown, KY</b>
Size of Sponsoring Entity	<ul style="list-style-type: none"> <li>• Current Year Revenues: Total City: <b>\$10,041,925.00 (2008-09)</b> Network: <b>\$208,494</b></li> <li>• Employees: Total City: <b>42</b> Network: <b>20</b></li> <li>• Current Network: <ul style="list-style-type: none"> <li>○ <b>Number of Fiber Miles Managed: 40 miles</b></li> <li>○ <b>Number of Wireless Miles Square: 11 Wireless coverage sites covering 308 square miles</b></li> </ul> </li> </ul> <p><i>Note: Please provide 2009 data if available</i></p>
Technology Type	<b>Fiber Aerial</b>
Key Partners	<b>City of Corinth, Corinth Water District, Corinth Volunteer Fire Department</b>

Project Economics			
Budget Information		Project Financials	
Capital Budget	<b>669,135</b>	Project Revenues (Yr 5)	<b>387,801.41</b>
Federal Contribution (%)	<b>535,308</b>	Net Income and Margin (Yr 5)	<b>95,055.41</b>
Cash Match Amount (%)	<b>133,827</b>	EBITDA and Margin (Yr 5)	<b>151,374.41</b>
In Kind Match Amount (%)	<b>0</b>	Debt to Assets Ratio (Year 5 – for project)	<b>.13</b>
Cost Efficiency			
Cost per Mile (new fiber)	<b>\$25,146.96</b>	Only include fiber-build related capital costs	
Cost per Site (total sites)	N/A: no site cost	Include all relevant site-related capital costs (land, huts, towers, antennas, radios, construction)	

Network Metrics	
Geographic Area(s)	The City of Corinth, KY and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area, are located in the southern part of Grant County, KY. The area is 100% rural. According to the 2000 Census, the City of Corinth has a population of 181 and the population for the proposed service area is 930.
<b>New Network Construction</b>  (Do not include existing network elements)	<b>Note: If using a combination of fiber and wireless, complete the appropriate section for each technology used.</b> <ul style="list-style-type: none"> <li>• New Fiber Miles: <b>25</b> <ul style="list-style-type: none"> <li>○ New Backbone Miles: <b>25</b></li> <li>○ New Lateral Miles: <b>0, “Fiber-To-The-Home” construction.</b></li> </ul> </li> </ul>

Key Metrics Dashboard  
Last Mile Project  
Version 20100111 1.0

	<p style="text-align: center;"><b>Drops will be used of the backbone to reach subscribers.</b></p> <ul style="list-style-type: none"> <li>• New Microwave links: <b>0</b> <ul style="list-style-type: none"> <li>○ New MW Backbone Miles: <b>0</b></li> <li>○ New MW Lateral Miles: <b>0</b></li> <li>○ Spectrum to be Used: <b>N/A</b></li> <li>○ Licensed or Unlicensed?: <b>N/A</b></li> </ul> </li> <li>• New Wireless Coverage Sites: <b>0</b></li> <li>• Square Miles Covered: <b>50 square miles</b></li> <li>• Assumed Cell radius: <b>N/A</b></li> <li>• Spectrum to be Used: <b>GHz</b></li> <li>• Licensed or Unlicensed: <b>Unlicensed</b></li> </ul>
<b>Existing Network</b>	<p><b>Note: Please specify whether any of the existing network elements will be used as In-Kind contributions. <span style="color: red;">None of the existing network elements will be used as In-Kind contributions.</span></b></p> <ul style="list-style-type: none"> <li>• Total Fiber Miles: <b>40</b> <ul style="list-style-type: none"> <li>○ Backbone Fiber Miles: <b>40</b></li> <li>○ Lateral Fiber Miles: <b>0</b>, “Fiber-To-The-Home” construction. <b>Drops will be used of the backbone to reach subscribers.</b></li> </ul> </li> <li>• Total Microwave links: <b>0</b> <ul style="list-style-type: none"> <li>○ MW Backbone Miles: <b>0</b></li> <li>○ MW Lateral Miles: <b>0</b></li> </ul> </li> <li>• Wireless Coverage Sites: <b>0</b></li> <li>• Total Square Miles Covered: <b>0</b></li> <li>• Spectrum used: <b>N/A</b></li> <li>• Licensed or Unlicensed?:<b>N/A</b></li> </ul>
Leased Network Miles Utilized	<ul style="list-style-type: none"> <li>• Total Miles: <b>0</b> <ul style="list-style-type: none"> <li>○ Backbone Miles: <b>0</b></li> </ul> </li> <li>• Wireless Sites: <b>0</b></li> </ul>
Proposed Network Speed	<ul style="list-style-type: none"> <li>• Backbone: <b>10M</b></li> <li>• Laterals: <b>10M</b></li> <li>• End Users: <b>10M</b></li> </ul>
Total Points of Interconnection (POIs)	<ul style="list-style-type: none"> <li>• Total POIs: <b>1 PoP, 191 fusion splices</b> <ul style="list-style-type: none"> <li>○ POIs in Underserved/Unserved Areas: <b>The new network will have 4 nodes and 1 connection to the existing Williamstown network. 100% in unserved areas</b></li> </ul> </li> <li>• Total POIs Open to Other Last Mile Providers: <b>0</b></li> </ul>
Anchor Institutions (AIs) Directly Connected (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Directly Connected AIs: : <b>3, Corinth City Hall, Corinth Water District, &amp; Corinth Volunteer Fire Department</b></li> <li>• Located in Underserved/Unserved Areas: <b>3 and 100% of Total AIs Directly Connected</b></li> </ul>
<b>Market Territory</b>	
Underserved/Unserved	<ul style="list-style-type: none"> <li>• Proposed Coverage area in Underserved/Unserved Areas: <b>50 Square Miles and 100 % of Total Square Miles</b></li> </ul>
Market Potential: Households (HHs)	<ul style="list-style-type: none"> <li>• Total HHs in Coverage Area: <b>682</b></li> <li>• Total HHs in PFSAs: <b>682</b></li> </ul>

Key Metrics Dashboard  
Last Mile Project  
Version 20100111 1.0

	<ul style="list-style-type: none"> <li>• HHs Located in Underserved/Unserved Areas: <b>682, 100% in Unserved Areas</b></li> </ul>
Market Potential: Businesses	<ul style="list-style-type: none"> <li>• Total Businesses in Coverage Area: <b>21</b></li> <li>• Total Businesses in PFSAs: <b>:21</b></li> <li>• Total Businesses: <b>21</b></li> <li>• Businesses Located in Underserved/Unserved Areas: <b>21 and 100% of Total Businesses Located in/Unserved Areas</b></li> </ul>
Market Potential: Anchor Institutions (or Strategic Institutions)	<ul style="list-style-type: none"> <li>• Total AIs in Coverage Area: <b>3, Corinth City Hall, Corinth Water District, &amp; Corinth Volunteer Fire Department</b></li> <li>• Total AIs in PFSAs: <b>: 3, Corinth City Hall, Corinth Water District, &amp; Corinth Volunteer Fire Department</b></li> <li>• AIs Located in Underserved/Unserved Areas: <b>3 and 100% of Total Anchor Institutions in Unserved Areas.</b></li> </ul>
Existing Residential/Individual Customers	<ul style="list-style-type: none"> <li>• Within Coverage Areas: <b>0</b></li> <li>• Within PFSAs: <b>0</b></li> </ul>
Existing Business Customers	<ul style="list-style-type: none"> <li>• Within Coverage Areas: <b>0</b></li> <li>• Within PFSAs: <b>0</b></li> </ul>
Existing Anchor Institution Customers	<ul style="list-style-type: none"> <li>• Within Coverage Areas: <b>0</b></li> <li>• Within PFSAs: <b>0</b></li> </ul>
Existing Last Mile Service Provider Customers	<b>0</b>
Last Mile Providers (based on those located in last mile service areas with a point of interconnection)	<ul style="list-style-type: none"> <li>• Total Last Mile Providers in Service Areas: <b>0</b></li> <li>• Last Mile Providers Expressing Commitment or Letter of Interest: <b>The Applicant is the only provider expressing commitment</b></li> <li>• Last Mile Providers Serving Underserved/Unserved Areas: <b>0</b></li> </ul>
Customers by Year Five	<p><b><u>Directly Served by Applicant</u></b></p> <ul style="list-style-type: none"> <li>• Anchor Institutions: <b>3 broadband</b></li> <li>• Homes: <b>388 broadband</b></li> <li>• Businesses: <b>21 broadband</b></li> <li>• Last Mile Service Providers: <b>0</b></li> </ul> <p><b><u>Directly Served by Other Last Mile Provider(s)</u></b></p> <ul style="list-style-type: none"> <li>• Anchor Institutions: <b>0</b></li> <li>• Homes: <b>0</b></li> <li>• Businesses: <b>0</b></li> </ul>

Other	
Job-Years Created	<p>Please refer to this website for calculation: <a href="http://www.whitehouse.gov/administration/eop/cea/Estimate-of-Job-Creation/">http://www.whitehouse.gov/administration/eop/cea/Estimate-of-Job-Creation/</a></p> <ul style="list-style-type: none"> <li>• <b>Direct Job-Years:</b> Year 1: 3 design &amp; engineering jobs; 10 construction jobs, 1 new Applicant network job, 20 existing Applicant network jobs (44) Year 2: 1 new Applicant network job, 20 existing Applicant network jobs (21) Year 3: 2 new Applicant network jobs, 20 existing Applicant network jobs (22)</li> </ul>

Key Metrics Dashboard  
 Last Mile Project  
 Version 20100111 1.0

	<p>Year 4: 2 new Applicant network jobs, 20 existing Applicant network jobs (22)          Year 5: 3 new Applicant network jobs, 20 existing Applicant network jobs (23)</p> <ul style="list-style-type: none"> <li>• <b>Indirect Job-Years:</b>            Year 1: 4 jobs from suppliers &amp; manufactures, 2 IT jobs at the Anchor Instructions (6)            Year 2: 2 IT jobs at the Anchor Instructions (2)            Year 3: 2 IT jobs at the Anchor Instructions (2)            Year 4: 2 IT jobs at the Anchor Instructions (2)            Year 5: 2 IT jobs at the Anchor Instructions (2)</li> <li>• <b>Induced Job-Years:</b>            Year 1: 0            Year 2: 1,000 jobs from proposed development of 1800 acres which includes a major retail center, research and development park, as well as housing and recreational features.            Year 3: 3,000 jobs from above-mentioned development            Year 4: 7,000 jobs from above-mentioned development            Year 5: 10,000 jobs from above-mentioned development</li> </ul>
<p>Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)</p>	<p><b>4 Quarters</b></p>

Corinth Fire Department  
P.O. Box 159  
10995 Dixie Hwy.  
Corinth, KY 41010

August 11, 2009

Broadband Initiatives Program  
Rural Utilities Service  
U.S. Department of Agriculture  
1400 Independence Avenue, SW  
Room 2868  
Washington, DC 20250

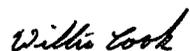
To Whom It May Concern;

On behalf of the Corinth Kentucky Fire Department, I would ask that you please accept this letter of support from our organization for the City of Williamstown's application to the Broadband Initiatives Program that will provide our community with a broadband network.

We currently do not have access to broadband telecommunications, and the lack of such access is a barrier to operating our organization in an efficient and economical manner. It further impedes the economic development of our community, and puts us at a disadvantage when we seek development opportunities that will help our City grow.

Thank you for the opportunity to provide our support to the application.

Sincerely,



Willie Cook, Fire Chief



August 13, 2009

U.S. Department of Commerce  
National Telecommunications and Information Administration

US Department of Agriculture  
Rural Utility Service

Dear Sir or Madam:

Our company, Bowlin Services, is a construction firm that specializes in the construction of fiber optic networks including fiber-to-the-premises ("FTTP") networks in small communities. We have over 10 years of experience. We are familiar with The City of Williamstown's construction requirements, network configurations and contract terms.

We are extremely excited about The City of Williamstown's application to the NTIA and RUS to provide broadband connectivity in Cynthiana Kentucky. In the event The City of Williamstown's application is approved, we are in a position to supply a comprehensive bid for all or any portion of the construction work required to build out this community in a very short time period. If we obtain any of the construction work, we are prepared to immediately enter into a contract with The City of Williamstown on terms substantially similar to those in the RUS 515 System Construction Contract. We have the staff and financial resources to immediately start work and to complete all construction work in this community in accordance with The City of Williamstown's proposed project plan.

Should you have any questions regarding this letter, please feel free to contact me at (859) 919-0216.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Martin", is written over the word "Sincerely,".

James Martin  
Vice President and General Manager  
Bowlin Services, LLC



**Officers:** President: Mayor Michael D. Miller, City of Jackson  
First Vice President: Mayor Elaine Walker, City of Bowling Green  
Second Vice President: Mayor William Paxton, City of Paducah  
Immediate Past President: Mayor Connie Lawson, City of Richmond

**Executive Staff:** Deputy Executive Director/Acting Executive Director: Neil S. Hackworth  
General Counsel: Temple Juett  
Chief Financial Officer: Doug Goforth  
Chief Member Services Officer: Robin Cooper

February 25, 2010

Mr. Doug Beckham  
City Administrator of Williamstown  
P.O. Box 147  
400 North Main Street  
Williamstown, KY 41097-0147

Dear Mr. Beckham:

This is in response to your inquiry about potential funding sources for Williamstown's planned extension of fiber optics to the City of Corinth. I believe the amount needed for the extension is approximately \$134,000. As the City of Williamstown is a past borrower from KLC's loan program, I am sure you are aware of KLC's loan pool. A project such as this could certainly be financed through our program. Additionally, because of Williamstown's strong financial condition, there would be no problem approving the loan for the city.

If you need any additional information, just let me know.

Sincerely,

  
Garrett L. Drakeford

Director of Financial Services

[www.klc.org](http://www.klc.org)

100 East Vine Street, Suite 800, Lexington, Kentucky 40507 Tel. 859.977.3700 or 800.876.4552 Fax 859.977.3703





**NATIONAL  
CABLE TELEVISION  
COOPERATIVE, INC.**

August 13, 2009

Mr. Roy Osborne  
Williamstown Cable TV  
400 N Main St  
Williamstown KY 41097

**RE: Williamstown Cable TV / NCTC Hardware and Equipment procurement**

To whom it may concern,

The National Cable Television Cooperative, Inc. (NCTC) is a Kansas not-for-profit corporation that operates as a programming and hardware purchasing organization for its member companies who own and operate cable systems throughout the United States and its territories. NCTC is located in Lenexa, Kansas.

Williamstown Cable TV became a member of NCTC in 1998 and is currently a member in good standing with the enterprise in all regards. Williamstown Cable TV procures video programming content, hardware and equipment and other services via the NCTC in support of its operational and other business needs.

In the period August 2008 through July 2009, Williamstown Cable TV purchased approximately \$18.5k in hardware and equipment via NCTC. The average adjusted monthly run rate for typical purchasing activity is roughly \$1.5k and includes manufacturers and vendors such as SMC Networks, TVC Inc., Tescoco Technologies and others. There are a wide variety of manufacturers and vendor products generally available to Williamstown Cable TV and other NCTC members in good standing via NCTC's contractual arrangements with these vendors that cover virtually every aspect of broadband network construction, maintenance and management.

Further inquiry regarding Williamstown Cable TV's relationship and purchasing activity with NCTC is welcome and should be directed to NCTC via Williamstown Cable TV.

Sincerely,

Scott Abbott  
Executive Vice President

Corinth Water District  
P.O. Box 218  
Corinth, KY 41010

August 11, 2009

Broadband Initiatives Program  
Rural Utilities Service  
U.S. Department of Agriculture  
1400 Independence Avenue, SW  
Room 2868  
Washington, DC 20250

To Whom It May Concern;

On behalf of the Corinth Kentucky Water District, I would ask that you please accept this letter of support from our organization for the City of Williamstown's application to the Broadband Initiatives Program that will provide our community with a broadband network.

We currently do not have access to broadband telecommunications, and the lack of such access is a barrier to operating our organization in an efficient and economical manner. It further impedes the economic development of our community, and puts us at a disadvantage when we seek development opportunities that will help our City grow.

Thank you for the opportunity to provide our support to the application.

Sincerely,

A handwritten signature in black ink, appearing to read "William H. Hill", written in a cursive style.

William H. Hill, Manager

**VIDEO SERVICES  
SUBSCRIBER PROJECTS AND RATE PLANS  
COMPLETE THE CHART BELOW FOR EACH PROPOSED FUNDED SERVICE AREA. FOR ALL OTHER SERVICE AREAS, PLEASE  
PREPARE A CHART THAT AGGREGATES THIS INFORMATION**

SERVICE AREA NAME: Corinth, Ky

	Census Community	Year 1			Year2			Year3			Year 4			Year 5		
		Basic	Expanded Basic	Digital	Basic	Expanded Basic	Digital	Basic	Expanded Basic	Digital	Basic	Expanded Basic	Digital	Basic	Expanded Basic	Digital
1	Corinth	2	131	20	2	198	32	2	222	36	2	247	41	2	257	42
2	Other areas in Grant County	1	22	3	1	33	5	1	37	6	1	41	6	1	43	7
3	Other areas in Owen County	1	30	6	1	45	8	1	50	9	1	56	10	1	60	10
4																
5																
6																
7																
8																
9																
10																
Total																

Rates:

Basic: 19 channels / \$15.95

Expanded Basic: 92 channels / \$34.95

Digital Services: 92 channels, PPV, I-Guide, DMX, various premium packages with assortment of combinations and discounts.





## **Budget Narrative**

**Applicant Name: The City of Williamstown**

**EasyGrants Number: 1425**

**Organization Type (from Question 1D on BTOP application): Political subdivision of a State, including Local or County Government**

**Proposed Period of Performance:**

**Total Project Costs: \$669,135.00**

**Total Federal Grant Request: \$ 535,308.00**

**Total Matching Funds (Cash): \$133,827.00**

**Total Matching Funds (In-Kind): \$0**

**Total Matching Funds (Cash + In-Kind): \$133,827.00**

**Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 20%**

---

### **1. Administrative and legal expenses-- \$5,000.00**

- List breakout of position(s), time commitment(s) such as hours or level-of-effort, and salary information/rates with a detailed explanation, and additional information as needed.

**The Applicant hired The Law Firm of Linda K. Ain to assist in the preparation of the Applicant's BIP/BTOP application. The firm's principal attorney, Linda K. Ain, provides critical advise and assistance to the Applicant in the application process. She will also assists the Applicant regarding compliance issues related to the grant Ms. Ain has 20 years of experience advising clients on telecommunications issues. The unit cost of Ms. Ain's representation was \$200 .00 per hour. She plans to spend 25 hours on the project, for a total expenditure of \$5,000.00.**

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.



**The Cash Matching Fund calculation was made by calculating 20% of \$5,000.00, which is \$1,000.00.**

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. There are no In-Kind Matching Funds.**

## **2. Land, structure, rights-of-way, appraisals, etc.**

**- Provide description of estimated costs, proposed activities, and additional information as needed. The Applicant will not incur any costs for the purchase of land, structure, rights-of-way or appraisals.**

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds. N/A**

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. N/A**

## **3. Relocation expenses and payment**

**- Provide explanation for the relocation, description of the person involved in the relocation, method used to calculate costs, and additional information as needed. The Applicant will not incur any costs for relocation expenses.**

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds. N/A**

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. N/A**

## **4. Architectural and engineering fees-- \$12,500**

**- Provide description of estimated fees, explanation of proposed services, and additional information as needed. The Applicant will hire Cable Development Consulting, a BrightPath Certified engineering firm located in Georgetown, KY to perform a GPS mapping walkout and design and map the system. Cable Development Consultants' fee is \$500.00 per hour and it plans to expend 25 on the project, for a total cost of \$12,500.00.**



- Provide description, calculation, and basis of evaluation for Cash Matching Funds. **The Cash Matching Fund calculation was made by calculating 20% of \$12,500.00, which is \$2,500.00.**

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. **There are no In-Kind Matching Funds.**

## **5. Other architectural and engineering fees**

- Provide description of estimated fees, explanation of proposed services, and additional information as needed. **The Applicant will not incur any other architectural or engineering fees.**

- Provide description, calculation, and basis of evaluation for Cash Matching Funds. **N/A**

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. **N/A**

## **6. Project inspection fees**

- Provide description of estimated fees, explanation of proposed services, and additional information as needed. **The Applicant will not incur any project inspection fees.**

- Provide description, calculation, and basis of evaluation for Cash Matching Funds. **N/A**

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. **N/A**

## **7. Site work**

- Provide description of estimated fees, explanation of proposed services, and additional information as needed. **The Applicant will not incur cost related to site work.**

- Provide description, calculation, and basis of evaluation for Cash Matching Funds. **N/A**

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. **N/A**



## **8. Demolition and removal**

- Provide description of estimated fees, explanation of proposed services, and additional information as needed. **The Applicant will not incur cost related to demolition or removal.**
- Provide description, calculation, and basis of evaluation for Cash Matching Funds. **N/A**
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds. **N/A**

## **9. Construction:**\$182,975.00****

- Provide description of estimated fees, explanation of proposed services, state whether the work is being completed by the applicant or an outside contractor, and additional information as needed.

**The construction costs are for lashing distribution fiber and fiber splicing nodes and taps. Construction will be completed by Bowlin Services. Bowlin Services has performed network facilities construction for the Applicant in the past and has done an outstanding job of completing the work in a cost-effective and timely manner.**

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.

**The Cash Matching Fund calculation was made by calculating 20% of \$182,975, which is \$36,595.**

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.

**There are no In-Kind Matching Funds.**

## **10. Equipment: **\$ 468,660****

- Provide list of equipment with description, number of units, unit cost, state whether it is being purchased or leased, and additional information as needed.

**As set forth below, the unit price and total number of units required for this project are reasonable to deliver the proposed services in the Applicant's proposed funded service area. Please note there is a \$271.00 discrepancy between the "Detail of Project Costs" that was submitted with the Applicant's BTOP application and the "Detail of Project**



Costs” the Applicant prepared as a Supplement to its application. This minor discrepancy was caused by the following errors in calculations:

Type of Equipment	Unit Cost	No. of Units	Original Calculations	Corrected Calculations	Difference
Optical Tape	243.78	125	30,472.31	30,472.5	+.19(1.00) *
Drop Cable	.16	511,500	82,285.01	81,840	-445.01
Fiber Dist. 60cy, 48ct, 36 ct	.46	75,000	34,830	34,500	-330
Fiber 4 ct	.18	132,000	23,245.20	23,760	+514.80
1/2” conduit sdr11	.14	13,200	1,859.88	1848	-11.88
<b>Total Discrepancy</b>					<b>-271.01</b>
*The excel program calculated the \$.19 difference as a \$1.00 difference					

Please be advised that the Applicant will make up this \$271.00 difference in its cash match.

The Applicant will be utilizing CommScope’s BrightPath solution to provide services to the Project Area. The design of the network was engineered by Cable Development Consulting, which is a BrightPath Certified engineering firm. This solution will allow the Applicant to preserve its existing infrastructure and use its existing provisioning, billing, monitoring, and conditional access systems.

Because the Applicant already has an existing broadband system, many of the necessary items to operate in the project area will not need to be purchased. No additional equipment will be needed for network switching. An existing pole line exists throughout the project area. There will be no need for additional operating equipment such as trucks, meters, safety equipment, or office equipment to operate or maintain the new area. The Applicant already owns all equipment necessary for testing the network as well.

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.

The Cash Matching Fund calculation was made by calculating 20% of \$468,660, which is \$93,732

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.



**There are no In-Kind Matching Funds.**

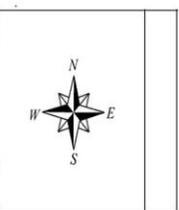
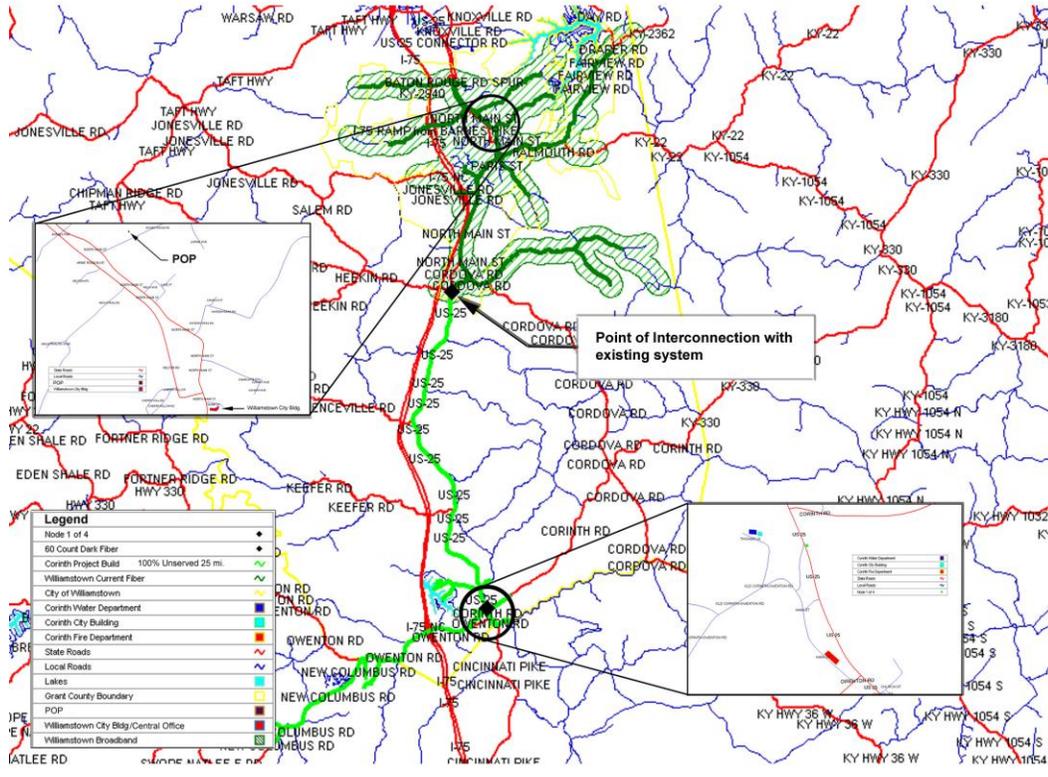
## **11. Miscellaneous**

- **Provide additional information as needed.**
- **Provide description, calculation, and basis of evaluation of Cash Matching Funds.**
- **Provide description, calculation, and basis of evaluation of In-Kind Matching Funds.**

## **Addendum**

**- If indirect costs (i.e., indirect, overhead, general and administrative, facilities and administration, etc.) and/or fringe benefits are included in the budget, please provide a copy of your existing Negotiated Indirect Cost Recovery Agreement (NICRA), if available. If the NICRA is applied accordingly in the budget, there is no need to justify the costs. If a NICRA is not available or is not consistent with the rates/calculations in the budget, please provide an explanation of how the amounts were calculated. Please clearly list the manner in which indirect costs are calculated in the budget.**

**Indirect costs (i.e., indirect, overhead, general and administrative, facilities and administration, etc.) and/or fringe benefits are not included in the budget.**



**Corinth Project Build**  
 Proposed broadband expansion south end of  
 Williamstown, KY extending south of Corinth, KY  
 25 miles of new build 100% unserved



City of Williamstown  
 400 North Main Street  
 Williamstown, KY 41097  
 (859) 824-3606

**BTOP Forms and Attachments**

<b>Balance Sheet</b>	Grantee's Name: <b>City of Williamstown</b> City, State: <b>Williamstown, KY</b>
----------------------	---

	Forecast Period				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Assets</b>					
<i>Current Assets</i>					
Cash	\$ 52,557.00	\$ 31,918.87	\$ 141,882.86	\$ 268,932.02	\$ 406,072.80
Marketable Securities					
Accounts Receivable	\$ 91,197.45	\$ 107,894.25	\$ 109,741.85	\$ 112,852.69	\$ 115,510.32
Notes Receivable					
Inventory					
Prepayments					
Other Current Assets					
Total Current Assets	\$ 143,754.45	\$ 139,813.12	\$ 251,624.71	\$ 381,784.71	\$ 521,583.12
<i>Non-Current Assets</i>					
Long-term Investments					
Amortizable Asset (Net of Amortization)					
Plant in Service	\$ 669,153.00	\$ 675,845.00	\$ 682,603.00	\$ 689,429.00	\$ 696,323.00
Less: Accumulated Depreciation	\$ 44,610.00	\$ 91,897.00	\$ 142,021.00	\$ 195,152.00	\$ 251,471.00
Net Plant	\$ 624,543.00	\$ 583,948.00	\$ 540,582.00	\$ 494,277.00	\$ 444,852.00
Total Non-Current Assets	\$ 624,543.00	\$ 583,948.00	\$ 540,582.00	\$ 494,277.00	\$ 444,852.00
<b>Total Assets</b>	<b>\$ 768,297.45</b>	<b>\$ 723,761.12</b>	<b>\$ 792,206.71</b>	<b>\$ 876,061.71</b>	<b>\$ 966,435.12</b>
<b>Liabilities</b>					
<i>Current Liabilities</i>					
Accounts Payable	\$ 116,588.00	\$ 17,715.00	\$ 18,664.00	\$ 19,653.00	\$ 20,685.00
Notes Payable					
Current Portion - Existing Long Term Debt					
Current Portion - Proposed Long Term Debt					
Total Current Liabilities	\$ 116,588.00	\$ 17,715.00	\$ 18,664.00	\$ 19,653.00	\$ 20,685.00
<i>Long Term Liabilities</i>					
Deferred Revenue					
Existing Debt					
Proposed Debt					
Other Long Term Obligations	\$ 133,827.00	\$ 126,623.00	\$ 120,292.00	\$ 114,277.00	\$ 108,563.00
Total Long Term Liabilities	\$ 133,827.00	\$ 126,623.00	\$ 120,292.00	\$ 114,277.00	\$ 108,563.00
<b>Total Liabilities</b>	<b>\$ 250,415.00</b>	<b>\$ 144,338.00</b>	<b>\$ 138,956.00</b>	<b>\$ 133,930.00</b>	<b>\$ 129,248.00</b>
<b>Owners Equity</b>					
Capital Stock					
Additional Paid-In Capital					
Patronage Capital Credits					
Retained Earnings	\$ 517,882.45	\$ 579,423.12	\$ 653,250.71	\$ 742,131.71	\$ 837,187.12
<b>Total Equity</b>	<b>\$ 517,882.45</b>	<b>\$ 579,423.12</b>	<b>\$ 653,250.71</b>	<b>\$ 742,131.71</b>	<b>\$ 837,187.12</b>
<b>Total Liabilities and Owners Equity</b>	<b>\$ 768,297.45</b>	<b>\$ 723,761.12</b>	<b>\$ 792,206.71</b>	<b>\$ 876,061.71</b>	<b>\$ 966,435.12</b>

\$ - \$ - \$ - \$ - \$ -

**BTOP**  
**Forms and Attachments**

<b>Income Statement</b>	Grantee's Name: <b>City of Williamstown</b> City, State: <b>Williamstown, KY</b>
-------------------------	---

	Forecast Period				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Network Services Revenue</b>					
Broadband Data	\$ 97,797.60	\$ 146,696.40	\$ 163,475.40	\$ 179,775.00	\$ 196,074.60
Video Services	\$ 94,390.00	\$ 142,222.00	\$ 159,250.00	\$ 177,250.00	\$ 191,962.00
Installation Revenues	\$ 17,670.00	\$ 8,850.00	\$ 3,035.00	\$ 2,950.00	\$ 2,950.00
Other Operating Revenues	\$ 592.80	\$ 664.20	\$ 688.70	\$ 712.50	\$ 736.30
Uncollectible Revenues	\$ 1,955.95	\$ 293.93	\$ 3,269.51	\$ 3,595.50	\$ 3,921.49
<b>Total Revenues</b>	<b>\$ 208,494.45</b>	<b>\$ 298,138.67</b>	<b>\$ 323,179.59</b>	<b>\$ 357,092.00</b>	<b>\$ 387,801.41</b>
<b>Expenses</b>					
Backhaul	\$ 3,225.00	\$ 3,386.00	\$ 3,555.00	\$ 3,733.00	\$ 3,920.00
Network Maintenance/ Monitoring					
Utilities	\$ 12,690.00	\$ 13,325.00	\$ 13,991.00	\$ 14,691.00	\$ 15,426.00
Personnel Services	\$ 158,049.00	\$ 165,265.00	\$ 174,549.00	\$ 189,713.00	\$ 210,314.00
Sales/Marketing					
Customer Care	\$ 673.00	\$ 1,004.00	\$ 1,118.00	\$ 1,229.00	\$ 1,339.00
Billing					
<b>Total Operating Expenses</b>	<b>\$ 174,637.00</b>	<b>\$ 182,980.00</b>	<b>\$ 193,213.00</b>	<b>\$ 209,366.00</b>	<b>\$ 230,999.00</b>
<b>EBITDA</b>					
Depreciation	\$ 44,610.00	\$ 47,287.00	\$ 50,124.00	\$ 53,131.00	\$ 56,319.00
Interest Expense	\$ 6,691.00	\$ 6,331.00	\$ 6,015.00	\$ 5,714.00	\$ 5,428.00
<b>Earnings Before Interest and Taxes</b>	<b>\$ (17,443.55)</b>	<b>\$ 61,540.67</b>	<b>\$ 73,827.59</b>	<b>\$ 88,881.00</b>	<b>\$ 95,055.41</b>
Grant	\$ 535,326.00	\$ -	\$ -	\$ -	\$ -
<b>Net Income (Loss)</b>	<b>\$ 517,882.45</b>	<b>\$ 61,540.67</b>	<b>\$ 73,827.59</b>	<b>\$ 88,881.00</b>	<b>\$ 95,055.41</b>

**List of Assumptions:**

**1. Revenues**

- Data Revenues \$39.95 per month per subscriber.
- Installation Revenues One time fee with 95% take on \$85 install; 5% take on \$115 install.
- Other Revenues Disconnect/Reconnect fee of \$35 based on 2% of total subscriber count.
- Uncollectible Revenues Based on 2% total subscriber count.

**2. Expenses**

- Cost of Sales Marketing Expenses
- Selling and Administrative Current expenses for our existing operations would cover this system.
- Salaries Operations Manager, Technical Support and Community Center Salaries
- Community Center Training Courses for Public
- Other Operating Expenses Bandwidth

**3. EBITDA**

- Interest Expense - Old Debt There is no old debt associated with this project.
- Earnings Before Interest and Taxes City of Williamstown is exempt from Income and Property Taxes.

**BTOP**  
**Forms and Attachments**

<b>Statement of Cash Flows</b>	Grantee's Name: <b>City of Williamstown</b> City, State: <b>Williamstown, KY</b>
--------------------------------	---

	Forecast Period				
	Year 1	Year 2	Year 3	Year 4	Year 5
Cash Flows From Operating Activities					
Net Income:	\$ 517,882.45	\$ 61,540.67	\$ 73,827.59	\$ 88,881.00	\$ 95,055.41
<i>Adjustments to Reconcile Net Income to Net Cash Provided by Operating Activities:</i>					
Add: Depreciation	\$ 44,610.00	\$ 47,287.00	\$ 50,124.00	\$ 53,131.00	\$ 56,319.00
Add: Amortization					
<i>Changes in Current Assets and Liabilities</i>					
Marketable Securities					
Accounts Receivable	\$ (91,197.45)	\$ (16,696.80)	\$ (1,847.60)	\$ (3,110.84)	\$ (2,657.63)
Inventory					
Prepayments					
Other Current Assets					
Accounts Payable	\$ 116,588.00	\$ (98,873.00)	\$ 949.00	\$ 989.00	\$ 1,032.00
Other Current Liabilities					
Deferred Grant Revenue					
<b>Net Cash Provided (Used) by Operations</b>	<b>\$ 587,883.00</b>	<b>\$ (6,742.13)</b>	<b>\$ 123,052.99</b>	<b>\$ 139,890.16</b>	<b>\$ 149,748.78</b>
Cash flows from Investing Activities:					
Capital Expenditures (Eligible Project Costs)					
Capital Expenditures (Other Costs)					
Amortizable Asset (Net of Amortization)					
Long Term Investments					
Acquisition of Plant Assets	\$ (669,153.00)	\$ (6,692.00)	\$ (6,758.00)	\$ (6,826.00)	\$ (6,894.00)
Other Long Term Liabilities	\$ 133,827.00	\$ (7,204.00)	\$ (6,331.00)	\$ (6,015.00)	\$ (5,714.00)
<b>Net Cash Provided (Used) by Investing</b>	<b>\$ (535,326.00)</b>	<b>\$ (13,896.00)</b>	<b>\$ (13,089.00)</b>	<b>\$ (12,841.00)</b>	<b>\$ (12,608.00)</b>
Cash Flows from Financing Activities					
Notes Receivable					
Notes Payable					
Principal Payments					
Grant Award					
Matching Contribution					
New Borrowing					
Additional Paid-in Capital					
Additions to Patronage Capital Credits					
Payment of Dividends					
<b>Net Cash Provided by Financing Activities</b>					
<b>Net Increase (Decrease) in Cash</b>	<b>\$ 52,557.00</b>	<b>\$ (20,638.13)</b>	<b>\$ 109,963.99</b>	<b>\$ 127,049.16</b>	<b>\$ 137,140.78</b>
<b>Beginning Cash</b>	<b>\$ -</b>	<b>\$ 52,557.00</b>	<b>\$ 31,918.87</b>	<b>\$ 141,882.86</b>	<b>\$ 268,932.02</b>
<b>Ending Cash</b>	<b>\$ 52,557.00</b>	<b>\$ 31,918.87</b>	<b>\$ 141,882.86</b>	<b>\$ 268,932.02</b>	<b>\$ 406,072.80</b>

**BTOP**  
**Forms and Attachments**

<b>Project Financials</b>	Grantee's Name: <b>City of Williamstown</b> City, State: <b>Williamstown, KY</b>
---------------------------	---

	Forecast Period				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Project Revenues</b>	\$ 208,494.45	\$ 298,138.67	\$ 323,179.59	\$ 357,092.00	\$ 387,801.41
Net Income	\$ 517,882.45	\$ 61,540.67	\$ 73,827.59	\$ 88,881.00	\$ 95,055.41
EBITDA	\$ 562,492.45	\$ 108,827.67	\$ 123,951.59	\$ 142,012.00	\$ 151,374.41
Debt to Assets Ratio	\$ <b>0.33</b>	\$ <b>0.20</b>	\$ <b>0.18</b>	\$ <b>0.15</b>	\$ <b>0.13</b>

**General Budget Overview**  
**City of Williamstown (1425)**

Budget	Loan Request	Federal Funding Request	Matching Funds (Cash)	Matching Funds (In-Kind)	Equity	Debt	Bond	Other
Network & Access Equipment (switching, routing, transport, access)		245,781					61,445	
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)		195,484					48,871	
Buildings and Land – (new construction, improvements, renovations, lease)								
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)		80,043					20,011	
Billing and Operational Support Systems (IT systems, software, etc.)								
Operating Equipment (vehicles, office equipment, other)								
Engineering/Professional Services (engineering design, project management, consulting, etc.)		14,000					3,500	
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)								
Site Preparation								
Other								
<b>TOTAL BROADBAND SYSTEM:</b>	<b>\$0</b>	<b>\$535,308</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$133,827</b>	<b>\$0</b>

<b>TOTAL</b>
<b>\$307,226</b>
<b>\$244,355</b>
<b>\$0</b>
<b>\$100,054</b>
<b>\$0</b>
<b>\$0</b>
<b>\$17,500</b>
<b>\$0</b>
<b>\$0</b>
<b>\$0</b>
<b>\$669,135</b>

**DETAILED OF PROJECT COSTS: CITY OF WILLIAMSTOWN (1425)**

PLEASE COMPLETE THE TABLE BELOW FOR THE DIFFERENT CATEGORIES OF EQUIPMENT THAT WILL BE REQUIRED FOR COMPLETING THE PROJECT. EACH CATEGORY SHOULD BE BROKEN DOWN TO THE APPROPRIATE LEVEL FOR IDENTIFYING UNIT COST

SERVICE AREA or COMMON NETWORK FACILITIES:		Eligibility (Yes/No)	Unit Cost	No. of Units	Total Cost	Support of Reasonableness
<b>NETWORK &amp; ACCESS EQUIPMENT</b>					<b>\$307,227</b>	
<b>Switching</b>					0	
					0	
					0	
<b>Routing</b>	Dual Return Channel Receiver	yes	1,498.00	2	2996	
	Dual Multiplexers 1550/1310	yes	980	2	1960	
	Optical Couplers	yes	136	42	5693.1	
<b>Transport</b>	Nodes and Accessories	yes	15,222	4	60888	
	Lasers, 14dB	yes	17,800	4	71200	
	AC Power Supply	yes	770	4	3080	
<b>Access</b>	Optical Taps	yes	243.78	125	30472.5	
	Grommet Kit	yes	16.25	125	2031.25	
	Grommet Kit Cable	yes	16.25	125	2031.25	
<b>Other</b>	Backplate for chassis	yes	812	2	1624	
	NIU with power backup	yes	244.63	512	125250.56	
					0	
<b>OUTSIDE PLANT</b>					<b>\$244,528</b>	
<b>Cables</b>	Fiber Dist. 60ct, 48ct, 36ct	yes	0.46	75,000	34500	
	Fiber 4 ct	yes	0.18	132,000	23760	
	Lashing wire	yes	10.95	132	1445.4	
<b>Conduits</b>	1/2" conduit sdr11 black	yes	0.14	13200	1848	
					0	
<b>Ducts</b>					0	
					0	
					0	
<b>Poles</b>					0	
					0	
					0	
<b>Towers</b>					0	
					0	
					0	
<b>Repeaters</b>					0	
					0	
					0	
<b>Other(Construction)</b>	Lashing Distribution Fiber	yes	1.35	132000	178200	
	Fiber Splicing Node & Tape	yes	25	191	4775	
					0	

SERVICE AREA or COMMON NETWORK FACILITIES:		Eligibility (Yes/No)	Unit Cost	No. of Units	Total Cost	Support of Reasonableness
<b>BUILDINGS</b>					<b>\$0</b>	
New Construction					0	
					0	
					0	
Pre-Fab Huts					0	
					0	
					0	
Improvements & Renovation					0	
					0	
					0	
Other					0	
					0	
					0	
<b>CUSTOMER PREMISE EQUIPMENT</b>					<b>\$99,609</b>	
Modems	SA DPC2100 cable modem	yes	33	512	16896	
					0	
					0	
Set Top Boxes					0	
					0	
					0	
Inside Writing					0	
					0	
					0	
Other	Drop Cable	yes	0.16	511500	81840	
	P hooks	yes	0.15	682	102.3	
	wedge clamps	yes	1.13	682	770.66	
<b>BILLING SUPPORT AND OPERATIONS SUPPORT SYSTEMS</b>					<b>\$0</b>	
Billing Support Systems					0	
					0	
					0	
Customer Care Systems					0	
					0	
					0	
Other Support					0	
					0	
					0	

SERVICE AREA or COMMON NETWORK FACILITIES:		Eligibility (Yes/No)	Unit Cost	No. of Units	Total Cost	Support of Reasonableness
<b>OPERATING EQUIPMENT</b>					<b>\$0</b>	
Vehicles					0	
					0	
					0	
Office Equipment / Furniture					0	
					0	
					0	
Other					0	
					0	
					0	
<b>PROFESSIONAL SERVICES</b>					<b>\$17,500</b>	
Engineering Design	GPS walkout, design & mapping	yes	500	25	12500	
					0	
					0	
Project Management					0	
					0	
					0	
Consulting	Consulting Service		200	25	5000	
					0	
					0	
Other					0	
					0	
					0	
<b>TESTING</b>					<b>\$0</b>	
Network Elements					0	
					0	
					0	
IT System Elements					0	
					0	
					0	
User Devices					0	
					0	
					0	
Test Generators					0	
					0	
					0	
Lab Furnishings					0	
					0	
					0	
Servers / Computers					0	
					0	
					0	

SERVICE AREA or COMMON NETWORK FACILITIES:		Eligibility (Yes/No)	Unit Cost	No. of Units	Total Cost	Support of Reasonableness
<b>OTHER UPFRONT COSTS</b>					<b>\$0</b>	
<b>Site Preparation</b>					0	
					0	
					0	
<b>Other</b>					0	
					0	
					0	
<b>PROJECT TOTAL:</b>					<b>\$668,864</b>	

**City of Williamstown (1425)**

**BUDGET INFORMATION - Construction Programs**

*NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.*

<b>COST CLASSIFICATION</b>	<b>a. Total Cost</b>	<b>b. Matching Funds (Cash)</b>	<b>c. Matching Funds (In-Kind)</b>	<b>d. Federal Funding Request (Columns a-b-c)</b>
1. Administrative and legal expenses	\$5,000	\$1,000	\$0	\$4,000
2. Land, structures, rights-of-way, appraisals, etc.	\$0	\$0	\$0	\$0
3. Relocation expenses and payments	\$0	\$0	\$0	\$0
4. Architectural and engineering fees	\$12,500	\$2,500	\$0	\$10,000
5. Other architectural and engineering fees	\$0	\$0	\$0	\$0
6. Project inspection fees	\$0	\$0	\$0	\$0
7. Site work	\$0	\$0	\$0	\$0
8. Demolition and removal	\$0	\$0	\$0	\$0
9. Construction	\$182,975	\$36,595	\$0	\$146,380
10. Equipment	\$468,660	\$93,732	\$0	\$374,928
11. Miscellaneous	\$0	\$0	\$0	\$0
12. SUBTOTAL (add #1 through #11)	\$669,135	\$133,827	\$0	\$535,308
13. Contingencies	\$0	\$0	\$0	\$0
14. SUBTOTAL (add #12 and #13)	\$669,135	\$133,827	\$0	\$535,308
15. Project (program) income	\$0	\$0	\$0	\$0
<b>16. TOTAL PROJECT COSTS (subtract #15 from #14)</b>	<b>\$669,135</b>	<b>\$133,827</b>	<b>\$0</b>	<b>\$535,308</b>
<b>FEDERAL FUNDING</b>				
17. Federal assistance requested, calculated as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.	Enter eligible costs from line 16a Multiply X 20%			\$133,827

# Supplemental Information Request (SIR): Last Mile

Broadband Technology  
Opportunities Program (BTOP)

U.S. Department of Commerce  
National Telecommunications and Information Administration

## Table of Contents

<b>Instructions</b> .....	3
<b>1) Question 29 (System Design) and Question 30 (Network Diagram)</b> .....	3
<b>2) Section D (Questions 12 &amp; 13) Service Areas</b> .....	6
<b>3) Section D (Questions 17 and Public Notice Filings) Methodology for Determining the Unserved/Underserved Areas</b> .....	6
<b>4) Attachment H – Broadband Service Offerings and Subscriber Forecasts</b> .....	6
<b>5) Letters of Intent (LOI), MOU and Agreements</b> .....	7
<b>6) Question 38 – Organizational Readiness</b> .....	8
<b>7) Attachment E – Project Plan</b> .....	8
<b>8) Attachment G – Detailed Project Costs</b> .....	8
<b>9) Attachment K,L, and M – Pro Forma Financial Statements</b> .....	9
<b>10) Question 47 – Historical Financial Statements</b> .....	9
<b>11) Question 52 – Matching Funds</b> .....	9

**Instructions:**

1. Please provide updated diagrams, maps, narrative responses and other information to answer the SIR Questions as instructed below.
2. Please utilized the referenced Appendices to provide information, if applicable. Additional lines or rows can be added to the Appendices, as required.
3. Please ATTACH all supporting documents (i.e. Word document, PDF, spreadsheet, etc.) with annotated and detailed information for each item to this summary page.
4. If any item cannot be completed, please explain why the information is incomplete.

1. **Application Reference: Question 29 (System Design) and Question 30 (Network Diagram)** - Please provide **Network Diagrams** that are clear and relate explicitly to supporting financial and project detail; complete Appendix 1, and provide additional information as requested in response to this Supplemental Information Request as detailed below. Please be sure to delineate clearly: Last Mile network architecture elements and geographic coverage; Last Mile and Middle Mile demarcation points; as well as aggregation nodes (as appropriate) and other key Last Mile service delivery elements. (Note: As needed, to ensure clear interpretation of submitted SIR information please provides short summary assumptions and supporting explanations in additional commentary.)

The Applicant has attached a Network Diagram.

<b>QUESTION 29 - SYSTEM DESIGN &amp; QUESTION 30 - NETWORK DIAGRAM</b>	
<b>Points of Interconnection: Service Distribution Nodes</b>	Detailed location information (via geospatial mapping, GIS shapefiles, street address) of your Last Mile and Middle Mile service distribution nodes (e.g. primary node facilities, cell site, tower locations, and/or central offices) and identifying their designation as served, underserved, or unserved. Please include in Appendix 1, Points of Interconnection.
<b>Points of Interconnection : Internet Peering Points Etc.</b>	Detailed location information (via geospatial mapping, GIS shapefiles, street address) and depiction on your network diagrams of First Mile/Second Mile (Aggregation Nodes), Transport/Backbone, Internet Peering Points, network infrastructure connection points as applicable with which you plan to connect identifying their designation as served, underserved, or unserved. Please include in Appendix 1 Points of Interconnection and Middle Mile (MM) Providers and all other relevant network connection points.
<b>Points of Interconnect: Other</b>	Detailed location information (via geospatial mapping, GIS shapefiles, street address) for other Points of Interconnect (POI), for example Carrier Hotels, Data Centers ; identifying their designation as served, underserved, or unserved Please include in Appendix 1, Points of Interconnection.
<b>Network Infrastructure</b>	Network Diagrams and fiber and/or wireless route or coverage maps must indicate new or existing segments of the network infrastructure, (fiber, towers, etc) and identify numbers or distances of each type. Network Diagrams should include color codes that clearly identify new construction (fiber, towers, other network Last Mile access infrastructure) from existing network infrastructure. For example, new fiber or new wireless radio access network/towers should be identified using a separate line color (or coding) than existing fiber or wireless infrastructure. The network must also identify segments of the network that are provided through other providers (e.g. MM providers). Please include in Appendix 1, Network Infrastructure (Attachment(s) as required).

<b>Community Anchor Institutions</b>	A list with the exact locations (e.g. address) or GIS file for the Community Anchor Institutions that you are planning on serving. Identify Community Anchor Institutions where actual LM connectivity (fiber laterals or wireless connectivity) is accounted for in the network architecture and detailed project budget. Please include in Appendix 1, Community Anchor Institutions.
<b>Overlaps with other Networks</b>	Please identify and describe by specifying distance, capacity, and reason for overlap of any fiber route, HFC, and/or wireless tower overlap of the known incumbent carriers (e.g. ILEC, Cable, Cellular etc.) and other competitive carriers fiber and wireless infrastructure. Please include in Appendix 1, Network Infrastructure.

**APPENDIX 1; QUESTION 29 - SYSTEM DESIGN & QUESTION 30 - NETWORK DIAGRAM**

**Points of Interconnection**

Identification of LM/MM Network Points of Interconnections (Unique ID)	Identify as Service Distribution Nodes, Second Mile Aggregation Nodes (as appropriate), Internet Peering Points and other POI	Identify Location of POI from (e.g., Geospatial Map, GIS Shapefiles, Street Address,). Reference attached map/shapefile as necessary.	Identify if POI is Designated as being in either Served, Underserved, or Unserved PFSA.
See Attached Diagram	See Attached Diagram	See Attached Diagram	Unserved

**Community Anchor Institutions**

Number of Community Anchor Institutions (Total Passed)	Number of Community Anchor Institutions that will be direct connected as part of this project. (Total Connected)	List of MM Providers involved in completing the LM connectivity as well as (1) underlying technology Fiber, Wireless, Aggregation Nodes, Other, etc) and (2) planned capacity	Does the Project Plan and Budget support activities and account for resources required for connection to Community Anchor Institutions. (Yes/No, Please Explain)
3	3	Applicant	Yes, the Applicant has budgeted to connect all Community Anchor Institutions & to provide them w/free service

**Middle Mile (MM) Provider (s)**

Name of MM Provider (s) that the LM Network will Connect	Identify the POI (using the Unique ID listed above) where the Middle Mile provider will connect.	Interface type (fiber, wireless, etc) including description of IP/Internet connectivity and/or Aggregation; Node/POI approach and carrier hotel/data center or other traffic aggregation facilities	Bandwidth (Mbps) of Planned Connectivity for Backbone/Transport Locations
Insight Communications	The Applicant interconnects with Insight Communications at the Applicants Headend (POP) in Williamstown, KY—See Attached Diagram	Fiber connection	500 mbps

Network Infrastructure						
Construction Estimates	Total LM Network (Planned)	Portion of total that is New Construction	Portion of total that exists Today	Portion of total that is wireline by type (e.g. DSL), wireless (by type) ,other (as applicable,	Expected % of overlap with known incumbent carriers.	If overlap exists, provide rationale.
Last Mile Network Infrastructure	25	25	0	100% fiber	0%	
Middle Mile Network Infrastructure (E.g. Owned; Leased; Planned; Partnerships Etc.)	POP leased from Insight Communications	0	0	100% fiber	0%	
If wireless, number of towers and coverage	N/A	N/A	N/A	N/A	N/A	
If wireless, Radio Access network (RAN) and wireless-related infrastructure including POIs	N/A	N/A	N/A	N/A	N/A	
Other/Hybrid Architecture: describe and explain .Please indicate clear breakdown of Last Mile/Middle Mile as well as underlying technology type(s)	This is a Fiber-To-The-Home Construction	100%	New Construction	100% fiber	0%	
Note: Please be sure to clearly indicate how Last Mile (LM) proposed project Network Infrastructure relates to current LM plant and coverage vs. new (incremental) plant and coverage that supports proposed project	See below**					
Other, describe and explain						
Other, describe and explain						
Network Design (Please be sure to provide supporting Network Design Attachment(s))	DONE					

\*\*The Last Mile proposed project will not overlap the Applicant’s existing service areas. The proposed project will connect to the Applicant’s existing system at one point and take fiber 9 miles south to the City of Corinth. 100% of this new build is in unserved areas.

- The Applicant will replicate the cable & broadband service it presently provides to its current customers in the City of Williamstown and other portions of Grant County, KY. The Applicant will provide these same services to the City of Corinth, and Portions of unserved Grant and Owen Counties. The proposed project will pass 682 unserved household, 21unserved businesses, and 3unserved Anchor Institutions -- Corinth City Hall, Corinth Water District, & Corinth Volunteer Fire Department. Please note that the Applicant will provide free broadband service to all 3 Anchor Institutions.

2. **Application Reference: Section D (Questions 12 and 13) Service Areas** - Please provide detailed visual representation for each PFSA in at least one of the three ways recommended below:

<b>SECTION D (Questions 12 &amp; 13) - SERVICE AREAS</b>	
<b>Proposed Funded Service Areas</b>	<p>If available and not already provided, please provide a detailed visual representation for each of the proposed funded services areas in the form of either:</p> <p>(a) the full 15-digit FIPS code list (the full 15 digit FIPS codes consist of the following digit counts: State-2 digits; County-3 digits; Census Tract-6 digits; and Block-4 digits);</p> <p>(b) the GIS shapefiles/feature classes and/or;</p> <p>(c) Service map drawings (i.e. PDF maps). Please designate for each area whether they are served, underserved or unserved clearly labeling Last Mile proposed project network infrastructure. Maps should include wireless; POI/fiber routes that clearly show new fiber construction in a separate color than existing fiber, if applicable; provide other major network infrastructure drawings, as needed</p>

3. **Application Reference: Section D (Question 17 and Public Notice Filings) Methodology for Determining the Unserved/Underserved Areas** - Please provide a complete narrative and identify sources of data from independent third party resources used to validate claims for unserved and underserved areas. In addition, provide narrative response addressing the Public Notice Filings submitted on BroadbandUSA.GOV for your application.

<b>SECTION D (Question 17 and Public Notice) - METHODOLOGY FOR DETERMINING THE UNSERVED/UNDERSERVED AREAS</b>	
<b>Unserved/Underserved Areas</b>	<p>Please ensure that the methodology that you’ve deployed to determine unserved/underserved areas is well described. Identify independent third party resources that you have used to validate your assumptions of unserved and underserved areas. In addition, please provide responses to address public comments posted</p>
<b>Public Notice Filings (PNF)</b>	<p>Please review and address the Public Notice Filings in BroadbandUSA.GOV <a href="http://www.broadbandusa.gov/pnf.htm">http://www.broadbandusa.gov/pnf.htm</a> that were submitted for your applications.</p>

The proposed funded service area is 100% "unserved" and 100% rural.

Please note that none of the households in the proposed funded service area have access to facilities-based, terrestrial broadband service at greater than the minimum broadband transmission speed. Also, no fixed or mobile broadband service provider advertises broadband transmission speeds of at least 3 mbps downstream in the

proposed funded service area. Additionally, the rate of broadband subscribership for the proposed funded service area is zero.

The unavailability of broadband services was determined by three factors. First, in May 2009, the Applicant acquired the cable television franchise in Corinth from Windjammer Communications. As it exists today, the cable television system in Corinth is a one direction 330 MHz cable system, which is unable to pass two-way traffic needed for Broadband Transmission Services.

Second, the Mayor of Corinth, Mayor William Hill, requested that the Applicant provide Broadband Transmission Services to Corinth because there is no Broadband Transmission Service available in Corinth. Please note that Mayor Hill reported to the Applicant that he contacted Cincinnati Bell (the incumbent telephone provider) and Time-Warner Cable (the previous owner of the cable television system) and was told by both Cincinnati Bell and Time-Warner Cable that deploying broadband in Corinth was cost prohibitive.

The Applicant has attached a letter of support from the Corinth Water District and a letter of support from the Corinth Volunteer Fire Department, as well as a resolution of support of the project passed by the City of Williamstown. All three documents reiterated that there is no broadband service in Corinth.

Third, the Applicant did a door-to-door survey in Corinth and confirmed that Broadband Transmission Services were unavailable in Corinth. Thus, the proposed funded service area is classified as "unserved".

According to the 2000 Census, the total population for the proposed funded service area is 930. Please note that the proposed funded service area is not an urbanized area contiguous or adjacent to a city or town that has a population greater than 50,000 inhabitants. Thus, pursuant to the NOFA, proposed funded service area is 100% rural.

Finally, the Applicant has review and the Public Notice Filings in BroadbandUSA.GOV <http://www.broadbandusa.gov/pnf.htm> . There were no filings submitted for its applications. This blusters the Applicant's argument that the proposed service is 100% unserved.

4. **Application Reference: Attachment H – Broadband Service Offerings and Subscriber Forecasts** - Please provide narrative response and complete Appendix 2 in response to this Supplemental Information Request as detailed below:

**ATTACHMENT H - BROADBAND SERVICE OFFERINGS AND SUBSCRIBER FORECASTS**

<p><b>Market Size and Share Assumptions</b></p>	<p>Please explain all the assumptions that led to the subscriber forecast (e.g., total market size, market share, take rates, etc.) for each of your targeted customer segments (e.g., businesses, community anchor institutions.) Provide total potential market size by estimating the number of subscribers or customers and the calculations used in your estimate. Please provide your expected market penetration rate per service offering and the calculations you used to derive that rate.</p>
<p><b>Linking Subscriber Forecasts to services</b></p>	<p>Please tie subscriber forecasts in Attachment H to the service offerings listed in Attachment A. Include number of subscribers for each service offering, bandwidth and pricing in a table for each forecasted year, 1-5. Please break out your service forecast and revenues to associated with specific Middle Mile providers and/or partners. Please include in Appendix 2.</p>
<p><b>Competitive Last Mile Providers</b></p>	<p>Please provide the number of Last Mile providers and current and projected subscriber base that serve or are expected to serve end users in the service area during the project timeframe. Please include in Appendix 2.</p>

<p><b>APPENDIX 2; Attachment H – Broadband Service Offerings and Subscriber Estimates</b></p>				
<p><b>Broadband Service Offerings and Subscriber Estimates</b></p>				
<p>Subscribers Estimates</p>	<p>Total Passed for all PFSA's (Combined Totals)</p>	<p>Total Planned Subscribers for Year 5 from Attachment H</p>	<p>Planned Service Offering from Attachment A (If Bandwidth and Revenue projections are based on Residential, Businesses, etc subscribing to more than one Service Offering, then add additional rows for each subscriber as necessary)</p>	
			<p>Planned Service Offering Bandwidth</p>	<p>Planned Service Offering Rate (Cost/Month)</p>
<p>Residential Subscribers (Households)</p>	<p>484</p>	<p>409</p>	<p>Entry Level Speed 6 mbps Maximum Speed 10 mbps</p>	<p>\$39.95 \$54.95</p>
<p>Businesses</p>	<p>21</p>	<p>21</p>	<p>Entry Level Speed 6 mbps Maximum Speed 10 mbps</p>	<p>\$59.95 \$74.95</p>
<p>Anchor Institutions</p>	<p>3</p>	<p>3</p>	<p>Maximum Speed 10 mbps</p>	<p>Free</p>
<p>Other Providers (as applicable)</p>	<p>0</p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>

**Market Size and Share Assumptions**

The following are the assumptions that led to the subscriber forecast for each of the Applicant’s targeted customer segments (e.g., residential, businesses, community anchor institutions.)

The Applicant’s estimated take rate for residential subscribers in the proposed unserved area is 59.9% for high-speed data services. This take rate is based on the take rate and numbers of establishments passed of a sample area of our existing plant in which the area is not served by any other service provider. Of the 59.9% of residences passed which take the service, annual growth estimates were made based on the our

first five years of internet service sales for our existing service area. Of the Applicant's total number of current customers, 49.8% were obtained the first year services were offered. In year two, the Applicant was at 74.8% of our total base. In year three, the Applicant's customer base was at 83.3% of the five year total and in year four, the Applicant reached 91.6%. Quarterly, the Applicant sees a higher growth in autumn and winter, making up approximately 60% of Applicant's annual sales, with the other 40% during spring and summer quarters. The Applicant applied these percentages throughout the year for the quarterly growth estimates.

For the Applicant's business customers, the Applicant estimated take rate being achieved in the first year. This is based on the small number of businesses currently in the un-served area, a door to door survey which was performed in the area and the marketing push which will be directed toward business customers when the service is available.

For the Applicant's community anchor institutions, the Applicant estimated take rate being achieved in the first year. There are three (3) community anchor institutions passed. The three institutions include:

1. The Corinth City Hall
2. The Corinth Water District
3. The Corinth Volunteer Fire Department

As part of the proposed project, the Applicant will provided free broadband services to all of the entities listed above.

The take rate for video is estimated to be 62%.

**Linking Subscriber Forecasts to services**

The Applicant does not anticipate revenues associated with specific Middle Mile providers and/or partners.

5. **Application Reference: Questions Q35 (Licenses, Regulatory Approvals, Agreements), Q36 (Construction and Vendor Contracts), Q41 (Government and other Key Partnerships), Q42 (Recovery Act and other Government Collaboration) and Q51 (Commitment of Capital Funding Support)** - Please provide narrative response and attach supporting documentation and Master Service Agreements (MSAs) as detailed below:

<b>LETTERS OF INTENT (LOI), MOU AND AGREEMENTS</b>	
<b>Letters of Intent (LOI), MOU and Agreements</b>	Relating to questions Q35 (Licenses, Regulatory Approvals, Agreements), Q36 (Construction and Vendor Contracts), Q41 (Government and other Key Partnerships), Q42 (Recovery Act and other Government Collaboration) and Q51 (Commitment of Capital Funding Support), please provide a supporting documentation, such as non-binding LOI, MOUs, and/or master service agreements (MSAs), from Public/Private Partners, Community Anchor Institutions, preferred construction firms or vendors, and other MM/Other providers required to complete or support the proposed project. Please provide agreements with MM or other Providers and/or other organizations that will ensure the completion of required network infrastructure to support project and service to the targeted population and Community

	Anchor Institutions.
--	----------------------

Q35 (Licenses, Regulatory Approvals, Agreements)

The Applicant currently has all of the licenses and regulatory approvals required to implement and operate the proposed project. Please note that this project does not required tower leases, equipment leases, building leases, land leases, leasing of local loops or state authorization The applicant has existing pole attachment agreements with both companies owning poles in the proposed area as well as the means to build pole lines where needed. The applicant has acquired all necessary FCC authorizations. Additionally, the Applicant has cable franchise agreement for Grant County and for the City of Corinth.

Q36 (Construction and Vendor Contracts)

The Applicant intends to rely on contractors to build the network facilities. The Applicant has had extensive conversations with Bowlin Services. Bowlin Services has performed network facilities construction for the Applicant in the past and has done an outstanding job of completing the work in a timely manner. The Applicant has attached a letter from Bowlin Services regarding Bowlin Services' readiness to begin work on this project.

The Applicant plans to use the following vendors to supply the necessary equipment and materials for the project: CommScope Inc. and National Cable TV Cooperative (NCTC). The Applicant has attached a letter from NCTC regarding the Applicant's ability to purchase the necessary equipment for this project.

Q41 (Government and other Key Partnerships)

The Applicant will be partnering with the City of Corinth, the Corinth Volunteer Fire Department and the Corinth Water District. These community anchor institutions and public safety entities have played an integral role in the Project's planning and will continue to play an important role in the Project's ongoing operations. None of these government agencies have ever had access to high-speed internet. The City of Corinth, the City of Williamstown, the Corinth Volunteer Fire Department and the Corinth Water District have all shown their unbridled support for this project by passing resolutions and/or writing letters endorsing the proposed broadband build out to their community.

The Applicant has attached a letter of support from the Corinth Water District and a letter of support from the Corinth Volunteer Fire Department, as well as a resolution of support of the project passed by the City of Williamstown.

Please note that the Applicant will provide broadband services free of charge to the City of Corinth, the Corinth Volunteer Fire Department and the Corinth Water District.

Q42 (Recovery Act and other Government Collaboration)

At this time the Applicant is not aware of any Recovery Act or federal development programs which could lead to collaborations on this project. However, if at any time, the Applicant learns of any Recovery Act or federal development programs which would lead to greater project efficiencies, the Applicant would move quickly to enter into such collaborations.

Q51 (Commitment of Capital Funding Support)

The Applicant is committed to fund the BTOP grant match of 20%. The total budget of the project is \$669,135. Thus, Applicant will fund \$133,827. The Applicant will get a loan from the Kentucky League of Cities to fund the \$133,827 required match.

- 6. **Application Reference: Questions 38 (Organizational Readiness)** - Please provide narrative response, location information and attach appropriate system design diagrams in response to this Supplemental Information Request as detailed below:

QUESTION 38 – ORGANIZATIONAL READINESS	
<b>Support Systems Details</b>	Please provide the location and description of key Network Operations Centers (NOC), Security Operations Centers (SOC), Operations Support Systems (OSS), Business Support Systems (BSS), and Service Desk/Customer Relationship Management systems required to provide 24x7 operations support to target customers/end users. Identify if the systems are in place today and describe your organizational experience or partnerships with existing network operators that are required to meet required Service Level Agreements. If OSS are not currently in place and applicant does not plan to provide direct support, please provide details on how applicant will have OSS addressed by partners and/or third party. Please explain any proposed supporting organization’s current capabilities.

The Network Operations Centers (NOC), Security Operations Centers (SOC), Operations Support Systems (OSS), Business Support Systems (BSS), and Service Desk/Customer Relationship Management will all be located at the Applicant’s headquarters in Williamstown, KY (400 North Main Street). These systems will provide 24x7 operations support to target customers/end users. These systems are in place today and as described more fully below, the Applicant has the organizational experience that is required to meet required Service Level Agreements. The Applicant has the necessary organizational mechanisms established to handle the implementation, management, and operation of the proposed broadband services network. The Applicant will ensure that the necessary sales, operational, and billing

support systems are in place to provide the proposed services (e.g., network management, provisioning, billing and customer care, etc...)

The Applicant has maintained a cable television system for 25 years, as well as other utilities services, such as electric, water and sewer treatment since the 1930s. In 2004, the Applicant began offering high-speed data and Internet services via an HFC broadband system and, in 2007, the Applicant began offering those services via wireless network by building six (6) radio towers and using five (5) water towers to broadcast the service.

The Applicant currently has both a fully operational electric system and a broadband communications system in place with 24-hour customer support. The Applicant currently has the necessary sales, operational, and billing support systems are in place to provide the proposed services (e.g., network management, provisioning, billing and customer care, etc...) These systems are designed to handle the additional services and subscribers that will be added by the proposed broadband services network.

The principle employees overseeing this project will be Roy Osborne and Henry C. Hudson. Mr. Osborne and Mr. Hudson have been responsible for the design, construction and operation of an HFC plant. Additionally, both have attended several continuing education seminars. Mr. Hudson has 20 years experience in cable television and telecommunications and 19 years as a supervisor. He has attended several SCTE technical seminars including Technology for Technicians, Fiber Technology for Technicians, and Cable Technology for Technicians and is also HAZMAT certified. Mr. Osborne has 14 years experience in cable television and telecommunications and 9 years as an Assistant Superintendent. He has attended SCTE Training such as Data Technology for Technicians, Technology for Technicians, and Optical Fiber in the HFC Plant. Additionally he has completed Motorola’s Canopy Network Training.

- 7. **Application Reference: Attachment E (Project Plan)** - Please provide updated Attachment E or more detailed project plan in response to this Supplemental Information Request as detailed below:

<b>ATTACHMENT E - PROJECT PLAN</b>	
<b>Project Plan Details</b>	Please confirm Attachment E includes a Project Plan with major milestones and a full list of critical tasks required to complete the planning, design and engineering, acquisition and installation, testing, and transition to operations of the proposed broadband infrastructure project. The details of the project plan should accurately reflect the size and complexity of the proposed project with larger projects providing more details to address the increased requirements.

**The Applicant’s intent is that work on the project will begin immediately after the grant money is received. The Applicant has revised its Project Plan**

Time Period	Quarter	List All Relevant Milestones	Support for Reasonableness/Data Points
Year 0	1 <sup>st</sup>	<p><b>Predesign</b></p> <p>Phase 1: <u>Establishment of Project Funds</u></p> <p>Step 1 : Doug Beckham, City Manager will, upon being awarded the BTOP grant, begin the process of acquiring our loan for the City of Williamstown’s portion of the projects funding.</p> <p>Step 2: Doug Beckham, City manager will confirm the BTOP funds are in place as they should be and ready for use.</p> <p>Phase 2: <u>Project Initiation</u></p> <p>Step 1: Roy Osborne, Asst. Superintendent of Cable, will inform all parties involved in the project of the strategies and responsibilities assigned to each person. The Applicant will enter into a contract to hire Cable Development Consulting to design and map the system.</p> <p>Step 2: Roy Osborne will contact Cable Development Consulting. The Sample design will be reviewed and any changes that need to be made can be adjusted.</p> <p>Step 3: Cable Development Consulting will do a walkout of the entire area to be served and begin collecting data for GIS Mapping of the project.</p> <p><b>Design</b></p> <p>Phase 1: <u>System Design</u></p> <p>Step 1: Cable Development Consulting will design a Commscope Bright Path fiber to the home build for the project area.</p> <p>Step 2: Chuck Hudson,</p>	<p>Pole attachment agreements are complete. Franchise agreements are in place. No rights-of-way agreements need to be obtained. Agreement in place with Insight Communications (the middle mile provider). Letters of intent from vendors, engineering firm, and construction firm.</p>

		<p>Superintendent of Cable and Roy Osborne, Asst Superintendent of Cable, will work with Cable Development Consulting to review the design and make adjustments.</p> <p>Step 3: Chuck Hudson and Roy Osborne will drive out the project area to make certain pole lines and power locations reflected in the design match what is present.</p> <p>Phase 2: <u>Bill of Materials &amp; Construction Specifications</u></p> <p>Step 1: Cable Development, after final review of the complete design, will create a Bill of Materials and Construction Specifications for the project.</p> <p>Step 2: Chuck Hudson will review the BOM &amp; Construction Specifications for accuracy with the design.</p> <p><b>Construction</b></p> <p>Doug Beckham will distribute Request for Proposals . Bids will be received by the City, reviewed &amp; awarded.</p> <p>The Applicant will enter into a contract with Bowlin Services for the construction of the system. Bowlin Services will begin making preparations for construction. This may include, meeting with the Applicant and Cable Development Consulting to review the equipment lists and construction specifications.</p> <p>The Applicant will enter into contracts with vendors to purchase the necessary materials and equipment. The vendors will ship the necessary materials and equipment to the Applicant.</p>	
	<p>2nd</p>	<p>Bowlin Construction will construct a Fiber-to-the-Home system. It will attach to the existing seventy-two-count fiber, which runs directly to the Applicant’s Headend (POP) in Williamstown, KY. Fiber will be attached to existing poles or placed in existing conduit. Four optical nodes will be</p>	<p>Contractors are aware of project and have crews ready. The Applicant has used this contractor in the past for fiber construction projects with</p>

		placed to distribute the broadband connection.	excellent results.  No new poles need to be placed and no new conduit need to be dug.
	3 <sup>rd</sup>	Completion of construction of fiber lines by Bowlin Services. The Applicant will test the system. Applicant will required Bowlin Services to make any necessary adjustments to the system.	System build is small and crews are experienced. The Applicant already owns testing equipment and is knowledgeable in its use.
	4 <sup>th</sup>	Bowlin Services will construct drop lines to Anchor Institutions, homes and businesses. Customers are put on the network.	

8. **Application Reference: Attachment G (Detailed Project Costs)** - Please provide updated Attachment G and more detailed project cost estimate in response to this Supplemental Information Request as detailed below:

ATTACHMENT G – DETAILED PROJECT COSTS	
<b>Detailed Project Costs</b>	Please confirm Attachment G includes a Detailed Project Costs table that shows a further breakout of bill of materials with quantities and unit costs required to validate and support the network and system design. Please ensure, for example, that Last Mile, Middle Mile and other Project infrastructure and service delivery capital costs are clearly broken out and labeled in support of your Last Mile project application information... The Detailed Project Costs table should not include single entry, rolled up cost estimates for network access equipment, outside plan, node buildings etc. Assets depicted on the Network Diagram should have an associated line item in the Detailed Project Cost table.

The Applicant confirms Attachment G includes a Detailed Project Costs table that shows a further breakout of bill of materials with quantities and unit costs required to validate and support the network and system design.

9. **Application Reference: Attachment L, M, and N (Pro Forma Financial Statements)** – See Pro Forma Financial Statements Guide.

ATTACHMENT L, M, and N – PRO FORMA FINANCIAL STATEMENTS
<i>(Please see Pro Forma Financial Statements Guide as a reference)</i>

10. **Application Reference: Question 47 (Historical Financial Statements)** – If not submitted with the original application, please provide 2 years of Historical Financial Statements for the applicant organization that will have direct ownership of the project. Provide any available historical statements for recently formed entities, such as internally prepared statements, for the most recent period end.

<b>QUESTION 47 – HISTORICAL FINANCIAL STATEMENTS</b>	
<b>General Comment</b>	If not already included in Application, please provide 2 years of Historical Financial Statements for the organization. If financial statements have been audited, please provide a signed letter from the auditing firm indicating its opinion of the audited findings.

The Applicant submitted 2 years Historical Financial Statements with its original application.

11. **Application Reference: Question 52 (Matching Funds)** - Please provide supporting documentation (such as non-binding LOI) from planned matching fund contributors along with narrative detailing the agreement with sub recipient as specified below:

<b>QUESTION 52 – MATCHING FUNDS</b>	
<b>Commitment Sources</b>	Indicate whether you are a subsidiary/holding company or are affiliated with any entities providing matching funds.
<b>Commitment Letters</b>	Provide letters from each contributor outlining their pledge for financial support.
<b>Contributors / Sub-recipients</b>	Please identify any sub recipients involved with this project. In addition, please explain the agreement with the sub recipient.

The Applicant is committed to fund the BTOP grant match of 20%. The total budget of the project is \$669,135. Thus, Applicant will fund \$133,827. The Applicant will obtain a loan from the Kentucky League of Cities to fund the \$133,827 required match. Attached please find a letter from the Kentucky League of Cities stating that it would be willing to finance this project.

The Applicant is not a subsidiary/holding company or affiliated with any entities providing matching funds. There are no sub recipients involved with this project.

## *Environmental Questionnaire*

**Environmental Questionnaire** Any project-related activity that may adversely affect the environment must not be undertaken prior to the completion of Rural Utilities Service/National Telecommunication and Information Administration environmental review process. Doing so may jeopardize consideration of your application. All of the following questions must be completed or the application will be considered incomplete. Note: The applicant may submit a copy of any environmental review document that has been prepared in connection with obtaining permits, approvals, or other financing for the proposed project from State, local or other federal bodies. Such material, to the extent relevant, may be used to meet the requirements herein.

- i. **Project Description:-**Describe all project-related construction activities, including, but not limited to building construction related to installing prefabricated buildings; internal modifications, or equipment additions to buildings or other structures (e.g., relocating interior walls or adding computer facilities); the construction and installation of buried cable; or installation of telecommunications transmission facilities including construction of new monopole towers, satellite dishes. Complete descriptions must be provided for each site affected by project-related construction activities.

The network will be located on existing overhead utility poles located within existing street rights-of-way owned by the Commonwealth of Kentucky or the City of Corinth. Other ancillary equipment will be hung from those utility poles, or located within the subscriber's existing business or residence.

- ii. **Map:** Include a map for each site affected by construction (recommend U.S. Geological Survey 7.5-minute quadrangle maps at a map scale of 1:24,000; larger scale maps may be provided for site-specific proposals). USGS maps may be obtained and purchased at the following website:<http://www.usgs.gov/pubprod/maps.html>. If appropriate, photographs or aerial photographs of site-specific proposals may be provided.
- iii. **Property Changes:** Describe and indicate the amount of property to be cleared, excavated, fenced, or otherwise disturbed by the project and describe the current land use and zoning for each project site affected by construction including whether the project is proposed to be located on public land owned or managed by the federal government.

No property will be cleared, excavated, fenced, or otherwise disturbed by the project. The project is not proposed to be located on public land owned or managed by the federal government. The majority of the land affected by the proposed project is zoned agricultural and single family home. A very small portion of the affected land is zoned "central business."

- iv. **Buildings:** Describe buildings or other structures (i.e., transmission facilities), including dimensions, to be constructed or modified. For linear projects, state whether the project is to be located on or within previously disturbed public rights-of-way.

This project is 100% linear project and will be located on or within previously disturbed public rights-of-way.

- v. **Wetlands:** Describe and indicate whether wetlands are present on or near the project site(s) affected by construction (maps of wetlands may be obtained from the U.S. Fish and Wildlife Service's National Wetland Inventory website: <http://www.fws.gov/wetlands/> or from soil maps obtained from the USDA

The Applicant has contacted Mr. Jesse Robinson, KY Division of Water, Water Quality Certification Section. Mr. Robinson is in the process of get the Applicant a map from the National

Wetland Inventory. As soon as Mr. Robinson delivers the map to the Applicant, we will forward it to NTIA and Booz/Allen/Hamilton.

- vi. **Critical Habitats:** Describe and indicate whether any project site(s) include or are near critical habitats or will affect any threatened, endangered or candidate species. Applicants must provide species lists and appropriate species accounts [http://ecos.fws.gov/tess\\_public/](http://ecos.fws.gov/tess_public/) for each county affected by construction of the project.

The Applicants has reviewed [http://ecos.fws.gov/tess\\_public/](http://ecos.fws.gov/tess_public/) for each county affected by construction of the project:

Grant County

Kentucky glade cress (*Leavenworthia exigua laciniata*): Candidate

Running Buffalo clover (*Trifolium stoloniferum*): Endangered

Icebox Cave beetle (*Pseudanophthalmus frigidus*): Candidate

Owen County

clubshell (*Pleurobema clava*) : Endangered

fanshell (*Cyprogenia stegaria*) : Endangered

Braun's rock-cress (*Arabis perstellata*) : Endangered

Ken Icebox Cave beetle (*Pseudanophthalmus frigidus*): Candidate tucky glade cress

(*Leavenworthia exigua laciniata*): Candidate

- vii. **Floodplains:** Describe whether or not any facility(ies) or site(s) are located within a 100 or 500-year floodplain. Information related to floodplains and National Flood Insurance Maps may be obtained from the Federal Emergency Management Agency's (FEMA) website <http://www.msc.fema.gov/webapp/wcs/storeservlet/CategoryDisplay?catalogId=10001&storeId=10001&categoryId=12001&langId=-1&usertype=G&type=1>. If any project-related construction activities are within floodplains, a copy of the FEMA, "FIRMette" with construction activities depicted on the map must be included. For obtaining FIRMettes review the tutorial provided by FEMA.

None of the area where the projected project will be built is located within a 100 or a 500-year floodplain. No floodplain maps have been prepared for the area (as confirmed by FEMA's website).

- vii. **Protected Lands:** Describe any cultural resources, including *historic properties*, i.e., properties listed in or eligible for listing in the National Register of Historic Places, which are located in or within a one-mile radius of the project area and how they may be impacted by the project. Information related to historic properties can be obtained from the State Historic Preservation Office (SHPO) in your respective State - see the website of the National Conference of SHPO: <http://www.ncshpo.org/find/index.htm> or from the Tribal Historic Preservation Officer (THPO) when tribal lands are involved. Applicants must gather information about the nature and location of these properties from the SHPO. SHPOs should be asked the following questions:

- a. Is the proposed project located on, within or adjacent to any properties listed in or eligible for listing in the National Register of Historic Places? Is the proposed project located on, within or adjacent to a National Historic Landmark? If the answer is yes, describe and indicate the geographic relationship between the project and property with maps.

On February 24, 2010, the Applicant contacted Jill McNutt of the State Historic Preservation Office. The Applicant asked Ms. McNutt to determine whether the proposed project is located on, within or adjacent to any properties listed in or eligible for listing in the National Register of Historic Places or is the proposed project located on, within or adjacent to a National Historic Landmark. In response, Ms. McNutt has reported to the Applicant that there is one National Register-listed property in southern Grant County – the Starnes Bridge

spanning Eagle Creek on KY 1993. She reports that there are currently no National Register listed properties or National Landmarks in Williamstown or Corinth, or in the immediate area across the border in Owen County.

- b. Will the proposed project impact, use or alter a building or structure that was constructed more than 50 years ago? If so, describe the building/structure with a statement of its condition, including photographs, and document its age.

On February 24, 2010, the Applicant contacted Jill McNutt of the State Historic Preservation Office. The Applicant asked Ms. McNutt to determine whether the proposed project will impact, use or alter a building or structure that was constructed more than 50 years ago. Ms. McNutt reported that there appears to be 75 surveyed historic resources (buildings over 50 years of age) that the State is aware of in and between Williamstown and Corinth and in the surrounding area (only two of which look near enough in Owen County to possibly fall within the project area.) Many are along US Hwy 25 and the central parts of each community. She reported that more than 2/3 of these resources are in Williamstown and would not be in the proposed project area.

Because the Applicant plans to use existing power line poles in existing public rights-of-way, the proposed project will not impact, use or alter a building or structure that was constructed more than 50 years ago.

- c. Is any portion of the project located on tribal lands, meaning lands within the exterior boundaries of any Indian reservation and all dependent Indian communities?

On February 24, 2010, the Applicant contacted Jill McNutt of the State Historic Preservation Office. Ms. McNutt reported that no portion of the project is located on tribal lands, meaning lands within the exterior boundaries of any Indian reservation and all dependent Indian communities.

- d. Applicants must provide SHOP/THPO responses/information to these questions including any correspondence with the SHPO/THPO, as applicable. See Above.

- viii. **Coastal Areas:** Determine whether or not the project is within the boundaries of a coastal zone management area (CZMA). For boundary related and contact information related to CZMA, see National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management's website: <http://coastalmanagement.noaa.gov/consistency/welcome.html>

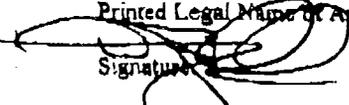
The project is not within the boundaries of a coastal zone management area (CZMA). This has been determined by reviewing maps on the National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management's website.

- ix. **Brownfields:** Determine whether the project is located within a brownfield site. Per 42 U.S.C. 9601, the term "brownfield site" means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Maps and locations of sites, facilities and properties that have been contaminated by hazardous materials and are being, or have been, cleaned up under EPA's Superfund, RCRA and/or brownfields cleanup programs can be found at the following website: <http://iaspub.epa.gov/Cleanups/>.

The project is not located within a brownfield site. This determination was made after reviewing the maps on <http://iaspub.epa.gov/Cleanups/>.

Note: The applicant may submit a copy of any environmental review document that has been prepared in connection with obtaining permits, approvals, or other financing for the proposed project from State, local or other federal bodies. Such material, to the extent relevant, may be used to meet the requirements herein.

Printed Legal Name of Applicant: The City of Williamstown

Signature: 

Date:

Feb 23, 2010

The applicant's representative certifies to the best of his/her knowledge and belief that the information contained herein is accurate. Any false information may result in disqualification for consideration of financial assistance or the rescission of financial assistance.

RESOLUTION 2009-12

**A RESOLUTION OF THE CITY OF WILLIAMSTOWN, KENTUCKY,  
APPROVING APPLICATION TO UNITED STATES DEPARTMENT OF  
AGRICULTURE'S RURAL UTILITIES SERVICES BROADBAND INITIATIVE  
GRANT ASSISTANCE PROGRAM FOR FOR THE CONSTRUCTION OF A  
HIGH-SPEED INTERNET FIBER OPTIC SYSTEM AND FIBER  
TRANSMISSION LINK THAT WILL PROVIDE THE CITY OF CORINTH,  
KENTUCKY WITH HIGH-SPEED INTERNET SERVICE**

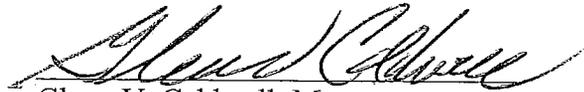
- WHEREAS,** It is commonly accepted that access to high-speed internet services is critical to develop and sustain local economies in today's marketplace; and,
- WHEREAS,** The Mayor and City Council of the City of Corinth, Kentucky, have recognized that it is essential for the economy of the City of Corinth to provide high speed internet access to its citizens and businesses in order for those citizens and businesses to conduct business in commonly accepted communication methods; and,
- WHEREAS,** As a result of the topography of the area interfering with radio signals, wireless broadband access is available only in extremely limited areas in the City of Corinth and surrounding area; and,
- WHEREAS,** The City of Williamstown, Kentucky, owns and operates a fiber optic telecommunications system that provides high speed internet access to its citizens, and to portions of Grant County; and,
- WHEREAS,** The proximity of the City of Williamstown to the City of Corinth makes it feasible to extend a fiber optic line from the City of Williamstown to the City of Corinth that will provide high speed internet services to the citizens and businesses of the City of Corinth that provides greater access, higher speed, and superior area coverage to said citizens and businesses, and further, provides a service that is more efficient and cost effective to those citizens and businesses.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WILLIAMSTOWN, KENTUCKY,** that the City Council of the City of Williamstown, Kentucky does hereby endorse and approve the application to the USDA Broadband Initiative Program by the City of Williamstown for the construction of a high-speed internet fiber optic system in the City of Corinth, Kentucky, and a fiber transmission link from the City of Williamstown, Kentucky, to the City of Corinth, Kentucky, to facilitate and provide high-speed internet service to the citizens and

businesses of the City of Corinth, Kentucky.

---

Resolved this, the 3<sup>rd</sup> day of August, 2009, by the City Council of the City of Williamstown, Kentucky, on a motion made by Councilperson Woodyard, and on a second by Councilperson Perry, and approved by a vote of 6-0.



Glenn V. Caldwell, Mayor  
City of Williamstown, Kentucky

ATTEST:



Vivian Link, City Clerk/Treasurer

---