



**Broadband Non-Infrastructure Application
Submission to NTIA – Public Computer Centers**

Submitted Date: 4/9/2010 2:26:17 PM	Easygrants ID: 6496
Funding Opportunity: Public Computer Centers	Applicant Organization: FLORIDA A & M UNIVERSITY
Task: Submit Application - Public Computer Centers	Applicant Name: Dr. Larry Robinson

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A. General Application Information

1. Applicant Information	
Name and Federal ID for Applicant	
DUNS Number	623751831
CCR # (CAGE)	1LZV5
Legal Business Name	FLORIDA A & M UNIVERSITY
Point of Contact (POC)	LARRY ROBINSON, PH.D 8505993531 Ext. sponsor@famu.edu
Alternate POC	BARBARA CLAYTON 8505993531 Ext. barbara.clayton@famu.edu
Electronic Business POC	LARRY ROBINSON 8505993531 Ext. sponsor@famu.edu
Alternate Electronic Business POC	BARBARA CLAYTON 8505612978 Ext. barbara.clayton@famu.edu

2. Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix	Dr.
First Name	Larry
Middle Name	
Last Name	Robinson



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Suffix	
Telephone Number	18505993531
Fax Number	
Email	sponsor@fam.u.edu
Title	VP for Research

3. Additional Contact Information of Person to be Contacted on Matters Involving this Application:

Project Role	Name	Phone	Email
Other Contact	Mr. Sterlin , Adams	8504127333	sterlin.adams@fam.u.edu
Secondary Point of Contact	Mr. Robert , Seniors	8505993560	robert.seniors@fam.u.edu
Secondary Point of Contact	Dr. Dawn H., Dennis	8504125207	dawn.holleydennis@fam.u.edu

4. Other Required Identification Numbers

Easygrants ID	6496
Funding Opportunity Number	500000
Catalog of Federal Domestic Assistance Number	BTOP CFDA Number: 11.557 BTOP CFDA Title: Broadband Technology Opportunities Program

5. Organization Classification

Type of Organization	State or State Agency
Is the organization a small business?	No
Does the organization meet the definition of a socially and	No



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economically disadvantaged small business concern?	
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6. Authorized Organizational Representative	
AOR	ROBINSON, LARRY
Result	Notify

7. Project Title and Project Description

Project Title: The FAMU Center for Public Computing and Workforce Development

Project Description: A uniquely sustainable university-based Public Computer Center that provides workforce development opportunities to build 21st century skills via industry certification(s). In addition, the Center will provide education, customized training, and virtual learning services for individuals, business entities, anchor institutions and other community stakeholders.

8. Other Applications

Is this application being submitted in coordination with any other application being submitted during this round of funding?

➤ Yes

Easygrants ID	Project Title
6191	FAMU-Tallahassee Digital Bridge Initiative
6985	MSU Access-Baltimore Initiative PCC
4662	Edward Waters College Public Computer Center (EWCPCCC)
4374	Albany State Broadband Resources to Improve Development , Growth, Education and Economy
5742	Albany State Bridge Connect
7107	Miles College Public Computing Centers (MC-PCC)
7056	Memphis Digital Bridge Initiative Affordable Wireless Broadband



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If YES, please explain any synergies and/or dependencies between this project and any other applications. This application has synergies with SBA and PCC applications from other Historically Black Colleges and Universities (HBCUs) who belong to the HBCU Broadband Coalition (HBCU-BBC) and have a similar project focus and strategy for realization of the purpose of the BTOP in their applications. These Universities applications include robust PCCs designed as resource centers for the smaller limited resource public computer centers LRPCC, offering training to the staff, providing resources for needs unmet by LRPCC. Joint development of HBCU-BBC PCC program to assist in the social and economic development of their similar communities as part of the HBCU-BBC Municipal Digital Bridge Initiative

There are no dependencies on the funding of the other applications that would prevent the implementation of the project planned in this application or the realization of goals set forth herein. There is, however much to be gained in effectiveness and efficiency toward realization of overall BTOP impact by funding all applications of the HBCU Broadband Coalition.

The MDBI, with HBCU-BBC stimulated strategies that include peer institution support, consists of: CCI Endeavors; 1.) Comprehensive community wireless broadband network affordable to all within its service areas. 2.) Very high bandwidth for HBCUs in the MDBI service Area for their Instruction, learning, research and public service programs. 3.) Middle mile broadband connections to community anchor institutions for the use of enterprise applications, and innovative SBA endeavors; 4.) K-12 education program quality enhancement via broadband technologies, 5.) Wireless broadband for all K-12 schools (and students at their homes), 6.) School academic enrichment programs, 7.) Discipline based professional networks for Teachers. 8.) Appropriately staffed Public computer centers with public computer/broadband literacy and skill programs. 9.) Enhanced Public safety programs, 10.) . Home health care delivery enhancements via virtual meeting technology and telemedicine applications 11.) Neighborhood development and neighborhood problem solution programs that include on-line services to promote economic and social changes. 12.) Work force training, 13.) Job Application services, 14.) Virtual job interviews, 15.) Innovative crime prevention programs (Family-criminal justice system interface, Youth at risk intervention, and Work Ethic rehabilitation.



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Synergies to be realized by funding all submissions submitted by the HBCU Broadband Coalition IHE's, expands the breadth and depth of educational offerings and the CCI, PCC and SBA endeavors above. Synergies include:

- CCI with affordable wireless broadband to empower non adopters any time any place
- Interconnected Public Computing Centers,
- Expanded workshop and degree program courses available online,
- Collaborated exchange of best practices and findings to speed time to deliver

9. Is the Applicant exempt from the Department of Commerce requirements regarding individual background screening in connection with any award resulting from this Application?

- Yes, Applicant is exempt because it is an accredited college or university

If the answer to the above question is "No," please identify each key individual associated with the Applicant who would be required to complete Form CD-346, "Applicant for Funding Assistance," in connection with any award resulting from this Application:

Name	Title	Employer

B. Executive Summary, Project Purpose and Benefits

Essay Question

10. Executive Summary of the proposed project:

The FAMU Center for Public Computing and Workforce Development
Executive Summary

The FAMU Center for Public Computing and Workforce Development (CPCWD) will address the broadband needs in the Northwestern region of Florida and beyond, which encompasses approximately 340,056 citizens and greater. Most jobs in this northwestern region include Public Administration, Education Services, Health Care and Social Assistance, followed by Agriculture, Forestry, Fishing and Hunting. Each profession requires broadband services, however broadband services in a number of these areas are minimal or non-existent.



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The FAMU Center for Public Computing and Workforce Development is designed to serve as a resource to other community based technology centers with the goal of increasing broadband services to citizens in the Tallahassee tri-county area. As a result, the FAMU CPCWD will assist those most impacted by the recession in addition to preserving and creating jobs by spurring technological advances that provide skill development and will promote economic opportunities through the use of broadband service adoption. The CPCWD will ensure lifelong sustainability in science, health and technology that will produce long term economic benefits to both public and business stakeholders within the community. This grant recognizes the growing importance of addressing the needs established by the current Federal government.

The proposed CPCWD project is in accordance with Florida A&M University's efforts to fill an important gap in the public accessibility to computing centers and broadband enabled resources. This gap includes the knowledge and skills needed to become computer and broadband literate. Additionally, the aspect of programs and expertise that rigorously demonstrates how broadband enabled applications can be engaged and utilized will be employed to ensure an elevation in skill levels, efficiency of services, and more effective outcomes for all entities and stakeholders served.

The uniqueness of the project is evident in its offering of "Train the Trainer" workshops. The process includes (1) involving a small business development agency and subject-matter experts in creating the training content (2) identifying potential trainers (3) equipping the trainers with the tools they need (training materials, program templates, etc.) (4) equipping the trainers with the skills they need (facilitation and presentation skills) and paying close attention to trainer evaluation and evaluation of the training program as a whole.

The areas to be served are:

Tallahassee, Florida (Target Area)

Gadsden County (Surrounding Area)

(Jefferson County Surrounding Area)

The population of Leon County in the 4th Quarter 2008 was 274,892. The largest major industry sector was Public Administration (with 22 percent of the employment), followed by Education Services (with 12 percent), and Health Care and Social Assistance (with 11 percent). The populations of surrounding areas include: Gadsden County 45,087 and Jefferson County 14,547. The applicant is a fully accredited University that has a significant information technology and human resource infrastructure. Additionally, the University is systems enabled for education, research and public service and community outreach programs. The University has a very high bandwidth and as a Charter member of Internet2, has over 50 computer laboratories in various colleges and departments.



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The Principal and Co-Principle Investigators have extensive knowledge in information technologies as well as workforce development and community outreach programs (see attached vitas).

Eleven jobs will be initially created through the Center including opportunities for FAMU student employment in various positions such as Computer Center Manager, Instructional Trainers, Digital Video/Media specialist, Lab Assistants, and Help Desk and Troubleshooting Technicians.

The FAMU (CPCWD) site will be 1814 square feet of renovated space on the street/ground level in the M.S. Thomas Building on the campus of FAMU. This Building is on a main thorough fare of Tallahassee and is highly accessible to the public from the street via three entrances directly into the center from outside the building. Although there is a major parking garage close by (within 500 ft. of the building) a parking area is planned and is to be restricted for PCC clients/users. The renovation and construction costs and all other costs to implement the CPCWD program is \$1,846,640.

11. Project purpose:

The purpose of the proposed Center is to provide broadband education awareness, training, access, equipment, and support to the public in and surrounding Leon County Florida. Additionally community stakeholders such as schools, libraries, medical and healthcare providers, community colleges, institutions of higher education, and businesses organizations will be served.

The proposed program could be replicated by organizations that provide outreach, access, equipment and support services to facilitate greater use of broadband service by low- income, unemployed, aged, and otherwise vulnerable populations.

The FAMU Center for Public Computing and Workforce Development will be housed in the M.S. Thomas building on FAMU's campus. The sustainability of this project will be attained at three levels including:

The program will be sustained based on the need as evident by the Florida Career and Professional Act of 2007 which require a statewide partnership between business and education communities to expand and retain high-value industry, and sustain a vibrant state economy. This Act is the catalyst for the need for technology education and broadband services as a means to increase training for jobs and enhance economic development;

Programs will be sustained due to designated locale and provide 1,814 sq. ft. of useable space to house computers, servers, video-conferencing capabilities, interactive white boards, and equipment.;



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Project will be sustained based on the cost charged for certifications obtained in training programs; and

Program will be sustained by the quality of service and resources provided to business/industry and hiring of graduate assistants (via assistantship dollars).

Statistical Data: The average weekly wage for Leon County in 4th Quarter 2008 was \$784. This would be equivalent to \$19.60 per hour or \$40,768 per year, assuming a 40-hour week worked the year around.

The total number of employees located in Leon County in 4th Quarter 2008 was 142,577. The largest major industry sector was Public Administration (with 22 percent of the employment), followed by Education Services (with 12 percent), and Health Care and Social Assistance (with 11 percent).

The largest major occupational group was Office and Administrative Support Occupations (with 17 percent of the estimated employment), followed by Business and Financial Operations Occupations (with 13 percent), and Sales and Related Occupations (with 10 percent).

12. Recovery Act and Other Governmental Collaboration:

- FAMU Center for Public Computing and Workforce Development is collaborating with the LeRoy Collins Leon County Public Library system (program of county government).

13. Technology Strategy:

The FAMU Center for Public Computing and Workforce Development (CPCWD) will be housed in an existing building on the campus of the university that is highly accessible to the public. The WAN/LAN build-out is accomplished by installation of a fiber optic backbone link from the campus NOC to the main network closet of the CPCWD. The backbone run will consist of six strands of conduit-enclosed optical fiber (single mode loose tube) that terminates in the core routers at the FAMU NOC and in redundant routers in the closet of the (CPCWD).

The technology design of the CPCWD is based upon our adoption of the blending of basic competency learning, testing, innovative teaching methods, and, assessment as the instructional methodology. Additionally, the center leverages the FAMU teaching faculty, the FAMU-EIT divisions computer network, the FAMU Facilities Planning and Design expertise, and, the FAMU high speed WAN to implement The PCC with benefit to the public as content, instruction, interaction & assessment is delivered via computer, video teleconferencing and traditional methods, all designed to engage the public in the pursuit of their training.

Design Considerations.



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At the heart of the design is a state of the art switching and distribution system manufactured by Crestron to handle a wide variety of analog and HD content. The Digital Media System supports signal switching to/from the Polycom VTC system, presentation displays (2 projectors – near, far end camera), the Sonic Foundry MediaSite capture system, and a breakthrough annotation system comprised of the DVPHD and the next generation touch panel: The V-Series from Crestron. The annotation system provides simultaneous annotation remotely at all sites. Leveraging either VTC or streaming capture, any content can be annotated for electronic display at any site equally.

Network Infrastructure

Connectivity to the Internet will be provided through Florida A&M University's campus network. The PCC will be connected via a redundant fiber optic backbone to the Florida A&M core that will provide gigabit access to the Florida Lambda Rail Research Network, National Lambda Rail, and Internet 2. In addition to the 200 mbs of available commodity internet, the site will have direct access to several major content providers such as akamai and google through FAMU's peering relationships.

Internal connectivity within the building will be provided via CAT 6 copper cable connected to an internal redundant fiber optic building backbone providing 1 GB of internal bandwidth. Sufficient wireless access points will be deployed to provide end-to-end secure wireless coverage throughout the facility. Server resources for the PCC will be housed in the FAMU data center and have gigabit connectivity to the campus network.

Computing Lab

The Computer Lab is designed to be the focal point of the Center. The lab will contain 30 high-end HP workstation PC's with 19" monitors. Each machine will contain at least 3GB RAM, 2.0 GHz processor and a 160MB hard drive with DVD+_RW capability. Each machine will be preloaded with a wide assortment of commercial software from Microsoft and Adobe to Education Software such as GED, GRE, and ESOL.

Computer Training Labs

This lab is designed to accommodate synchronous learning while accommodating asynchronous remote learning and interaction. This will be accomplished via an internal Video Teleconferencing (Telepresence), Collaborative Computing, and web based courseware. The Lab will serve multiple purposes such as Video Conference, SMART Classroom Instruction, Distance Learning, Training/Professional Development, Presentations, Video Streaming (Webcasting, Podcasting). Technology includes:
SMART Technology



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Computer Labs will consist of a basic suite of SMART Classroom related technology such as SMART Interactive Whiteboards, Document Cameras, Overhead Projectors, Linked Thin Clients workstations, and Interactive Slates.

Lecture Capture

We are proposing a 3-Tier approach. Tier 1-Remote Studio: Multimedia laptop w/integrated camera & microphone, anytime/anywhere capture Software: Camtasia Relay or Adobe Connect; Tier 2: Full Video Conferencing Room (Computer, Smart Board, Projector, Polycom HDX Video Conference System, Polycom Audio System, Sonic Foundry MediaSite RL Recorder, Integrated start/stop/pause control via Crestron MediaManager Interface; Tier 3: Portable Studio Permanent Computer, Smart Board, Projector, with portable recording solution for Audio/Video capture Sonic Foundry MediaSite ML Portable Recorder, Portable Video Conferencing, Camera Solution Polycom VSX 300 Desktop Video Camera.

Integration of Crestron's MediaManager and Sonic Foundry's MediaSite will allow instructors/presenters to use prepared or self-designed class materials in an ad hoc manner using a laptop, Tablet PC, other computing device. Content is captured via two streams, the instructor's audio and video and any lecture content such as PowerPoint, Smart Board or a Document Camera. The instructor can also import content created using Camtasia Relay or Adobe Connect such as PowerPoint slides and recorded video content that are prepared ahead of time. They are combined into a single integrated file for storage and distribution on the MediaSite server. Crestron's Media Manager offers a completely integrated solution to facilitate the recording of content as well as centralized local/remote control and reporting on all connected devices via the network.

14. Public Availability:

The CPCWD is available to all members of the general public. There are no memberships dues affixed for the public.

The days and hours of operation are noted below:

DAYS HOURS

M 7:00 a.m.-10:00 p.m.

T 7:00 a.m.-10:00 p.m.

W 7:00 a.m.-10:00 p.m.

T 7:00 a.m.-10:00 p.m.

F 7:00 a.m.-10:00 p.m.

S 7:00 a.m.-10:00 p.m.

S 7:00 a.m.-10:00 p.m.



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15. Restrictions on Center Use:

The FAMU Center for Public Computing and Workforce Development is open to the public on a first come first serve basis during opening hours. See below:

DAYS HOURS

M 7:00 a.m.-10:00 p.m.

T 7:00 a.m.-10:00 p.m.

W 7:00 a.m.-10:00 p.m.

T 7:00 a.m.-10:00 p.m.

F 7:00 a.m.-10:00 p.m.

S 7:00 a.m.-10:00 p.m.

S 7:00 a.m.-10:00 p.m.

However, the facility can be programmed for group public activities that coincide with the goals of the Center. In such cases the advanced announcement of unavailability for access will be made on the Center premises and the website. Cases where all of the facilities of the Center are unavailable for a period of more than two hours is anticipated to be rare.

16. Involvement of Community College:

- Instructors from the local community college (Tallahassee Community College) will be involved in the instruction and training activities within the FAMU Public Computing and Workforce Development Center via face-to-face and virtual linkage.

17. Is the applicant seeking a waiver of the Buy American provision pursuant to section x.Q of the NOFA?

- No

18. Is the applicant delinquent on any federal debt?

- No
- If Yes, justification for delinquency:

19. Are you seeking a waiver of any requirement set forth in the NOFA that is not mandated by statute or applicable law?

- No



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C. Partners

20. Are you partnering with any other key institutions, organizations, or other entities for this project?

- Yes

If YES, key partners are listed below:

<p>Project Role: Contractor Name: Simmons, Gary Email: cabling@datasetready.com Address 1: 5714 Tower Road, Suite 5 Address 2: P.O. Box 15005 Address 3: City: Tallahassee State: Florida Zip Code: 32303 Organization: Data. Set. Ready. (DSR) Organization Type: For-profit Entity Small business: Yes Socially and economically disadvantaged small business concern: Yes</p>
<p>Project Role: Contractor Name: Donald, Jennifer Email: info@mdcgconsulting.com Address 1: 2038 Lambert Lane, Suite B Address 2: Address 3: City: Tallahassee State: Florida Zip Code: 32317 Organization: Metropolitan Design & Consulting Group, Inc. (MDCG) Organization Type: For-profit Entity Small business: Yes Socially and economically disadvantaged small business concern: Yes</p>
<p>Project Role: Contractor Name: Nash, Johnny Email: info@carneysolutions.com Address 1: 1938 Setting Sun Trail Address 2: 2043 Setting Sun Trail Address 3: City: Tallahassee State: Florida</p>



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Zip Code: 32303-2635 Organization: Carney Solutions, Inc. (CSI) Organization Type: For-profit Entity Small business: Yes Socially and economically disadvantaged small business concern: Yes
Project Role: Other Name: Moeller, Helen Email: moellerh@leoncountyfl.gov Address 1: 200 West Park Avenue Address 2: Address 3: City: Tallahassee State: Florida Zip Code: 32301 Organization: LeRoy Collins Leon County Public Library Organization Type: County Government Small business: No Socially and economically disadvantaged small business concern: No

21. Description of the involvement of the partners listed above in the project.

Data. Set. Ready. (DSR)

Will donate services pertaining to design and instillation of infrastructure, cabling and wiring, of communication closets for the FAMU PCC and new sites at the new organizations as they join the network of centers using the FAMU PCC support services

Metropolitan Design & Consulting Group, Inc.

Will donate services for training program development and identification of experts for educational presentations.

Carney Solutions, Inc. (CSI)

Will provide design instillations consultation services for development of advance cutting edge technology driven teaching and learning systems.



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Leon County Public Library System

1. Will use their public computing centers as sites where workforce development training and other educational programs produce and/are presented in the FAMU training programs. As sites from which access to these productions or presentation by live interactive video or video on demand online.

2. Also will use the FAMU “Train the Trainer” program as a source for further education of trainers in their computer centers programs.

3. When possible, share educational training modules or presentations with FAMU to be used in its online video reservoir for access by broadband users with the FAMU PCC and new partner sites.

D. Congressional Districts

22. Applicant Headquarters

- Florida

23. Project Service States

Florida

24. Project Service Areas

Florida - 2

25. Will any portion of your proposed project serve federally recognized tribal entities?

- No

26. Indicate each federally recognized tribal entity your proposed project will serve.



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27. Have you consulted with each of the federally recognized tribal entities identified above?

- No

E. Demographics

Demographics

28. Will your proposed project be specifically directed to serve vulnerable population groups?

- Yes

If "Yes" which vulnerable population groups will your proposed project serve? Check as many as apply:

Hispanic

Black/African-American

Asian

Native American or Native Alaskan

Disabled

Low Income

Unemployed

Senior Citizen (55 and over)

Youth

Other:

29. Vulnerable Populations



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The applicant is a fully accredited University that has a significant information technology and human resource infrastructure. Additionally, the University is systems enabled for education, research and public service and community outreach programs. The University has a very high bandwidth and as a Charter member of Internet2, has over 50 computer laboratories in various colleges and departments.

30. Accessibility

The Center will be conveniently accessible several ways. The Center is located at the ground level and entry requires no stairway. The Center is also located on a main thoroughfare and very accessible to the public from street. There is a parking lot in front of the mail doors to the building that houses the Center. There are handicapped parking spaces at the front entryway. Entry through the front provides one access to a door that opens into the Center. The Center will have two doors accessible off a walkway from the front parking lot and a rear parking lot dedicated the use of those who visit the Center. There will be ample parking, however in case of overflow there is a parking garage on the same side of the street as the Center and directly behind the building less than 500 yards away. Access to this garage is very convenient and access to the Center from the garage is also convenient. There is a very low incline ramp for use of wheelchair visitors. (The incline allows one not to have to take a curb side step up.

31. Other Languages

- The University's College of Education offer English as a Second Language course opportunities for individuals interested in college credit.

Outreach

32. Public Computing Centers Outreach

Outreach Mobilizing Local Business

The proposed strategy with regard to mobilizing with local business is to partner with several established businesses and other BTOP funded agencies. As the project grows, other businesses will be added in an effort to provide training opportunities for their employees to assist in the sustainability of the Center. Further, several businesses such as local Newspapers and Television and Radio stations will be solicited for advertisement regarding the center.



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World Wide Web Site

The FAMU Center for Public Computing and Workforce Development will have a website for any community stakeholder to visit that will provide information about the center, operation hours, a calendar of events; i.e., upcoming workshops, certification schedules, endorsement schedules, etc. The website will also provide links to partnering businesses and with other BTOP funded agencies. The website will be designed by the Florida A&M University Enterprise Information Technology staff and housed and updated through the university.

University Marketing Office

The University Marketing office has a well established connection to the community of Tallahassee as well as the FAMU community. The University has its own television channel available in Leon County and surrounding areas. This medium will be utilized to inform the community of the center and where more information (Website) can be obtained. Additionally, flyers and brochures will be distributed throughout Leon County in government office building, businesses and on the FAMU campus.

33. How many total users do you expect to generate through the use of BTOP funds at your public computer center(s)?

➤ 274892

Training and Education

34. Peripherals and equipment

COMPUTER LABS (Public Use)

HP xw4600 Workstation

HP L1908w Wide LCD Monitor

APC Back-UPS ES 550 – “Green” 550VA UPS

HP PC Security Lock Kit

HP Color LaserJet 9500hdn Printer

Network Accessible

HP Color LaserJet CM4730

Network Accessible

HP Scanner



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CD Rom Read and Write (Internal)
Internal DVD Drive
Headphones
77" SMART Board w/Unifi 55 Projector
Microphones
Webcam

35. Workstation software

Microsoft Office 2007-2010 Enterprise
Microsoft Visio 2007-2010
Microsoft Project 2007-2010
Adobe Creative Suite 4
Cisco WebEx Meeting Center
Camtasia Studio (Enterprise)
Speech Recognition Software
Autodesk Inventor
SAT Test Preparation Software This comprehensive test prep software presents an academically sound analysis of the SAT. Features: Mentor Mode: In Mentor Mode, you are immediately told whether you answered...
ETS.org GRE Test Prep Materials

36. Training and education programs

The Florida Career and Professional Education Act was created to provide a statewide planning partnership between business and education communities, to expand and retain high-value industry, and sustain a vibrant state economy. This Act is the catalyst for the need for business and technology education and broadband services as a means to increase training for jobs and enhance economic development.

Broadband Education Course
Outcome: Technological awareness and twenty-first century skillsets.

Internet Safety Course for parents and children
Outcome: Safety for users of the internet. In conjunction with Leon County Public Libraries



**Broadband Non-Infrastructure Application
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Cisco Certified Entry Network Technician (CCENT)

Course Description: This is a five-day course will help the student better understand the skills required for entry-level network support positions. It provides a Cisco-specific network perspective so that the student is able to understand and prepare for the Cisco ICND1 640-822 exam as well as the ICND2 640-816 and CCNA 640-802 exams. **Topics Covered:** History of Networking; Define Internetworking; Internetworking Terms; Internetworking Devices; Security Threats; OSI Reference Model; Ethernet Networking.

Outcome: Cisco Systems, Inc. Industry Certification.

Cisco Certified Network Associate (CCNA)

Course Description: The 640-802 Cisco Certified Network Associate (CCNA) is the composite exam associated with the Cisco Certified Network Associate certification. Candidates can prepare for this exam by taking the Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0 and the Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0 courses. This exam tests a candidate's knowledge and skills required to install, operate, and troubleshoot a small to medium size enterprise branch network. **Topics Covered:** connecting to a WAN; implementing network security; network types; network media; routing and switching fundamentals; the TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; extending switched networks with VLANs; determining IP routes; managing IP traffic with access lists; establishing point-to-point connections; and establishing Frame Relay connections.

Outcome: Cisco Systems, Inc. Industry Certification

Microsoft Office Master

Course Description: The Office Specialist program provides computer program literacy, measures proficiency, and identifies opportunities for skills enhancement. Successful candidates receive an Office Specialist certificate that sets them apart from their peers in the competitive job market. The certificate is a valuable credential recognized worldwide as proof that an individual has the desktop computing skills needed to work more productively and efficiently.

Topics Covered: Windows Vista for the Business Worker; Microsoft Office Word 2007; Microsoft Office Excel 2007; Microsoft Office PowerPoint 2007; Microsoft Office Outlook 2007; Microsoft Office Access 2007.

Outcome: Microsoft Corporation Industry Certification



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Adobe Certified Associate (Dreamweaver)

Adobe Certified Associate (Flash)

Adobe Certified Associate (Photoshop)

Course Description: For those seeking employment that requires demonstrating the ability to use digital media needed to plan, design, build, and maintain effective communications, Adobe Certified Associate is a certification program that validates the skills of job seekers. Topics Covered: Website Design; Interactive Media and Animation; Digital Photo Manipulation.

Outcome: Adobe Systems Industry Certification

Autodesk Inventor Certified User

Autodesk Inventor Certified Associate

Autodesk Inventor Certified Professional

Course Descriptions: Autodesk Inventor® users can gain a competitive edge in their industries with Autodesk Inventor Certification. Through certification students can demonstrate their knowledge and skills to prospective employers and advance their career opportunities. Program highlights include an Application Proficiency examination, certification preparation guides, and the Certification exams. Topics Covered: engineering drawing skills including orthographic, projection and basic descriptive geometry, axonometric drawings, and developments.

Outcome: Autodesk Industry Certification

GED Course

Outcome: Computer and Financial Literacy Course (16 weeks)

Outcome: Techniques that engage groups and stimulate interaction and involvement

The Green Technologies Endorsement

EIA 3043 Issues in Appropriate Technology

EIA 3237 Transportation Systems

EIA 3260 Construction Practices

EIA 3269 Bio-Related Technologies

EIA 3275 Energy and Power Technologies

Outcome: TOTAL 12-16 HOURS Green technology endorsement



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Health Care Informative Workshops

Outcome: Public awareness of current health care issues and concerns

Broadband Awareness Advertisements, Posters and Awareness campaigns

SAT Prep Course

Outcome: SAT test preparation

Train the Trainer Workshop

37. If you are providing educational or training programs, how many people in total will these programs reach on an annual basis?

➤ 14560

38. How many hours of training will be provided to each participant?

➤ 6

39. How many Full Time Employee (FTE) instructors or facilitators will you employ for these courses?

➤ 7

F. Project Budget

40. Project Budget	
Federal Grant Request	\$1,477,722
Total Match Amount	\$368,918
Total Budget	\$1,846,640
Match Percent	20.0%

41. Projects Outside Recommended Funding Range:



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- The total project budget is not above or below the project size range recommended in the NOFA (\$500,000-\$15 million).

42. Sustainability:

Through revenue generated by certification and endorsement courses, the Center will be able to sustain itself. A projected certification course (i.e., Adobe Dreamweaver Certification) would be priced at \$1300.00 per student. Example: A projection of 28 students registered for the course would generate \$36,400.00. We plan to offer at a minimum ten certification courses per year. If we implement courses that meet the registration goal by only 50% \$182,000 will be generated. Course fee dollars may be provided to employees through opportunities by businesses for their employers. The expenses for operating this center are anticipated to be minimized due to the University setting which eliminates lease, rental, utility and maintenance costs. The major expense in operating will be personnel costs.

Although this may be a considerable amount for many, particularly individuals who have been laid-off, or without sufficient funding; however, grant opportunities through the State and University will be made available.

Additionally, the center will charge for paper used by its patrons. Further Florida A&M University will provide (through graduate assistantships) staffing resources.

43. Matching Funds	
Applicant is providing matching funds of at least 20% towards the total eligible project costs?	Yes
Describe the matching contributions	The following matching fund breakdown is comprised of matching funds in the total amount of \$368,917.82. The match is both cash and in-kind. The cash match is \$122,563.82 internal from the applicant. It is 6.7% of the total budget. The in-kind match is internal (\$246,354). The internal match is in travel and other represents 13.3% of the total budget.
Unjust enrichment	We are not receiving or have applied for any federal support for non-recurring costs in which we are seeking an award.
Disclosure of federal	There are no federal or state funding sources other than that of the



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and/or state funding sources	applicant. We are a state agency.
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44. Budget Narrative	
Budget narrative	<p>Construction and renovation \$299,540: Incl architectural & engineering fees (\$60,000); project inspection fees (\$10,000); site work incl parking (\$15,000); demolition of interior walls, exterior walls for new entrance & old parking surface (\$15,000); remodel 1,814 sq. ft. internal space & expanded parking @ \$110 per sq. ft. of internal space (\$199,540) --- WAN/LAN build cost \$91,533.60 Cost incl: installation of backbone segment to connect the PCC-MDF (\$17,298.60); Internal Data Cabling & wiring (\$38,827); Communications equip., (switches, routers) (\$29,528); Private wireless network installation w/ security (mobile computing (\$5,880); Segments (redundancy in a combination of 6-strand optical fiber (62.5/125 mm) loose tube & 6-strand optical fiber single mode loose tube requires conduit bore & trenching- 150 ft, two hand holes; Furniture: \$32,610. Desks (60)(\$10,770); two multi-media podiums (\$3,180); 60 basic task chairs (\$8,340); 60 universal monitor mounts (\$4,620) & 60 CPU bolder (\$2,340); Cable mgt. kits, freights & installation costs (\$3,360).---Polycom video conference systems (2) w/ monitors, cameras, microphone arrays & sound processors (\$46,433.49): \$98,866.98.----Broadband computing equipment (two computer rooms): \$67,936.67. Incls: 65 HP xw4600 workstation @ \$515 ea; 65 HP L19008 Wide LCD Monitor @ \$142 ea; 05 HP 1.44 MB USB External Floppy Drive @ \$34.95 ea; 60 APC Back UPS 550 “Green” 550VA @ \$55.99 ea; 60 HP security lock kits @ \$39.99;--1st Lab - HP Color laser jet 9500 printer \$7,295; 2nd Lab - HP Colorlaser jet CM4730 @ \$6,000.---77” SmartBoard w/ Unifi 55 projectors (\$3,299) cable kit @ (\$249); Go wire SmartBoard onto launch cable (\$149); wireless Bluetooth connection for SmartBoard 600 series (\$199); Smart sync classroom computer control software lab license (\$770);Compact digital presenter (\$624); uninterruptable power supply (\$967.84) pro digital audio systems, flip loop power center & other items. Cost per system \$9,798.73: two of ea total \$19,597.46. ---Creston Distribution system/ Sonic Foundry Media site platform cost</p>



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	<p>\$86,319; Installation/ training for Sonic Foundry Media site platforms: \$80,714.94. Installation, programming, consulting, & project mgt.\$72,800.---Microsoft Office 2007 enterprise (\$8,000); Microsoft Visio 2007 (\$6,000); Microsoft Project 2007 (\$7000); Thirty Adobe Creative Suite (\$29,970); CiscoWebEx meeting center (\$1,416); Camtasia Studio Enterprise (\$4,995); Autodesk Inventor(\$2990) Software /certification courses (\$59,609) Software Total: \$100,000.--- Personnel: PCC Manager (\$27,321) per year; two part-time Lab Assists \$10,075 ea, total per year (\$20,150); one full-time Lab Tech (\$21,803); two part-time Help Desk Assist @ \$11,000 ea (\$22,000), total per year; Training Consultant (\$27,321); two Trainers @\$41,821 ea (\$83,642); Digital Video Director (\$20,149); Office Assist (\$19,788). Personnel for two year period \$415,595. Fringe: \$102,915--Total two year funding plus bandwidth \$1,846,640.</p>
Budget reasonableness	<p>In the planning for this Public Computing and Workforce Development Center, we have taken into account purpose, goals, selected articles, number of persons to be served, the scheduling of training and other events and demand. We have planned to have two activity spaces. Both are equipped to meet the needs of each activity type. They are adjoining spaces separated by a partition to enable the scheduling of large virtual meetings or the administration of tests for certification that have spacing requirements or high demand. Each space is only equipped with the number of workstations required for instruction and training groups (25 - 30). Equipment has been selected for its features and functionality pertaining to project activities.</p> <p>Florida A&M University is responsible for determining the reasonableness of costs and if any questionable expenditures and activities are identified, appropriate action is initiated to resolve the issues. This generally is accomplished with the assistance of, and reviews by, the Office of Sponsored Reserch including, Vice President for Information Technology, Chief Information Officer, the Chief Financial Officer and legal counsel.</p>
Demonstration of need	The current recession experienced by the United States has trickled



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down to the State and local levels particularly in areas of education. Florida Agricultural and Mechanical University was affected by this construct with regard to fiscal cuts of over 16 million dollars to University Faculty, Staff and services. This project is a joint effort through the Department of Enterprise Information Technology and the College of Education. The EIT budget was cut by approximately 21% in 2008-09 fiscal year. The lack of revenue resulting from these cuts requires federal grant assistance in accordance with the economic stimulus funds made available through government agencies that provide funding for projects such as this.

Due to economic hardships occurring nationwide, state universities are also affected. Nearly \$300 million has been cut from the operational budgets of the 11 institutions in the State University System, according to data from the Board of Governors * and impacted normal development of projects being mounted and implemented. Hence, budget reductions have severely limited the opportunity to establish services such as is being afforded by this grant opportunity.

Source: *http://www.flbog.org/pressroom/newsclips_detail.php?id=5020
During the 2008-2009 academic year Florida A&M University's budget reduced from approximately \$175 million dollar in 2008-2009 to \$160 million dollars in 2009-2010.

45. Funds to States/Territories

States	Amount of Federal Grant Request
Florida	1,477,722

Funds to States/Territories Total: \$1,477,722

G. Historical Financials

46. Matching Funds			
	2007	2008	2009



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Revenue	280,548,980	330,601,688	280,991,281
Expenditures	267,848,349	272,769,168	278,192,702
Net Assets	409,829,024	471,936,126	7,792,464
Change in Net Assets from Prior Year	20,877,435	62,107,102	479,728,589
Bond Rating (if applicable)	NA	NA	NA

H. Public Computer Center Summary

47. Jobs	
How many direct jobs-years will be created from this project?	18
How many indirect jobs will be created from this project?	9
How many jobs will be induced from this project?	5

48. Methodology used to estimate jobs:

We utilized the methodology suggested by the Council of Economic Advisors.

49. Proposed # of Public Computer Centers	
Schools (k-12)	0
Libraries	0
Medical and Healthcare Providers	0
Public Safety Entities	0
Community Colleges	0
Public Housing	0
Other Institutions of Higher Education	1
Other Community Support Organization	0



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Other Government Facilities	0
------------------------------------	---

Total Proposed Public Computer Centers 1

Current Total Persons in Service Area 274892

50. Minority Serving Institutions	
Historically Black Colleges and Universities	1
Tribal Colleges and Universities	0
Alaska Native Serving Institutions	0
Hispanic Serving Institutions	0
Native Hawaiian Serving Institutions	0
TOTAL MINORITY SERVING INSTITUTIONS	1

51. Weekly Usage Summary	
Total Current # of Persons Served per 120-hour Business Week	0
Total Proposed # of Persons Served per 120-hour Business Week	2000
Total Current # of Persons Served per 48-hour Weekend	0
Total Proposed # of Persons	800



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Served per 48-hour Weekend	
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52. Broadband Workstation Summary	
Number of Current Workstations proposed to be upgraded	0
Total Current # of Broadband Workstations	0
Total Proposed # of Broadband Workstations	65
Average Current Facility Broadband Connection Speed	0.00 Mbps
Average Proposed Facility Broadband Connection Speed	1,000.00 Mbps

I. Project Readiness

53. Licenses and Regulatory Approvals

Construction Permit

54. Organizational Readiness

Florida A&M University (FAMU) has a substantial record of excellence in the initiation of development and implementation educational and training programs. This program is consistent with a computer laboratory teaching environment as a primary implementation tool. Many notable projects have been developed, implemented, and are completed. The following are examples of successful projects using federal funds.

The University was awarded a grant from the National Science Foundation (Award #SC19602317) in the amount of \$277,645.00 for renovation and construction cost associated with the development of an infrastructure to conduct research in an educational setting that housed a computer and information system. It involved the installation of a computer laboratory for students to conduct a research program.



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The University was awarded a grant from the National Science Foundation (Award #CDA-9313299) for software engineering research and for the development of a software engineering research education lab.

The University has received funds from the Sears Robuck Company to implement a 36 workstation lab and conduct a certification program to prepare Florida A&M students for accesses to employment in its management information system in business administration environments.

The University has received and completed a multi-million dollar grant for the construction of a science research facility which contains numerous multi-workstation labs. These open access computing labs to are for Florida A&M students enrolled in programs in pharmaceutical science, biology, chemistry and physics. The program was finished in a timely manner remains sustained.

55. Project Timeline and Challenges

Quarter 1:

Funding Awarded

- Remodeling – 60- 90 days from funding date.
- Purchasing of Equipment – 30 days from funding date.
- Installation of Equipment – 60-90 days from funding date.
- Development of training manual for staff
- Remodeling and equipment in place by the end of the first quarter

Challenges: If renovation is more than the proposed time provided by the contractor, the rest of the timeline will be affected.

Quarter 2:

- Hiring of Staff- 10 – 30 days
- Training of Staff – 7 -14 days
- Course development - ongoing after funding is awarded
- Development of staff schedules
- Development of Center policies and procedures manual
- Marketing to the public
- Development of certification criteria and schedules
- Computing Center open to the public by the end of the second quarter

Challenges: Marketing and the development of schedules will be dependent on how fast credentialed staff can be hired. Additionally, the Virtual Lab that will offer certifications, endorsements, etc., will not be available to the public until a schedule of course can be developed. The estimated time of this construction is 90- 120 day from initial grant funding.



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Additionally simultaneous marketing will commence when the renovation of the building is complete and equipment is being installed; however, solicitation of media outlets will take place when funding has been awarded.

Quarter 3:

- Establish criteria that will allow FAMU University graduate students to be hired to work in the Center as lab technicians, help desk representatives, etc.
- Establish set schedules of certification courses and related criteria such as price of taking a certification course.

Challenges: Solicitation of businesses that may want to use the Center for training of employees must be and ongoing process. In addition, the success of the Center must be advertised through local media.

Quarter 4:

- Make transition from grant funded staff to University Graduate students funded by the University.
- Commence Certification and endorsement courses.

Quarters 5-8:

- Continue to improve services through collaboration with other BTOP funded entities.
- Establish measurable outcomes of those using the Center.
- Collect data from all stakeholders for continuous improvement to the public and business entities that utilize the Center.

56. SPIN Number

J. Environmental Questionnaire

57. Does this PCC application have construction or ground disturbing activities?

Yes

If no, please answer the questions below. If yes, please do not answer the questions below and instead proceed to the next page to answer the expanded environmental questionnaire.



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58. Does the proposed action involve the procurement of materials? If so, will the materials be installed, stored or operated in an existing building or structure? If yes, please click "Add" to include the list of equipment and peripherals to be procured.

Yes

Computers/printers
Servers
Switches/routers
Smartboards
Copiers
Video conference equipment
Content design equipment

59. Does the proposed action involve procurement of electronic equipment? If yes, will the equipment be disposed of in an environmentally sound manner at the end of its useful life?

Yes

60. Does the proposed action involve construction, remodeling, or renovation? If so, will these activities be limited to only minor interior renovations to a structure, facility, or installation? If yes, click "Add" to include a description of the proposed renovations with your project summary.

Yes

Construction includes: architectural & engineering fees; project inspection fees; site work including parking; demolition of interior walls, exterior walls for new entrance & old parking surface; remodel of 1,814 sq. ft. internal space and expanded parking @ \$110 per sq. ft. of internal space.

61. Does the proposed action involve the production and/or distribution of informational materials, brochures, or newsletter?

Yes

62. Does the proposed action involve training, teaching, or meeting facilitation at an existing facility or structure? If yes, click "Add" to explain.

Yes



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Equipment and construction planned for the two computer rooms is essential to broad based computing activities. The center will share its teaching and learning sessions with remote training sites via training/learning in “smart classroom systems” with virtual meeting systems in two computer rooms

63. Does the proposed action involve ground or surface disturbance to accommodate new fiber optic cable? If yes, please click "Add" to include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required.

Yes

Backbone link from PCC to Campus NOC
Bore beneath walkways and trenching 275 ft.
Install hand hole of 2feet x 3ft x 18 in
1500 linear feet of of 6-strand optical fiber single mode loose tube

64. Does the proposed action involve an upgrade of broadband service to an existing facility or structure? If yes, please include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required?

Yes

The service involves the installation of new broadband service to an existing facility with no current service to meet demand projected for PCC and campus standard for network of building facilities.

K. Environmental Questionnaire – Part 2

65. Project Description

The FAMU Public Computer Center project entails the construction and renovation of an existing university faculty to create and equip the computer center. The center will be housed in the M. S. Thomas Building a 7,717 sq. ft. facility that was renovated in 1992. The center will occupy 1,814 sq. ft. which is 24 percent of the building interior space. The project consists of operation of programs seven days a week for 15 hours each day.

The University Department of Facilities Planning identifies the Cost associated with construction to be \$299,540. Activity associated with the construction include: 1) architectural and engineering fees (\$60,000); 2) project inspection fees (\$10,000); 3) site work including parking (\$15,000); 4) demolition of interior walls, exterior walls for new entrance and old parking



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surface (\$15,000) and; 5) remodel of 1,814 sq. ft. internal space and expanded parking at \$110 per sq. ft. of internal space (\$199,540).

The networking solutions department within the Enterprise Information Technology (EIT) division of the University has planned and designed the WAN/LAN build out for the project and estimates total cost of \$91,533.60 for this purpose.

66. Property Changes

No property is to be cleared or excavated, or fenced. Installation of fiber optic backbone is planned and installation of additional paved surface for parking is only other disturbed property of project. Current land use is University campus zoned for University construction. Project is located on public land not owned or managed by the federal government.

67. Buildings

One building is to be modified. It is the M.S. Thomas Building on the Campus of Florida A&M University. Two thousand (2,000) square feet on the ground floor of the facility will undergo modifications. The modifications involve the moving of walls and creation of new entry ways for internal navigation and for access and egress to and from the PCC. The modification will result in 1,814 square feet of space dedicated to the PCC with two large combination computer laboratories/smart classrooms. Remodeling for restrooms, wiring closet and office space with electrical upgrades for all areas is part of the project.

68. Wetlands

No wetlands are present on or near the construction site.

69. Critical Habitats

In Leon county Florida according to the U.S. Fish and Wildlife Service there are six (6) endangered species and three (3) threatened species and three (3) candidate species. The construction is in a facility that is more than 25 years old in a Highly developed urban area and no woods or lakes near. The density of the campus population is such that presence of wildlife is rare.



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The project site should not directly or indirectly affect threatened or endangered or candidate species.

70. Floodplain

Tallahassee and the site are not located near or within a 100 year or 500 year Flood Plain.

71. Protected Land

The historic properties near the site are:

The FAMU Black Archives Museum, The Alumni Affairs Center at Faculty/Staff. All property is on the University campus and is part of its campus plan.

No part of the property is on or within tribal land or tribal territory.

1. The proposed project is not located on, within or adjacent to any properties listed in or eligible for listing in the National Register of Historic Places. The proposed project is not located on, within or adjacent to a National Historic Landmark.

2. The proposed project will not impact, use or alter a building or structure that was constructed more than 50 years ago.

72. Coastal Area

Florida's coastal zone is the entire State, but has two tiers. Local governments eligible to receive coastal management funds are limited to those Gulf and Atlantic coastal cities and counties which include or are contiguous to state water bodies where marine species of vegetation constitute the dominant plant community.

Florida's seaward boundary in the Gulf of Mexico is three (3) marine leagues nine (9) nautical miles) and is three (3) nautical miles in the Atlantic. The project is in the Florida coastal zone second Tier

73. Brownfield

The project is not located within a brownfield site.



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Uploads

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

Upload Name	File Name	Uploaded By	Uploaded Date
Management Team Resumes and Organization Chart	Robert Seniors Vita.pdf	Robinson, Larry	03/12/2010
Management Team Resumes and Organization Chart	Dawn Dennis Vita.pdf	Robinson, Larry	03/12/2010
Management Team Resumes and Organization Chart	David White's Vita.pdf	Robinson, Larry	04/08/2010
Management Team Resumes and Organization Chart	Organizational Chart.pdf	Robinson, Larry	04/08/2010
Government and Key Partnerships	LCL Letter.pdf	Robinson, Larry	03/12/2010
Government and Key Partnerships	DSR Letter.pdf	Robinson, Larry	03/12/2010
Historical Financial Statements	Financial Statement 2007-08.pdf	Robinson, Larry	03/15/2010
Historical Financial	Financial Statement 2009	Robinson, Larry	03/15/2010



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Funding Opportunity: Public Computer Centers		Applicant Organization: FLORIDA A & M UNIVERSITY	
Task: Submit Application - Public Computer Centers		Applicant Name: Dr. Larry Robinson	

Statements	Un-audited.doc		
Public Center Detail	PCCDetails FINAL ver excel 2003.xls	Robinson, Larry	04/09/2010
Detailed Budget	PCC Detailed Budget FINAL excel ver 03.xls	Robinson, Larry	04/08/2010
BTOP Certifications	FAMU AUTHEN&CERTS.pdf	Robinson, Larry	03/15/2010
SF424 Budget (A or C)	PCC SF 424 A and C Forms.pdf	Robinson, Larry	04/08/2010
SF424 B and D Assurances	FAMU ASSURANCES.pdf	Robinson, Larry	03/12/2010
Supplemental Information	Nixon Letter.pdf	Robinson, Larry	04/09/2010
Supplemental Information	Species Report.pdf	Robinson, Larry	04/08/2010
Supplemental Information	MS Thomas Parking Plan.pdf	Robinson, Larry	04/08/2010
Supplemental Information	MS Thomas - 1st Floor (Current).pdf	Robinson, Larry	04/08/2010
Supplemental Information	MS Thomas - 1st Floor (Renovation).pdf	Robinson, Larry	04/08/2010



**Broadband Non-Infrastructure Application
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