

Comprehensive Community Infrastructure Budget Narrative Template

Applicant Name: JKM Consulting, Inc. dba - M² Connections

EasyGrants Number: 6757

Organization Type: For profit entity

Proposed Period of Performance: 3 years

Total Project Costs: \$8,199,737

Total Federal Grant Request: \$ 6,292,197

Total Matching Funds (Cash): \$ 51,000

Total Matching Funds (In-Kind): \$ 1,879,540

Total Matching Funds (Cash + In-Kind): \$ 1,930,540

Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 23.5%

1. Administrative and legal expenses - \$ 510,200

Grant Administration will be performed by East Alabama Regional Planning Commission. An experienced grant contractor will devote the time required to fulfill the grant contract requirements from grant award through grant closure. This position will be retained by the grantee through a contract basis for a fee of \$100,000 total for the three year project.

M² Connections, a division of JKM Consulting will provide Administration and Network Design, as well as, serve as Program Management at the contracted rate of \$392,000 for the total three year project. See attached Organizational Chart for additional detail.

This area also includes \$17,800 for grant preparation expenses, outside counsel attorney fee's for contract review and CPA fee's associated with due diligence.

There are no In-Kind or Cash Match funds for this category.

The total cost for Project BEAR Administration and legal expenses will be \$510,200.

2. Land, structure, rights-of-way, appraisals, etc. - \$ 486,000

Costs outlined in this category include the value of the initial three years of a capital lease for six (6) tower structures. Five (5) sites are reflected as in-kind donations from Clay County Commission; one (1) is a three year lease from Calhoun County EMA. Market rates were utilized for calculating the In-Kind matching funds. Six leased colocation spaces with 5 in-kind and one leased from Southern Company Services at the value of the first three years of a capital lease.

The In-Kind Match is \$405,000 comprised of the following components:

- \$225,000 for five (5) towers (with utilities), accessible sites valued at \$45,000 each, utilizing market rate for three year lease.
- Facility for network interconnection of dark fiber and services provided by Jacksonville State University, James Cable, Southern Union Community College and Clay County Hospital: five (5) 23" data center racks at market rate for data center/POP collocation space at \$12,000/year per 23" rack for a three year lease value of \$180,000.

The Cash <u>Match is \$81,000</u> comprised of the following components:

- One (1) tower at the value of a 3 year capital lease \$45,000
- One data center rack at the value of a 3 year capital lease \$36,000.
- Cash match will come from a combination of capital contribution from JKM Consulting and program income.

3. Relocation expenses and payment - \$ 0

No relocation expenses are required for Project Bear.

4. Architectural and engineering fees - \$514,204

Detailed engineering costs are included in the system cost for each wireless system, totaling for this project at \$100,000. The detailed cost for fiber deployment is based upon a rate of \$0.18 per foot for a total of \$ 88,704.

Additional Engineering, permits, Project Management and field inspecters \$325,500.

There are no In-Kind or Cash Match for this category.

5. Other architectural and engineering fees - \$ 75,000

Other engineering fees to cover optronics engineering, IP network design and documentation of the completed project are included in this amount.

There are no In-Kind or Cash Match for this category.

6. Project inspection fees - \$ 0

Project does not include activities that warrant government or other project inspection fees.

7. <u>Site work - \$ 0</u>

Project will utilize existing tower structures and the space within on-site buildings. Other equipment will utilize Anchor Institution provided space.

8. Demolition and removal - \$ 0

Not required for this proejct. A number of the sites are underutilized, therefore minimal preparation is required.

9. Construction - \$4,470,516

This section covers the cost of constructing the new fiber, acquiring an IRU for fibers and In-Kind contributions of dark fiber.

New fiber to be constructed is 96 fiber SMF type predominately direct buried with directional boring as needed and some aerial for laterals and to avoid areas of rock. Rate is based on contractor estimate from previous jobs.

New Fiber Construction Cost 463,570 \$6.48 \$3,004,976

IRU fiber is for two dark fibers, with access to two maintenance fibers as needed. These fibers are part of a Southern Company electrical grid control communications network. The fibers traverse a National Forrest and Wilderness area where no new construction is permitted and will form the protection side of a ring serving Clay and Talladega Counties. Initially, WDM technology will be deployed on these fibers to allow for significant broadbandband capacity.

IRU Fiber 168,960 \$0.91 \$ 153,000

The third component is the In-Kind contribution from Anniston Fiber Optic and James Cable LLC.



Anniston Fiber Optics contribution is 26 sheath miles of 96 fiber count fiber cable. This system was originally designed to be the core baseline for an expansion such as this. Every sheath mile will be utilized in this project. Accordingly, since the cable has been in service for less than a year and only 10% of the network is in use, we have valued this at 80% of original construction cost.

AFO 137,280 \$6.32 \$868,000

The James Cable contribution is 31 sheath miles of 6 count fiber. Because of the terrain, rock and National Forrest constraints, this fiber would be very expensive to overbuild. Accordingly we have valued this contribution at the market rate established by Southern Company as the only dark fiber provider in the region.

Wadley Cable	137,280	\$2.72	\$372,840
Lineville Fiber	26,400	\$2.72	\$71,700
Total In Kind	300,960	\$4.36	\$1,312,540

10. Equipment - \$ 2,078,817

NETWORK & ACCESS EQUIPMENT			\$1,443,482
Routing	0	0	\$0
12 port layer 3 switch	6	\$2,000	\$12,000
Juniper Core Router	1	\$150,000	\$150,000
Juniper J2320 router W/1GB	1	\$4,714	\$4,714
Transport			
Fiber Media Converters	80	\$1,500	\$120,000
OC48 Nodes	4	\$45,000	\$180,000
Existing OC48 Nodes	4	\$40,500	\$162,000
5GHz multi band wireless backhaul	8	\$4,278.57	\$34,229
Radio link 108Mbps	2	\$11,285.71	\$22,571
Access			
AP Base Station System with Ant	6	\$126,327.96	\$757,968
CUSTOMER PREMISE EQUIPMENT			\$562,500
Customer Prem Modems	2,500	\$225	\$562,500

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There are no In-Kind or Cash Match for this category.

11. Miscellaneous - \$ 65,000

This is for un-catorgized items such as signage required by NTIA and other agencies, supplies that may be used across various budget items, generic T&E, storage yard rental, conference room rental for pre-bid and bid meetings, etc.

No cash match.

No in-kind match.

13. Contingencies - \$0

- Contingencies are an unallowable expenditures under BTOP.

15. Project (program) income - \$0

- The value for this line-item on the SF-424C is \$0. Please do not provide an estimated Project (program income) on the SF-424C.

Anniston Fiber Optics, LLC

256.237.9311 FAX: 256.237.0713

March 22, 2010

Broadband Technology Opportunities Program NTIA U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

To Whom it May Concern:

Anniston Fiber Optics, Inc. (AFO) is a non-profit 501c3 organization founded to provide educational technology improvements for at-risk students by providing broadband access in the east Alabama region. Our current network consists of twenty-six (26) miles of fiber connecting all six of the Anniston City Schools, three county schools, two campuses for Gadsden State Community College, Coosa Valley Juvenile Services campus, Calhoun County Sheriff Department and Calhoun County courthouse.

Through a partnering effort with M² Connections, a *division of JKM Consulting, Inc.*, Anniston Fiber Optics, Inc will be contributing the use of the 96 fiber count, twentysix mile fiber network as an In-Kind Match Contribution to the Round 2 application of Project BEAR. This In-Kind match is predicated upon the ability for the contribution to be structured in a manner as not to jeopardize the 501c3 status of Anniston Fiber Optic, Inc.

AFO supports this multi-county collaborative effort and its purpose to connect multiple educational facilities, medical facilities, museums, libraries and 'at risk' juvenile education and after school facilities.

Sincerely,

Donald W. Stewart

CLAY COUNTY COMMISSION

Clay County Judicial Building Hwy 77 P.O. Box 187 ASHLAND, ALABAMA 36251 Phone (256) 354-7888 FAX (256) 354-3208



Terry Meek District 3 KevIn Kiser District 4 Ricky Burney District 5

COMMISSIONERS

Wayne Watts *District 1* Roy H. Johnson *District 2*

19 March 2010

Broadband Technology Opportunities Program National Telecommunications and Information Administration U.S. Department of Commerce HCHB, Room 4812 1401 Constitution Avenue, NW Washington, DC 20230

As a member of the East Alabama Regional Planning and Development Commission, we are excited about the broadband fiber project that you are pursuing in our area. We are aware that the NTIA has encouraged all middle mile stimulus projects to consider community Anchor Institutions as key waypoints along the various fiber routes being contemplated. Our community anchors are interested in benefiting from this project and will approach last mile providers in the event you are funded. As such, we would like you to consider the following locations along your proposed project line in our county. Many of these anchor institutions are government owned buildings that have need of new fiber connectivity or enhanced service.

- 1. Cheaha State Park
- 2. Delta Rural Community Center
- 3. Barfield Volunteer Fire Dept.
- 4. Barfield Primary School
- 5. Ashland City Hall
- 6. Ashland Library
- 7. Ashland Fire Dept.
- 8. Ashland Police Dept.
- 9. Ashland Elementary
- 10. Ashland Primary School
- 11. Clay County High School-Ashland
- 12. Clay County Judicial Facility
- 13. Clay County Courthouse
- 14. Clay County EMA/911
- 15. Clay County Chamber of Commerce
- 16. Clay County Road Department
- 17. Clay County Health Dept.
- 18. Clay County DHR
- 19. Clay County Water Authority

- 20. Clay County Industrial Park
- 21. Clay County Hospital
- 22. Lineville Industrial Park
- 23. Lineville Fire Dept.
- 24. Lineville Police Dept.
- 25. Lineville High School
- 26. Lineville Elementary School
- 27. Lineville Head Start
- 28. Lineville Park Complex
- 29. Lineville City Hall
- 30. Lineville Library

We are prepared to provide up to 30% matching funds in the form of in-kind services. These services are listed below. The Clay County Industrial Board has been asked to provide \$10,000 matching funds. They will meet on March 25th and make a decision on this matter.

- 1. Towers (3)
- 2. Water Towers serving as a tower (2)
- 3. Tower (in negotiation with Alabama Forestry) (1)
- 4. Rack space for (5) tower locations
- 5. Rack space for (5) additional locations as needed

This is a wonderful opportunity to enhance our ability to share information. This project will benefit not only the citizens of Clay County but our healthcare facilities, educational institutions, public safety, government, and industry. Please let us know if you require any other information.

Respectfully,

- Hor

Terry J. Meek Chairman, Clay County Commission



EAST ALABAMA REGIONAL PLANNING AND DEVELOPMENT COMMISSION

1130 Quintard Avenue • Suite 300, Quintard Tower • P.O. Box 2186 • Anniston, Alabama 36202 Phone: (256) 237-6741• FAX: (256) 237-6763 • E-mail: earpdc@adss.alabama.gov web site: www.earpdc.org

> James W. (Bill) Curtis, FAICP Executive Director

March 25, 2010

National Telecommunications and Information Administration Broadband Technology Opportunities Program U.S. Department of Commerce 1401 Constitution Avenue, NW HCHB, Room 4812 Washington, DC 20230

RE: Project BEAR

The East Alabama Regional Planning and Development Commission has supported and been active in the process of facilitating the Project BEAR Initiative. This effort has been successful in garnering collaborative relationships between private and public organizations. These collaborations are essential to bringing the Initiative to fruition. We will continue to participate in this project to further solidify these collaborations for the future growth of broadband in the East Alabama Region. We hope that these partnerships will carry over into other projects of common interest in the region.

In addition, this Initiative is consistent with our Comprehensive Economic Development Strategy (CEDS) for the East Alabama Region, a document developed and maintained by the Commission in partnership with the Department of Commerce Economic Development Administration. The CEDS goal specifically is to "Promote expansion of advanced telecommunications infrastructure and technology within the region". The Project BEAR Initiative will further the goals of the CEDS and provide significant input toward its success.

Sincerely,

James W. Curtis Executive Director



James Cable, LLC 15 Braintree Hill Office Park, #102 Braintree, MA 02184 (781) 356-8701

March 23, 2010

National Telecommunications and Information Administration Broadband Technology Opportunities Program U.S. Department of Commerce Washington, DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

Dear Madame or Sir:

James Cable, LLC offers rural communities cable, internet and phone services ranging from basic cable to high speed bandwidth in nine states as CommuniComm Services. We are writing this letter in support and as part of a collaborative effort with M² Connections', *a division of JKM Consulting, Inc.* Round 2 BTOP Funding application grant for Project BEAR (Broadband for East Alabama Region).

James Cable, LLC through a partnering effort will be supporting this program with In-Kind match contributions of six fibers in the Clay County and Randolph County proposed funded service areas for a total fiber mile contribution of 31 sheath miles of fiber. Also, upon approval of funding from NTIA, we are interested in negotiating contracts with M² Connections to purchase wholesale facilities and serve as a WISP (Wireless Internet Service Provider) for the residential and business consumers in our existing service territory of Clay county as enhancement and expansion of our current service offerings.

We support the grant application of M^2 Connections through our partnering efforts with fiber deployment and affirm our interest in becoming a client to enhance our Last Mile capabilities.

Sincerely

Scott A. Madison V.P. Engineering and Technology

JACKSONVILLE STATE UNIVERSITY 700 Pelham Road North Jacksonville, AL 36265-1602

Office of the Vice President Division of Information Technology (256) 782-5201 phone (256) 782-5208

March 19, 2010

Broadband Technology Opportunities Program National Telecommunications and Information Administration U.S. Department of Commerce HCRB, Room 4812 1401 Constitution Avenue, NW Washington, DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

Dear Madame or Sir:

M2 Connections, a division of JKM Consulting, Inc. is submitting a Round 2 BTOP Funding application grant for Project BEAR (Broadband for East Alabama Region), a regional collaboration between local governments, agencies and Anniston Fiber Optics to bring affordable broadband to all areas of the region.

Jacksonville State University would like to express our interest in utilizing the fiber optic facilities outlined in this application. We support this effort to and feel this addresses a tremendous need in this area. JSU anticipates the use of this network to provide a more reliable communication bridge between its main campus at 700 Pelham Road North, Jacksonville, AL 36265 and the remote JSU McClellan campus at 100 Gamecock Drive, Anniston, AL 36205. Upon approval of this project, JSU will consider providing an In-Kind contribution to this network by providing rack space in our computer center to serve the network needs of this project.

The use of this network will enhance JSU's ability to provide additional distance education services to the surrounding communities and school systems, as well as provide an economical access to Internet 2 services.

Overall, we are excited about the possibility of being able to provide faculty and staff with broadband in areas where it currently does not exist.

Sincerely. Vinson Houston

Acting Vice-President for Information Technology Jacksonville State University

An Equal Opportunity / Affirmative Action Employer







COMMUNICATION CONTRACTOR

P. O. BOX 545 PELL CITY, ALABAMA 35125 (205) 338-2017 HIGHWAY 231 NORTH

March 25, 2010

M2 Connections A Division of JKM Consulting, Inc. P O Box 3250 Oxford, AL 36203

Gentlemen:

Gordon Palmgren, Inc. would be interested in assisting your company to complete the goals that are set forth in your grant application. We have been in the OSP construction business for over thirty years. If your application is approved, Gordon Palmgren, Inc. is available to provide qualified labor and equipment to finish the projects in the time frame indicated.

We have been working hand in hand with many telephone companies for over twentyfive years and have much experience installing fiber optic facilities for broadband infrastructure programs. If requested, we would be glad to submit RUS qualification forms. They will reflect our equipment list and financial stability.

Sincerely,

IW Galorgron

G. W. Palmgren President

HOMELAND SECURITY COMMITTEE

MANAGEMENT, INVESTIGATIONS, AND OVERSIGHT

RANKING MEMBER

EMERGENCY COMMUNICATIONS, PREPAREDNESS, AND RESPONSE

ARMED SERVICES COMMITTEE READINESS

STRATEGIC FORCES

AGRICULTURE COMMITTEE Conservation, Credit, Energy, and Research Livestock, Dairy, and Poultry

Congress of the United States House of Representatives

MIKE ROGERS

3RD DISTRICT, ALABAMA

324 CANNON HOUSE OFFICE BUILDING WASHINGTON, DC 20515–0103 PHONE: (202) 225–3261 FAX: (202) 226–8485

www.house.gov/mike-rogers



Assistant Secretary of Commerce National Telecommunications and Information Administration U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, D.C. 20230

Dear Mr. Strickland:

I enthusiastically endorse the grant application for the Broadband Technology Opportunities Program submitted by M² Connections. If awarded, this funding will provide for the expansion of Broadband in Calhoun, Clay, Randolph and Talladega counties, in East Alabama, which are in the Third Congressional District that I represent.

Much of my district is rural and the push for broadband has failed to reach these rural areas. My office receives several calls per month wanting to know if I may assist them in getting broadband to their homes. The need for this technology in today's world is apparent and will continue to increase. My constituents deserve the opportunity to access the internet through broadband.

I respectfully request that you give this grant application your most thoughtful and serious consideration.

Sincerely,

Member of Congress

MR: ld

1819 PEPPERELL PARKWAY SUITE 203 OPELIKA, ALABAMA 36801 PHONE: (334) 745-6221 FAX: (334) 742-0109



Calhoun County Schools

Technology Department

4400 McClellan Blvd. PO Box 2084 Anniston, AL 36202 Phone: (256)-741-7470 Fax: (256) 237-9316

March 19, 2010

National Telecommunications and Information Administration Broadband Technology Opportunities Program U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

Dear Madame or Sir:

This letter is submitted to express the interest of the Calhoun County School System in the Project BEAR application for our area. The Calhoun County School system is very interested in upgrading service capacity from 10Mbps to 100Mbps at discounted rates to any of our county school sites, including alternative schools and Board of Education.

We understand that M² Connections, *a division of JKM Consulting, Inc.* is submitting a Round 2 BTOP Funding application grant for Project BEAR (Broadband for East Alabama Region), a regional collaboration between local governments, agencies and Anniston Fiber Optics to bring affordable broadband to all areas of the region.

We look forward to the benefits this project will bring to faculty at our school sites and to the students who do not have access to broadband in their area.

Sincerely MARDA Na

Lisa Amerson Calhoun County Board of Education Technology Director

Clay County Rescue Squad 453 Taylor Road Lineville, Alabama 36266 (256)396-0445

Ricky Farr Captain RS-1

Scotty Parker Jr. Captain RS-2

Jeff Stone First Lieutenant RS-3

Doug Haliman Second Lieutenant RS-4

David Holcombe Sergeant RS-5

Randall Upchurch Secretary RS-6

> Pete Ward Treasurer RS-7

The advantages for having access to broadband services are very significant for a rural county. Such advantages for just the public safety segment of the county public service agencies are quite numerous. The Clay County public safety agencies which can benefit from such access include the Ashland Police Department, Lineville Police Department, Clay County Sheriff Office, the Clay County Rescue Squad, Clay County Emergency Management Agency, E911 service and the eighteen volunteer fire departments within the county. Improving the ability of these agencies to function and cooperate with other local and state resources is vital to ensure the continued well-being of the citizens of Clav County. The benefits of the broadband project can be seen in both qualitative and quantitative measurements.

The qualitative benefits can be seen in an overall improvement in agency response time and a general increase in agency productivity. Significant improvement would also occur in expediting criminal background checks in the field, information sharing between multiple agencies, alternative communication routes for field and station personnel, and vital medical data for emergency medical services.

The quantitative benefits will have an overall affect of allowing the public safety agencies with a lower expenditure of funds to obtain broadband services. It is estimated that these agencies would save more than \$85,000 in a five-year period. The savings will allow the essential financial resources to be allocated to other needed areas. The public safety agencies of Clay County consider obtaining broadband capabilities a priority in modernizing emergency response capability.

Sincerely_

Senior Captain Clay County Rescue Squad

To Whom it may concern:

Clay County Healthcare Authority

83825 Highway 9 P. O. Box 1270 Ashland, Alubama 36251 _.....

Telephone 256-354-2131

Clay County Hospital Clay County Nursing Home Twin Oaks Assisted Living

March 19, 2010

Broadband Technology Opportunities Program National Telecommunications and Information Administration U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230

Support for the PROJECT BEAR (Broadband for East Alabama) Re: **Application for Round 2 BTOP Funding**

Dear Madame or Sir:

M² Connections, a division of JKM Consulting, Inc. is submitting a Round 2 BTOP Funding application grant for Project BEAR (Broadband for East Alabama Region), a regional collaboration between local governments and agencies to bring affordable broadband to areas of the region.

Clay County Hospital and Wellness Center would like to express our interest in utilizing the fiber optic facilities outlined in this application. We support this effort to and feel this addresses a tremendous need in our community. Clay County Hospital is committed to an In-Kind contribution to this network by providing rack space in our computer center to serve the network needs of this project.

The use of this network will enhance Clay County Hospital and Wellness Center's ability to provide distance education services to the surrounding secondary educational systems, as well as provide an economical access for advancements in telemedicine.

Sincerely,

Kerry W Tomlin

Associate Administrator

CLAY COUNTY EMA

Chief of Police: Monty Giddens *Lincolls Police Department* P.O. Box 247 40 2nd Avenue Lineville, Al. 36266 *Telephone:* (256)396-5533

Per No. : (256)396-0643

Lieutenant: Richard Bickerstaff

linevillepolice@yahoo.com

March 23, 2010

The advantages for having access to broadband services are very significant for a rural county. Such advantages for just the public safety segment of the county public service agencies are quite numerous. The Clay County public safety agencies which can benefit from such access include the Ashland Police Department, Lineville Police Department, Clay County Sheriff Office, the Clay County Rescue Squad, Clay County Emergency Management Agency, E911 service and the eighteen volunteer fire departments within the county. Improving the ability of these agencies to function and cooperate with other local and state resources is vital to ensure the continued well being of the citizens of Clay County. The benefits of the broadband project can be seen in both qualitative and quantitative measurements.

The qualitative benefits can be seen in an overall improvement in agency response time and a general increase in agency productivity. Significant improvement would also occur in expediting criminal background checks in the field, information sharing between multiple agencies, alternative communication routes for field and station personnel, and vital medical data for emergency medical services.

The quantitative benefits will have an overall affect of allowing the public safety agencies with a lower expenditure of funds to obtain broadband services. It is estimated that these agencies would save more than \$85,000 in a five year period. The savings will allow the essential financial resources to be allocated to other needed areas. The public safety agencies of Clay County consider obtaining broadband capabilities a priority in modernizing emergency response capability.

Thank You,

Monty Sillen

Chief of Police Lineville Police Department



March 24, 2010

Broadband Technology Opportunities Program National Telecommunications and Information Administration U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

Dear Madame or Sir:

M² Connections, *a division of JKM Consulting, Inc.* is submitting a Round 2 BTOP Funding application grant for Project BEAR (Broadband for East Alabama Region), a regional collaboration between local governments, agencies and Anniston Fiber Optics to bring affordable broadband to rural areas of east Alabama.

Main Street Broadband, a high-speed internet service provider with the latest in wireless broadband technology, and M² Connections are engaged in conversations regarding end user services. Upon approval of funding from NTIA, Main Street Broadband is interested in negotiating contracts with M² Connections to purchase wholesale facilities and serve as an Internet Service provider for the residential and business consumers in Calhoun, Clay and Randolph counties as identified in the Project BEAR application.

We support the grant application of M^2 Connections and affirm our interest in becoming a Last Mile provider for the Proposed Funded Service areas.

Sincerely,

Main Street Broadband LLC

Michael F. Mies Chief Executive Officer

Letter of Collaboration

This letter establishes the intent between M²Connections, a division of JKM Consulting, Inc., proposing agency, and Anniston Museum Complex (Anniston Museum of Natural History and Berman Museum of World History) to work in a collaborative relationship on "Project BEAR."

"Project BEAR" is a regional collaborative effort that will extend broadband access to un-served, underserved and low income areas of east Alabama. Service will also be provided to healthcare, education and public safety organizations. Project B.E.A.R. will expand a current core twenty-six mile network by adding fifty-two miles of fiber and fifteen wireless broadband access points.

Proposing Agency Commitment

Through M²Connections infrastructure project within "Project Bear," Anniston's Museums will be placed on the network as community organizations. This will provide internet access needed to carry out the proposed innovative educational project of these organizations described below.

Collaborating Agency Commitment

Anniston Museum of Natural History and Berman Museum of World History propose a collaboration to (1) make available unique educational programming for future access to distance learning to schools as well as to after-school youth programs, childcare facilities. home school students, and classrooms in the U.S., and (2) provide in-house internet access for groups and businesses while at the Museums. This project intends to increase the percentage of broadband usage by offering inexpensive (or free) future programming to be accessed via internet. It will strive to increase the community's awareness of the power of the internet through future exposure to school programming, virtual tours, teleconferences, and other similar internet tools.

Anniston Museum Complex

(Albray, Executive Director Signature, Title

3/25/2010

March 24, 2010

Broadband Technology Opportunities Program National Telecommunications and Information Administration U.S. Department of Commerce HCHB, Room 4812 1401 Constitution Avenue, NW Washington DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

Dear Madame or Sir:

 M^2 Connections, *a division of JKM Consulting, Inc.* is submitting a Round 2 BTOP Funding application grant for Project BEAR (Broadband for East Alabama Region), a regional collaboration effort to connect multiple institutions with broadband access.

Southern Union State Community College would like to express our interest in utilizing the fiber optic facilities outlined in this application. We support this effort and feel this addresses a tremendous need in our region. Upon approval of grant funding and service arrangements, Southern Union Community College will provide an In-Kind contribution to this network by providing rack space in our computer center to serve the network needs of this project.

The use of this network will enhance Southern Union State Community College's ability to provide additional distance education services to the surrounding communities and school systems, as well as provide an economical access to Internet 2 services.

Sincerely, henry Jorda

Cheryl Jordan Director of Management Information Systems



CITY OF TALLADEGA

FOUNDED 1834 MEMBER: ALABAMA LEAGUE OF MUNICIPALITIES

City Council

Horace L. Patterson, Sr. Eddie L. Tucker Robert D. Miller, Jr. Jimmy W. Davis Lance D. Grissett

March 21, 2010

Brian York Mayor

Michael Stampfler *City Manager* (256) 362-8775

National Telecommunications and Information Administration Broadband Technology Opportunities Program U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230

Re: Support for the PROJECT BEAR (Broadband for East Alabama) Application for Round 2 BTOP Funding

Dear Madame or Sir:

M² Connections, *a division of JKM Consulting, Inc.* is submitting a Round 2 application for Comprehensive Community Infrastructure to include Talladega, Alabama. This letter is submitted to express the City of Talladega's support for Project BEAR (Broadband for East Alabama Region) in NTIA's BTOP Round 2 application for our area.

We see the need for broadband enhancements as outlined in this application. We are encouraged at the economic value to Central Alabama Community College and Talladega College - Alabama's oldest historically black, Liberal Arts College.

In addition to the services to these institutions, we believe the fiber facilities of this project will add tremendous value to our ongoing Attraction/Reaction Economic Incentive Plan to recruit business for the City of Talladega. We look forward to the benefits this project will bring to our community and the surrounding communities.

Sincerely,

Chris Stone Director of Community Development City of Talladega





www.delorme.com

Delorme

1" = 3.95 mi

Data Zoom 9-2





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www.delorme.com

MN (3.4°W)

1" = 5,208.3 ft Data Zoom 11-0

Scale 1:62,500

XMap® 7







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Data Zoom 10-1



Delorme



DELORME



DELORME

Data Zoom 10-2

1" = 1.97 mi



www.delorme.com

Comprehensive Community Infrastructure Key Metrics Dashboard

Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile		
Applicant Name	JKM Consulting, INC doing business as M2 Connections	
Title	Project BEAR	
Easygrants ID	6757	
Headquarters	Munford, AL	
Size (2009 Data) of Applicant	Current Year Revenues: \$240,690	
Entity	Employees: 3	
Technology Type	y Type Fiber Optic/Fixed Wireless	
Key Partners	James Cable, Anniston Fiber Optics, East Alabama Regional Planning Commission, Clay County Commission	

Project Economics					
Budget Information			Project Financials		
Project Budget	Contribution (%) 76.5% Sch Amount (%) .62%		Project Revenues (Yr 8)	\$607,023	
Federal Contribution (%)			Net Income and Margin (Yr 8)	\$283,178	
Cash Match Amount (%)			EBITDA and Margin (Yr 8)	\$323,845/53%	
In Kind Match Amount (%)			Rate of Return (w/o BTOP Funds)	-16.77%	
Middle Mile/Last Mile Budget Allocation			Rate of Return (w/ BTOP Funds) 5.8%		
Middle Mile Percentage (%)			Cost Efficiency		
Last Mile Percentage (%)			Cost per Mile (MM)	\$25.286	
tural Last Mile Percentage 13%			Cost per Household (LM)	\$62.45	

Market Territory			
Geographic Area(s)			
Middle Mile Network Compos	ition		
Total Proposed Network	Total Miles: 176.8		
Miles (MM only)	Backbone Miles: 173.0		
	Lateral Miles: 3.8		
New Construction Network	Total Miles: 48		
Miles (MM only)	Backbone Miles: 80.2		
wines (wind only)	Lateral Miles: 3.8		
Existing Applicant Network	Total Miles: 0		
Miles Utilized (MM only)	Backbone Miles: 0		
	Lateral Miles: 0		
Leased Network Miles	Total Miles: 32		
Utilized (MM only)	Backbone Miles: 32		
Otilized (Mini Otily)	Lateral Miles: 0		
Underserved/Unserved	Percentage of Backbone Miles in Underserved/Unserved Areas: 40.2		
onderserved, onserved	Percentage of Lateral Miles in Underserved/Unserved Areas: 0		
Existing Customer Base			

Comprehensive Community Infrastructure Key Metrics Dashboard

Existing Residential/Individual Customers within PFSA	0
Existing Business Customers within PFSA	0
Existing Community Anchor Institution Customers within PFSA	 Total CAI's: 46 Community Colleges: 2 Public Safety Entities: 9
Existing Third Party Service Provider Customers within PFSA	0
Potential Customer Base	
Market Potential Households (within PFSA)	Total HH's: 52,818Located in Underserved/Unserved Areas: 21,634
Market Potential Businesses (within PFSA)	 Total Businesses: 3,707 Located in Underserved/Unserved Areas: 1,030
Market Potential Community Anchor Institutions (within PFSA)	 Total CAI's: 124 Located in Underserved/Unserved Areas: 52 Community Colleges: 4 Public Safety Entities: 28
Market Potential Third Party Service Providers (within PFSA)	 Total Third Party Service Providers in PFSA: 3 Expressing Commitment or Letter of Interest: 3
Funded Network Coverage	
Households Connected to Network (via BTOP Funds by end of Year 3)	 Total Households Connected: 2300 Located in Underserved/Unserved Areas: 2300
Businesses Connected to Network (via BTOP Funds by end of Year 3)	 Total Businesses Connected: 9 Located in Underserved/Unserved Areas: 9
Community Anchor Institutions Directly Connected (via BTOP Funds by end of Year 3)	 Total Directly Connected CAI's: 46 Located in Underserved/Unserved Areas: 20 Community Colleges: 2 Public Safety Entities: 9
Projected Subscribers by Year Five	Directly Served by Applicant• Community Anchor Institutions: 46• Households: 2400• Businesses: 12• Third Party Service Providers: 1Served by Proposed Network Via Third Party Service Provider• Community Anchor Institutions: 46• Households: 0• Businesses: 0

Comprehensive Community Infrastructure Key Metrics Dashboard

Other			
Proposed MM Network	Backbone: 2.5 gbs-10gbs		
Capacity	• Laterals: 100 mbs-1 gbs		
Proposed I M Notwork Speed	• Highest offered speed tier: Gold: 4 mbs-downstream, 2mbs-upstream		
Proposed LM Network Speed	 Estimated Average speed for highest speed tier: 3mbs 		
Total Doints of	• Total Pol's: 15		
Total Points of	 Pol's in Underserved/Unserved Areas: 16 		
Interconnection	 Environmentally-controlled, non-passive Pols: 0 		
	• Direct Job-years: 24		
Jobs Created	• Indirect Job-years: 20		
	Induced Job-years: 24		
Required Time for Project			
Completion (Number of			
Required Quarters to Fully	10		
Build-out and Test Network	10		
and Make Ready for			
Commercial Service)			

FORM CD-511 (REV 1-05)

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in conncection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying." in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the				
above applicable certification. JKM Consulting, INC	Project BEAR (EGID: 6757)			
NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME			
Janine K. Moses, President				
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	May 14,2010			
SIGNATURE	DÀTÉ			

CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS AND LOBBYING

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 26, "Governmentwide Debarment and Suspension (Nonprocurement)" and 15 CFR Part 28, "New Restrictions on Lobbying."

1. DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS

As required by Executive Order 12549, Debarment and Suspension, and implemented at 15 CFR Part 26, Section 26.510, Participants responsibilities, for prospective participants in lower tier covered transactions (except subcontracts for goods or services under the \$25,000 small purchase threshold unless the subtier recipient will have a critical influence on or substantive control over the award), as defined at 15 CFR Part 26, Sections 26.105 and 26.110 -

(1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan. the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement. (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into.Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Statement for loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification(s).

	NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME		
	JKM Consulting, INC	Project BEAR (EGID: 6757)		
	PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE			
	Janine K. Moses, President			
	SIGNATURE Mine H MOSES	DATE May 14,2010		
-		USCOMM DC 91-7114		

FORM CD-512 (REV 12-04)

U.S. DEPARTMENT OF COMMERCE

CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying."

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in conncection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying." in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
JKM Consulting, INC	Project BEAR (EGID: 6757)
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Janine K. Moses, President	
SIGNATURE MODELS	DATE Nay 14,2010

DISCLOSURE OF LOBBYING ACTIVITIES Approved by OMB				
	activities pursuant	0348-0046		
-	blic burden disclosu		0340-0040	
		3. Report Type:		
b. a. contract	다리 그리 아이에서 이곳을 많은 것을 얻는 것 같아요. 나라 가지 않는	ffer/application	a. a. initial fil	lina
b. grant	b. initial		b. materia	
c. cooperative agreement	c. post-	award	Market Charles and Charles and	Change Only:
d. loan				quarter
e. loan guarantee				st report
f. loan insurance				
4. Name and Address of Reporting	J Entity:	5. If Reporting En	tity in No. 4 is a S	ubawardee, Enter Name
× Prime Subawardee		and Address of	Prime:	
Tier,	if known:			
JKM Consulting, INC	1			
P.O. Box 3250				
Oxford, AL 36203				
Congressional District, if known	: 3	Congressional District, if known: 3		
6. Federal Department/Agency:		7. Federal Progra	m Name/Descripti	on:
		CFDA Number, i	f applicable: <u>11.55</u>	7
8. Federal Action Number, if known	· ·	9. Award Amount	if known ·	
		\$, n known.	
		+		
10. a. Name and Address of Lobbying Registrant		-		(including address if
(if individual, last name, first n	ame, MI):	different from No. 10a) (last name, first name, MI):		
			name, wii).	
N/A				
		1		!
	3		·	71 7
11. Information requested through this form is authorized	by title 31 U.S.C. section	Signature:	nue t.	NORS
1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made				
or entered into. This disclosure is required pursuan	t to 31 U.S.C. 1352. This		CIX. MIOSES	
information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and		Title: President		
not more than \$100,000 for each such failure.		Telephone No.: (2	56) 225-0600	Date:05/17/2010
Federal Use Only:				Authorized for Local Reproduction
				Standard Form LLL (Rev. 7-97)

BROADBAND TECHNOLOGY OPPORTUNITIES PROGRAM Federal Request and Match Verification

Name of Applicant Organization __JKM Consulting, INC. DUNS Number __17-655-3068 Easy Grants # of Submitted Application __6757

As an Authorized Organizational Represented of the entity listed above, I verify that

(i.) The amounts in the "Grant Request" column from the budget table submitted by the entity I represent in response to Question 44 on page 17 of the Broadband Infrastructure Application completely and accurately reflect the amount of the organization's Federal grant request to NTIA; and

(ii.) The amounts in the "Cash \$" and "In-kind \$" fields submitted by the entity I represent in response to Question 52 on page 19 of the Broadband Infrastructure Application completely and accurately reflect, respectively, the organization's cash and in-kind matching contributions for the proposed project.

Date 05/17/10 Signature of authorized person Print name of authorized person Janine K Moses Title or position _ President