



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

Submitted Date: 3/15/2010 4:43:22 PM	Easygrants ID: 6388
Funding Opportunity: Public Computer Centers	Applicant Organization: UNIVERSITY OF ILLINOIS
Task: Submit Application - Public Computer Centers	Applicant Name: Ms. Katherine S. Young

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A. General Application Information

Applicant Information	
Name and Federal ID for Applicant	
DUNS Number	041544081
CCR # (CAGE)	4B808
Legal Business Name	UNIVERSITY OF ILLINOIS
Point of Contact (POC)	SANDRA MOULTON 2172444750 Ext. smoulton@uillinois.edu
Alternate POC	SANDRA MOULTON 2172444750 Ext. smoulton@uillinois.edu
Electronic Business POC	SANDRA MOULTON 2173334880 Ext. obfsgcopostawarduiuc@uillinois.edu
Alternate Electronic Business POC	KATHY YOUNG 2173336323 Ext. gcoaward@uillinois.edu

Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix	Ms.
First Name	Katherine
Middle Name	S.
Last Name	Young



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Suffix	
Telephone Number	217-333-6323
Fax Number	
Email	kyoung@illinois.edu
Title	Director, OSPRA

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

Project Role	Name	Phone	Email
Other Contact	Dr. Jon P., Gant	2173333280	jongant@illinois.edu
Secondary Point of Contact	Dr. Sharon L., Irish	2173337094	slirish@illinois.edu

Other Required Identification Numbers

Easygrants ID	6388
Funding Opportunity Number	500000
Catalog of Federal Domestic Assistance Number	BTOP CFDA Number: 11.557 BTOP CFDA Title: Broadband Technology Opportunities Program

Organization Classification

Type of Organization	Non-profit Institution
Is the organization a small business?	No
Does the organization meet the definition of a socially and economically disadvantaged small business concern?	No



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Authorized Organizational Representative	
AOR	Knorr, Walter
Result	Re-Notify

Project Title and Project Description

Project Title: Urbana-Champaign Big Broadband (UC2B) Public Computer Centers

Project Description: UC2B and partner agencies that serve vulnerable populations have come together to expand and/or renovate 18 public computer centers that serve vulnerable populations, along with Wi-Fi access points to serve 60,000 additional users each year. The project will also create two new multi-purpose facilities in existing structures to provide new public computer facilities in underserved areas.

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
6392	Urbana-Champaign Big Broadband (UC2B) Sustainable Broadband Adoption
1724	Urbana-Champaign Big Broadband

If YES, please explain any synergies and/or dependencies between this project and any other applications. There are three linked submissions from the Urbana-Champaign Big Broadband Consortium (UC2B). The Middle Mile Infrastructure proposal from Round One was funded. It will provide high-speed connectivity to 143 area community anchor institutions (see attached list) and support fiber-to-the-home in four low-income neighborhoods. Taking advantage of this connectivity requires an expansion in the number of public computer centers for access and training. Parkland College, our local community college, will deliver their established training curricula to 18 sites and provide technical support at those sites as well as 7 other locations. The PCC proposal



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leverages and coordinates efforts already in progress in Champaign-Urbana, as well as creating two new facilities in underserved areas of the cities. The SBA will be the engine to continue the momentum of the PCC projects. To continue the automotive metaphor, the PCC provides up-to-date vehicles for public use, and the SBA develops skills so that more people can get in the driver's seat and stay there to uplift the cultures and economies of the region. A creative and aggressive campaign to sustain adoption of broadband use to new people or businesses will be simultaneously launched with the public computer center expansions throughout the communities.

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

Executive Summary of the proposed project:

WE WERE INFORMED BY THE STATE OF ILLINOIS AT 2:00 PM EDT ON 3/15/2010 THAT, HAVING ALREADY PROVIDED \$3.5M MATCH FOR UC2B'S ROUND 1 PROPOSALS, THEY COULD NOT GRANT ANY ADDITIONAL MATCHING FUNDS TO UC2B'S ROUND 2 PCC PROPOSAL. WE STILL EXCEED THE ROUND 2 PCC MATCH REQUIREMENT WITHOUT THE STATE FUNDING. GIVEN THE VERY LATE NOTIFICATION BY THE STATE, THE CURRENT SUBMISSION COULD NOT BE UPDATED TO REFLECT THIS CHANGE; WE ARE PREPARED TO SUBMIT AT SHORT



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NOTICE AN AMENDED ROUND 2 PCC PROPOSAL NARRATIVE AND BUDGET, TO REFLECT THE CHANGE IN STATE MATCH.

Champaign-Urbana has an acute gap in supporting anchor institutions in our most underserved neighborhoods, which necessitates investment in public computing centers. In 2006, a key community organization, the Urban League, which served thousands of low-income residents with job development training, technology skill building, and a host of adult and youth educational programming, closed its doors and created a vacuum. The UC2B Centers proposal can specifically strengthen the remaining anchor institutions that need to absorb the many residents who continue to need these resources. We still do have a number organizations that have the capacity to increase digital literacy among our most vulnerable populations. This proposal can help expand the ability of these organizations to meet the needs of all our low-income residents. With a population of 113,000, we are home to the University of Illinois, the nation's second largest research university (in research dollars). The University of Illinois developed the first graphical Web browser, NCSA Mosaic, the LED, and alumni from our highly-ranked computer science program invented YouTube, PayPal, and more. Illinois is now building the world's fastest supercomputer, Blue Waters.

But our community has the widest digital divide in Illinois and perhaps the nation. Within less than a mile of the university, people do not have access to broadband, to computer workstations, or to the basic digital literacy now critical for jobs and education. We have the fifth largest population below the poverty line in Illinois, and in our public schools 60% of children are federally eligible for free or reduced lunch. We know that roughly 2,000 children in our schools do not have access to a computer at home, and that broadband adoption is below 40% in our target neighborhoods. The population of the project area is 10,660, and compared to the Champaign-Urbana Metropolitan Area, the project area has a higher concentration of Hispanic and African-American residents. While only 2.9% of Champaign-Urbana residents are Hispanic, 4.5% of the project area residents are of Hispanic descent. 48% of project area residents are African-American, representing a much higher concentration than the Champaign-Urbana's overall total of 12%. By placing computing sites within the project area, vulnerable populations such as Hispanics and African-Americans will have better access to the programs offered by this project. With a variety of programs and anchor institutions' involvement, we anticipate a significant broadband adoption, facilitated by public computing access, over the course of the next two years due to the funding of the UC2B Infrastructure Middle-mile Proposal.



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Our proposal will have the following impact by:

- employing 37 FTE people in construction, IT support, trainers and educators, administrative staff, and site managers
- creating 24 FTE indirect jobs from dollars spent on construction, equipment, supplies and furniture
- inducing 14 FTE jobs through other industry jobs created as money is spent by the direct and indirect jobs created
- serving 75,000 people in PCCs, and raising participation and skills
- fostering interest in at-home use that will support sustainable adoption by 5500 households
- leveraging a revenue stream from funding of our UC2B network (funded in Round 1)

The following data, collected from an area-wide survey of the 11 lowest-income Census Blocks in Champaign-Urbana (2009), show the following:

- an average of 41% of the households in our lowest-income areas (11 Census Blocks) have broadband access, with some blocks having as low as 16.6% and our highest level of penetration at 54.6%
- 38.4% of the households have no computer
- 13.6% have a computer with no Internet access
- 9% have a computer with less connectivity than broadband Internet
- 44.5% have a computer with broadband internet

To support providing access to computing for the 61% of the community without computers and broadband access, we are seeking funds to a) expand the capacity for public computing by creating a new hub and two expanded centers, b) enhance existing neighborhood-based technology centers at anchor PCCs, libraries, schools and health facilities, and c) create a sustainable revenue model within UC2B that directly correlates to the sustainable adoption strategy we have developed.

Our UC2B infrastructure grant was recently funded, and UC2B has a revenue model that will provide PCC support from the network subscriber base. What we need is the ability to launch our PCCs and strengthen them until our network is built and subscribers adopt broadband to sustain the PCCS. PCCs will provide a path to broadband in the home for many, while serving the social and after-school computing needs of youth and community organizations that need public spaces and technology to support their work. Further, launch of this effort will create



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In our region, poor weather conditions for several months of the year challenge many low-income residents who rely upon a limited service public transportation bus system to get to PCCs. Our goal is to provide proximity to programming to train the emerging digital workforce and user base through a network of critical neighborhood-based partners that includes the cities of Urbana and Champaign, Parkland College, Champaign Public Library, The Urbana Free Library, the Don Moyer Boys and Girls Club, and the University of Illinois Graduate School of Library and Information Science (GSLIS). Our public libraries have served over 110,000 computer users in the last 6 months and successfully operate existing public computing centers. Parkland College has a public computer and workforce development training center and an effective program that has already given thousands of people job training in IT skills, resume support, and more. Other key partners include the Public Schools, the Urbana-Champaign Independent Media Center, and a group of community centers, churches, and outreach organizations that specifically serve vulnerable populations.

Project purpose:

Through our PCC programming we will create or save jobs in construction and in staff to deliver these programs, and we expect to create jobs through small business support. We have identified a local/state match for this funding, in addition to leveraging the broadband infrastructure development provided in the 11 Census Blocks in low-income neighborhoods, funded by the BTOP Infrastructure grant, and other existing grant support.

Effective solution: Our approach to meeting the needs of our vulnerable populations is three-pronged:

1. Provide easy access to, and outreach for, workforce development training, spearheaded by Parkland Community College; implemented in neighborhood-based locations and on the Parkland College campus.
2. Extend the University's small business incubator services within the PCCs to small, minority-owned and disadvantaged businesses, and provide training on getting their businesses online, on e-commerce, and on common business software from Office to financial management (e.g., Quickbooks).
3. Implement a comprehensive community approach to broadband access, engagement, and sustainable adoption through a) providing fully integrated services and programs such as K-12 education and healthcare in the PCCs, b) re-instituting a major community anchor institution that serves the broadest public in need in North Champaign, and which will serve as an integrator of



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services throughout the community using broadband technology, and c) providing easily accessible public computer access points (most of which are for youth, homeless, women, low literacy, disabled, etc.).

Our Public Computing Center proposal includes:

- Expanding and renovating a network of 18+ public computer centers to provide access, training and business development, in the neighborhoods that need it most. The 18 centers include 3 libraries, a major social anchor institution, and 14 not-for-profit agencies that serve vulnerable populations. Up to 111 additional workstations and laptops along with wifi access points to serve 75,000 additional users each year is planned.
- Delivering training to 4,000 people in IT-related job skills such as word processing and computer repair, providing resume support, and delivering workforce development to re-train unemployed and underemployed populations.
- Sustaining some of the staffing after the term of the grant through the commitments of the partners (Parkland College and Public Libraries) to continue operating and upgrading these public computer centers on an ongoing basis, which can be done by leveraging state technology grants that currently are awarded to Parkland Community College.
- Expanding a successful “Lighted Schoolhouse” pilot to 4 additional elementary schools and one middle-school site to create family resource centers where adults can get online to check their children’s homework and grades and coordinate with teachers. This will serve at least 200 students, parents and teachers.
- Involving teens in social networking and multimedia productions using an existing mobile airstream trailer project funded by the University, which will also serve as a mobile community IT help desk and computing center. We know that over 5,000 local teens will be impacted by this programming due to the mobile nature and sustained funding for the trailer.
- Creating and translating materials into Spanish

Replicable solution: The University of Illinois, a key partner and home of the veteran community networking initiative Prairienet, has a 20-year history of building and sustaining PCCs. We have a sustainable revenue model that is tied to our infrastructure grant and to the uptake we expect if our sustainable adoption proposal is funded, in addition to UC2B's revenues from building an open network. This model can be used by other communities. We have the capacity to archive and disseminate solutions online for other emerging communities.

Serving the Underserved: Our PCC effort is designed to address the 61% of our most underserved community members who do not have access to computers and broadband. The



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most significant PCC resource we have had in this community, the PCC provided by the Urban League, closed in 2006. It served thousands of local low-income residents from vulnerable neighborhoods. What we have learned since its closure, as one prominent local leader recently said, is that we need a real, physical address and a virtual address where technology can be used to build skills, submit online resumes, and support technology-adoption. Our aim is to provide a recognizable, familiar physical address for all of our residents who need the technology support that has been eroded by lack of funding and support in the past three years. This must be in close proximity to the 11 census blocks that have low broadband penetration. Our plan is to re-constitute the former Urban League PCC as part of this effort, which will work as C-U SBA in our SBA application.

The UC2B Public Computer Center proposal will create or save 75 jobs and advance 3 of the 5 statutory purposes of BTOP:

1. Increasing broadband takeup in underserved areas (currently evidencing <40%)
2. Increasing broadband awareness and access and providing broadband training, equipment, and support to anchor institutions and vulnerable populations.
3. Stimulate the demand for broadband, economic growth and job creation.

Recovery Act and Other Governmental Collaboration:

A significant UC2B infrastructure project (\$22,534,776) has been awarded to construct 187 miles of fiber-optic broadband and connect 143 anchor institutions throughout Champaign and Urbana. This funding will also provide fiber-to-the-home to four low-income neighborhoods. The institutions that will be networked include 40 K-12 schools, 17 social service agencies, 14 health care facilities, nine youth centers, four public library systems, and two institutions of higher education. The fiber-to-the-home pilot project will serve 2500 low-income households, enabling the purchase of an affordable high-speed Internet service plan from commercial providers. The UC2B infrastructure project directly supports this Public Computing effort, and vice versa. On the one side, a robust broadband infrastructure provides the connectivity pipeline through which training and services to support increased digital literacy can be delivered. On the other side, improved access to high-speed Internet and to computing resources further feeds the demand and need for accessible, targeted digital literacy training. Our public computing centers need to be able to withstand increased demand for help and skill-building. Targeted wireless access will provide users with a sample of Internet possibilities and help build interest. Through



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this proposed PCC project, UC2B could provide support for those new to the digital world until we have our sustainable revenue stream in place from adoption. Additionally, we are leveraging a State of Illinois Digital Divide grant to the Community Informatics Initiative at GSLIS (\$55,000 funded in FY09) that supports a community technology center in north Champaign; another Digital Divide grant to Parkland College (also \$55,000) supports workforce development and training to underemployed workers and access to public computing. Parkland College has reapplied for another grant for FY10. This will support services at the physical location of the local unemployment office, and extend directly to meet the needs of people who cannot find work that requires technology skills. This program, its staff and resources are a large part of our PCC strategy to train and support the emerging workforce. Part of an NSF Icubed/Cpath grant to Parkland College in the amount of \$26,967 is being leveraged to teach digital literacy.

Technology Strategy:

The technology strategy for this proposal centers on providing support for personal computers and the IT infrastructure to support the public computer centers and individual users through a public-private collaboration between Parkland College and Mezolink. The Parkland-Mezolink collaboration will manage the PCCs through a centralized management scheme. Parkland College is a community college in Champaign, IL that provides extensive training in computer hardware, software and network support for operating and managing public computer centers. Mezolink is a business that manages the technology infrastructure for public computer centers. Working together, Parkland-Mezolink will centrally manage users, servers, group policies and services as a strategy to provide high-quality support and reasonable support costs. The Parkland-Mezolink staff of proficient employees with a vast variety of skill sets, including VMware, Microsoft, and hardware to wireless and Cisco routers & switches, to name a few.

The technical team will support 25 existing or planned public computer centers or targeted access sites that will serve underserved areas and vulnerable populations in Champaign-Urbana. The PCC facilities will be connected to the Internet using fiber deployed in the 11 Census blocks that comprise the lowest income neighborhoods in Champaign-Urbana.

The team will be comprised of a core staff of paid professionals and a complimentary team of cyber volunteers. This model allows for a number of people to work part-time to manage computer labs within an existing infrastructure that can provide training and extended support. In addition to the training that team members have previously completed through Parkland College,



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Parkland will also offer both sets of team members will continuing education training through customized programs.

The PCCs will use VMWare to provide the software in the labs with a virtual server to deliver the computer desktop and application to each personal computer. The technical team will be able to provide remote management of the PCCs. This will improve the effectiveness of the performance of the IT infrastructure at the PCCs. By using a standardized network platform and hardware and software configuration, the technical team will be able to make faster deployments of software installations and upgrades. The technology strategy includes managing the IT operations including the management of hardware, network, security, and user administration. The systems management includes monitoring and administering the software and servers to make sure the systems are running optimally, patches and releases are up-to-date, and the servers are meeting the demand for the number of users.

Mezolink will deploy Cisco routers, firewalls and switches to configure each PCC. The Cisco equipment includes:

- ASA 5505 – Firewall
- 2960 (8 or 24 port models) Switch
- 800 Series routers (not needed were 5505 are present) router (has wireless option)

Mezolink will also deploy Wyse terminals to provide a cost effective architecture that is scalable.

As part of the software deployment, we will provide support for individuals and organizations to use commercial cloud computing options, such as Google Docs or other tools that users may opt to try at their own discretion. We will encourage green practices as appropriate. We will also set-up online communities on such widely-used sites and online resources such as Google Video, YouTube, Facebook and Twitter.

Parkland-Mezolink will provide technical support through remote or phone support and in-person or on-site support. The PCC support will be available 24 hours a day 7 days a week. Live support from a technical team member will be available from 9 am to 6 pm Monday through Friday. An attendant will direct the call to one of our capable support representatives. Every call is directed to the most qualified representative to handle the incidents that are presented. After hours, 6PM to 9AM, we will have a support voicemail for when our on-call representatives are unavailable immediately. When a call is listed as a network outage, the caller will be



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prompted to press the outage digit to get immediate assistance. Network outage calls will receive a response with 3 hours of leaving a voicemail, if a support representative is not available.

The technology strategy also provides support for labs outside of the PCCs including libraries, public schools and non-traditional “cyberlounges”. In addition to the MezoLink-managed equipment, there are a number of sites where either the host institution (libraries, schools) or the UC2B help desk staff will provide tech support. This will include some traditional "classroom" style sites like that at the library, but also "cyberlounges" and unique social spaces for organizations to meet and use technology to support their work. These technology strategies and policies, and the updates that will be needed, will be part of UC2B staff training and evaluation. They will also be inserted into the curriculum and support offered to underserved areas and vulnerable populations through the entire network of public computer centers.

Public Availability:

The UC2B network of public computer centers across the underserved areas of the two cities will offer near-open availability of broadband-connected hardware and software. This is because it is a network that includes general access centers and advanced training facilities, as well as more limited access centers serving a specific vulnerable population. None of the public computer centers charges specifically for use of computers or broadband.

Our primary goal is to create as much access to technology as we can, particularly within the main anchor institutions that serve the public. Because this effort is a collaboration of municipal government and a state-agency, Parkland Community College and the University of Illinois, we have a deep interest in serving the public good and stewarding taxpayer dollars in a way that creates the most access possible for residents of central Illinois.

General public access will be provided by direct participation from all three public library locations: the Champaign Public Library, Champaign’s Douglass Branch Library, and the Urbana Free Library, as well as our large social anchor institution. In addition, there are community centers generally open to all members of the community, such as the Independent Media Center.

Limited public access spaces are those public computing centers that provide access to specific groups, particularly the vulnerable populations they serve. For example, the Developmental Services Center serves only disabled people of all types and the Don Moyer Boys and Girls Club



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is open to youth. Local women’s centers are safe houses for women in distress and their children, and Head Start is limited to enrolled children. The Youth Detention Center public computers are only for residents, as are those in homeless facilities that primarily serve residents of these respective facilities.

The Public Health District houses many programs and services including Maternal and Child Health, Women, Infant and Children (WIC) program, Child Dental offices, Infectious Disease Prevention and Management, and Wellness and Health Promotion. CUPHD also leases space to Child Advocacy Center and Best Interest of the Children. The agency also hosts the Summer Food Program which brings in additional children ages 18 years and under to our facility for free breakfast, lunch and an afternoon snack. CUPHD also sponsors an on-site Farmer’s Markets July through October. This density of programming and organizations serving the very population that we aim to reach makes our strategy of providing PCCs throughout neighborhoods and in central locations ideal.

Each of these efforts are publicly funded with specific missions that can be empowered by broadband access, which is critical to staving off further erosion of our public programs and efforts. We do not intend to charge fees for access to PCC programs.

Restrictions on Center Use:

The main use restrictions of the UC2B public computing network will be specific to the rules of each host institution. Within the UC2B network all labs require the usual department in public spaces, but in every case privacy and freedom of use is also an important standard. In every case the viewing of pornography is discouraged, but no lab practices active surveillance unless someone in the area complains or there is danger that adult content will be exposed to children.

Involvement of Community College:

Parkland College is partnering with others in the Champaign-Urbana community to assist in providing technology training at numerous Public Computer Centers in the community’s most underserved areas. The training and assistance Parkland will provide is based on successful training models currently used at Parkland’s PCC on Mattis Ave. The training will engage participants at multiple levels, from the very basic understanding of computer components and functionality to more advanced topics in design and programming. Parkland's district has a population of roughly 243,184 people and covers a significant geographic area including parts of 12 counties. While Parkland College's services extend to all individuals within the district, the



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services concentrate on the areas of greatest need within Champaign-Urbana (C-U) and the surrounding area where underserved populations have very little access to computer technology. Business and industry in the C-U area demand above-average computer competency and/or IT skills for their workforce. At the same time, more individuals are investigating technology as an alternative to the traditional job placement opportunities for people looking to make a fresh start. With assistance from Parkland's Department of Adult Education, we provide training as alternatives to low-wage jobs or unemployment. We target individuals who want to improve their skills to achieve better positions.

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

- No

Is the applicant delinquent on any federal debt?

- No
- If Yes, justification for delinquency:

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

- No

C. Partners

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

- Yes

If YES, key partners are listed below:

Project Role: Sub-recipient Name: Mobasseri, Maria Email: mmobasseri@parkland.edu Address 1: 2400 West Bradley Avenue Address 2: Address 3: City: Champaign State: Illinois Zip Code: 61821 Organization: Parkland College



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<p>Organization Type: Non-profit Institution Small business: No Socially and economically disadvantaged small business concern: No</p>
<p>Project Role: Other Name: Smeltzer, Michael Email: smeltzer@illinois.edu Address 1: 2129 DCL Address 2: 1304 W. Springfield Ave. MC 256 Address 3: City: Urbana State: Illinois Zip Code: 61801 Organization: University of Illinois, Campus Information Technologies and Educational Services Organization Type: Non-profit Institution Small business: No Socially and economically disadvantaged small business concern: No</p>
<p>Project Role: Sub-recipient Name: DeJarnette, William Email: bhdejarnette@city.urbana.il.us Address 1: 400 S. Vine Street Address 2: Address 3: City: Urbana State: Illinois Zip Code: 61801 Organization: City of Urbana Organization Type: City or Township Government Small business: No Socially and economically disadvantaged small business concern: No</p>
<p>Project Role: Third party in-kind contributor Name: Fuller, Christopher Email: cfuller@usd116.org Address 1: Central Office Address 2: 205 N. Race Street Address 3: PO Box 3039 City: Urbana State: Illinois Zip Code: 61803-3039 Organization: Urbana School District 116</p>



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<p>Organization Type: Other Small business: No Socially and economically disadvantaged small business concern: No</p>
<p>Project Role: Third party in-kind contributor Name: Lissak, Debra Email: dlissak@tufl.info Address 1: 210 W. Green St Address 2: Address 3: City: Urbana State: Illinois Zip Code: 61801 Organization: The Urbana Free Library Organization Type: City or Township Government Small business: No Socially and economically disadvantaged small business concern: No</p>
<p>Project Role: Sub-recipient Name: Grove, Marsha Email: mgrove@champaign.org Address 1: Clara Lane Address 2: 200 W. Green St. Address 3: City: Champaign State: Illinois Zip Code: 61820 Organization: Champaign Public Library Organization Type: City or Township Government Small business: No Socially and economically disadvantaged small business concern: No</p>
<p>Project Role: Sub-recipient Name: Arrington, Andre Email: aarrington@DMBGC-CU.ORG Address 1: 201 E. Park St Address 2: PO Box 1396 Address 3: City: Champaign State: Illinois Zip Code: 61824 Organization: Don Moyer Boys and Girls Club</p>



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Organization Type: Non-profit Corporation
 Small business: No
 Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
 Name: Mitchell, Janice
 Email: jmitchell@usd116.org
 Address 1: 1401 E. Main Street
 Address 2:
 Address 3:
 City: Urbana
 State: Illinois
 Zip Code: 61801
 Organization: Urbana Neighborhood Connections Center
 Organization Type: Non-profit Corporation
 Small business: No
 Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
 Name: Chynoweth, Danielle
 Email: chyn@ucimc.org
 Address 1: 202 S. Broadway
 Address 2: Suite 100
 Address 3:
 City: Urbana
 State: Illinois
 Zip Code: 61801
 Organization: U-C Independent Media Center
 Organization Type: Non-profit Corporation
 Small business: No
 Socially and economically disadvantaged small business concern: No

Project Role: Other
 Name: Pryde, Julie
 Email: jpryde@c-uphd.org
 Address 1: 201 W. Kenyon Road
 Address 2:
 Address 3:
 City: Champaign
 State: Illinois
 Zip Code: 61820
 Organization: Champaign-Urbana Public Health District



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Organization Type: County Government Small business: No Socially and economically disadvantaged small business concern: No
Project Role: Sub-recipient Name: McClain, Robin Email: mcclairo@champaignshools.org Address 1: Mellon Center Address 2: 703 S. New Street Address 3: City: Champaign State: Illinois Zip Code: 61820 Organization: Champaign Public Schools Unit 4 Organization Type: Other Small business: No Socially and economically disadvantaged small business concern: No

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

Parkland College is a key training partner in introducing computer use to the uninitiated and then building on those skills for workforce development and digital literacy. They will be providing training in 8 facilities, including the Illinois Employment and Training Center, as well as two new hubs, the Champaign UC2B Tech Center and the Urbana Neighborhood Connections Center. The well-tested, tiered curriculum will also be offered at the libraries, Salem Baptist Church, four public elementary schools, and two community centers, one in a private mobile home park in Champaign (Shadowwood), and the other near mobile homes in east Urbana (Muslim American Center.) Parkland will also provide in-kind support for use of their current facilities. Other training will be offered in a public housing authority space, Dorsey Homes. The city of Urbana is committed to expanding the coverage of public computer centers by designing, installing and maintaining wireless hardware in locations in 7-9 targeted areas, serving about 5,000 people. The Urbana Free Library will receive laptops through this grant as well as patron training from Parkland staff and volunteers. The laptops will allow flexible use of a crowded building that already has wireless access; the accessible building is open 70 hours a week and now will accommodate more training sessions. The patrons at the Champaign Public Library will also be able to have instruction from Parkland staff; the Douglass Branch library, with local and state matching funds, will be expanded and receive 10 new workstations, along with instruction.



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The branch library is located in a targeted area, and will benefit from wireless access as well as fiber optic infrastructure. Four Urbana public schools will receive a total of 10 computers as well as opportunities for further technology training. The K-5 Technology for Kids programming already occurring in the Urbana's King and Prairie schools introduces children to basic computer skills. (King has 89% minority students and 83% low income. Prairie has 79% minority and 80% low income.) The National Educational Technology Standards already used as a guide facilitates our collaborative expansion with extended hours for families and their children, and the addition of Leal School (47% minority and 54% low income.) The current program costs \$42,167 a year for twice a week for an hour and a half each day, for 30 students. The lighted schoolhouse pilot program in Champaign is a collaboration between the city of Champaign, the Park District and the Champaign school district. We are working with the Garden Hills School to expand on that effort with four new computers and opportunities for further technology training for families after school. We have added a middle school component at the nearby New Hope Church. Families are already coming to these locations for school-related events, so this is a natural extension of everyday learning and sharing of knowledge. The city of Champaign's Neighborhood Services Department is planning an extension to Garden Hills School in the near future that will help sustain the PCC. Both school districts have many volunteers who can leverage the work of paid staff in increasing computer skills. Since families already come to the schools, these locations are appropriate for hands-on, inter-generational learning. The hub at the Urbana Neighborhood Connections Center (UNCC) will be expanded with local and state matching funds to provide a safe and entertaining space for youth—a cyberlounge—and the facility will also receive 20 new workstations. With NTIA funding the fiber-optic infrastructure, the whole facility will be wired for broadband access. The UNCC is a grassroots establishment that partners not only with UC2B but the Housing Authority of Champaign County, the Urbana school district and the city of Urbana, with support from the United Way. The director of the center, Janice Mitchell, is a school district employee and she is well integrated into the lives of families in the community in which she lives and works. Another facility that engages local youth is the Don Moyer Boys and Girls Club (DMBGC). With local and state matching funds, the club will be expanded to include a cyberlounge to further involve youth in digital media production. The club also will help transport the Champaign public school youth to their homes after the training at Garden Hills, contributing their van and a driver to this program, as they have been doing for a number of years already. With federal funding and expansion, the club's capacity can serve more youth, contributing to their positive development in a long-standing local institution. The U-C Independent Media Center, established in 2000, will receive 6 new workstations and thus increase its ability to serve a well-established and growing clientele. They



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will contribute \$7000 to match the public computer centers grant, while they benefit from connection to fiber-optics through UC2B infrastructure. In the “other” category is the Campus Information Technology and Educational Services (CITES) that has offered our intertwined proposals a cash match of \$420,000. This generous donation, from the group that spearheaded the infrastructure proposal, demonstrates their support for the vital training and necessary outreach to sustain broadband adoption. Finally, the Champaign-Urbana Public Health District will serve as a landlord as well as programming partner for the north Champaign public computer center. Their spacious facility will house classrooms, a small-business incubator, a public lab and related support facilities for the families that come to CUPHD for a variety of services.

D. Congressional Districts

Applicant Headquarters

- Illinois

Project Service States

Illinois

Project Service Areas

Illinois - 15

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

- No

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

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



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➤ No

E. Demographics

Demographics

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

Low Income

Unemployed

Youth

Other:

Vulnerable Populations

We are specifically addressing five vulnerable groups: African-Americans, Hispanics, low-income, unemployed and youth. Compared to the Champaign-Urbana Metropolitan Area, the project area has a higher concentration of Hispanic and African-American residents. While only 2.9% of Champaign-Urbana residents are Hispanic, 4.5% of the project area residents are of Hispanic descent. 48% of project area residents are African-American, representing a much higher concentration than the Champaign-Urbana's overall total of 12%. By placing computing sites within the project area, vulnerable populations such as Hispanics and African-Americans will have better access to the programs offered by this project. We have been working with researchers who are studying cultural differences in computer usage, and will partner with



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community members to make the spaces and the interior arrangements comfortable and welcoming, physically and virtually. For Spanish-speakers, that means, of course, lab assistants who speak Spanish, as well as materials that are available in Spanish. People who may be undocumented especially need to feel safe and know that their privacy will be respected. By 2008, one in five Champaign County residents lived below the federal poverty level, according to 2008 Census Bureau estimates. Extreme poverty, living on an annual income of less than half the poverty line, affects 17,420 people in Champaign County, according to the U.S. Census Bureau, an extreme poverty rate of 10.0%. (U.S. Census Bureau's American Community Survey; 2000 Decennial Census) Because poor people often have difficulty with transportation costs and child care, we have located the PCCs in areas where they live and, when possible, provided child care so that parents can receive training from Parkland, or access the computers in the labs. Workshops and tutoring will be available at no charge for the grant period. Champaign-Urbana's unemployment rate for December 2009 was 8.5%, for a total of 10,600 people unemployed. (Bureau of Labor Statistics http://www.bls.gov/eag/eag.il_champaign_msa.htm) Unemployment and poverty are correlated, as stressed by the Heartland Alliance Mid-America Institute on Poverty. Further, quality and equitable education is a foundation for economic mobility. <http://www.heartlandalliance.org/research/data/champaigncounty07.pdf> UC2B, together with Parkland College and other key partners, proposes to address low-income populations by supporting workforce development for adults, and access to excellent education for youth and their families, strengthened by parent engagement via PCCs. Children are particularly vulnerable to poverty. 7,032 children live below the poverty line in Champaign County, a child poverty rate of 18.7%. Our investment in cyberlounges in Champaign and Urbana, along with open lab hours and collaborations with clubs, libraries and schools, will provide positive spaces and activities for many youth.

Accessibility

UC2B's open, accessible network philosophy includes accessibility for people with disabilities. We will work to make the full scope of information technology engagement available to all of our residents. Our team has expertise with every aspect of accessibility, from building computer technology center facilities that can be used by people with wheelchairs to providing helpdesk, software, and training services to enable people with vision, hearing, or motor impairments to use computers effectively. Some distance learning methods, including online workshops through ANGEL (Parkland's online course delivery system), will be considered for participants who are not physically able to attend classes at PCC locations. The University was one of the first wheelchair-accessible campuses in the nation decades ago, and today is a national leader in



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accessible web and software technology. That commitment extends to UC2B. Most of the public computer centers have been involved at some stage in receiving public funding and have been required to meet standards for disability access. In general we will have no center in the network that is not accessible to the disabled. While the buildings are accessible, over time we will have to make sure that other aspects of the public computer spaces can be fully useable as well. The arrangement of tables or desks cannot prevent people from getting as close as they need to for computing. If there are residents and users of the labs who have other special needs we will have to work with their specific PCC in order to find a reasonable solution.

Other Languages

Given the Hispanic population in Champaign County, we will provide some programming and materials in Spanish. The University of Illinois has a number of faculty and staff eager to engage with other Spanish speakers and there are active, well-established tutoring programs in the public schools to work with children of new immigrant families. These programs can easily dovetail with the extended-day programming planned in conjunction with the Champaign and Urbana schools. We have already worked closely with Lucia Maldonado, the parent liaison for Urbana schools, to develop relevant family activities to promote computer literacy. Extension recently established a Hispanic Outreach and Education Office that supports Extension programs with 4H, Nutrition and Youth and Families. We will work with them to get materials online related to these topics. The Urbana Free Library is developing computer and other training programs for all the Latino families from nearby Leal School. The Avicenna Free Health Clinic aims to provide a health education work station at the Urbana Free Library. Nuevos Horizontes, an online and radio Spanish-language program on health and culture, is one locally produced effort that draws Spanish speakers into media-related activities. Local radio stations, streamed online, also offer Spanish language programs regularly that can be used to promote and implement outreach and capacity building programs to build digital leadership. We will certainly draw on the experiences and contacts of the Latino Partnership of Champaign County (LPCC) and many other advocates and leaders of the Latino community in C-U.

Outreach

Public Computing Centers Outreach



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We plan to generate up to 2500 new users of technology, particularly in low-income neighborhoods through the network of community based organizations, including schools, clinics, and organizations. We will do this through “Cybernavigators,” which is our term for the role that our lab monitors, instructors, and teaching assistants play in people’s lives. This grant will allow us to increase our existing staff of instructors, teaching assistants, and lab monitors who will deliver this training in 18 locations in Urbana-Champaign. This added capacity will allow us to serve a population of 10,000 people (unduplicated), both adults and youth from our targeted neighborhoods and vulnerable populations.

Our outreach solution entails working directly with community based organizations, especially the reconstituted social anchor institution in north Champaign. These organizations will function as intermediaries and distribution channels for driving participation and adoption. To close the digital divide, we need trusted partners that know the community intimately, and are capable of communicating broad messages to mass audience, in addition to providing spaces for computing. Part of our solution includes working closely with the U-C Independent Media Center and its local community radio station, WRFU 104.5, as well as its newspaper the Public-I. We also know that WBCP 1580AM, the Black radio station and the local NPR stations of WILL-AM-FM-TV are important stakeholders to communicate and use broadband.

Our strategy includes an "on the ground" approach to SBA through community organizations, but also includes leveraging all of the mass communications channels to promote, discuss, debate and support our local anchor media outlets that are community-based, Black Thought, an African-American community newspaper; faith-based organizations' bulletins and websites; Community portals and organizations; Prairienet; School district literature, moodles, and extra-nets that communicate to parents and students; Hospital and clinic literature and closed-circuit programming. Our marketing strategy focuses on attracting individuals who qualify as residents of low-income communities and need access to computers, basic computer skills, GED preparation, after-school literacy programming, and training for job-related computer tasks. Marketing communication and promotional efforts include public service announcement (PSAs) on television and radio; and posters in the buses. These outreach functions are an important part of the work our generating technology interest, and a our staffing model includes interfacing with these types of organizations to foster mass adoption. A key principle for job creation and capacity development is to hire as many staff from among low-income, minority and un/underserved residents.

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

➤ 75000



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Training and Education

Peripherals and equipment

We intend to provide at least one printer in the non-school facilities that have six or more computers. However we will encourage frequent use of thumbdrives to save an individual's work and avoid printing as much as possible. Scanners and microphones will be valuable tools for collecting family archives and recording stories. For the multimedia settings (Boys and Girls Club; UC2B Champaign Tech Center; Urbana Neighborhood Connections) peripherals include Studio Projects B1 Condenser Microphones, cables, stand and mount (\$190); Sony headphones MDR-V700DJ (\$99); M-Audio Studio Pro 4 Powered Desktop Speaker (\$200); Netgear FS524 24 Port 10/100 Ethernet Switch (\$410), and HP Color Laser 3800N Printer (\$900). With scanner, color and black and white printers for these three facilities the total cost would be \$17,0774. Il facilities will have HP B/W Laser P3005N Printer (\$800); and HP Scanjet 4890 Photo Scanner USB4800 DPI (\$180).

Workstation software

Through Mezolink, we will equip all units with standard Microsoft Office suite. In addition to the standard Microsoft Office Suite and licenses on all machines, we will install Adobe Creative Suite: Production Premium (\$590 ea); Adobe Creative Suite: Design Premium (\$590 ea); Creative Labs: SoundBlaster Audigy 4 Pro (\$260); Roland XP-30 Keyboard (\$950); Digidesign Mbox 2 Factory, with Pro Tools LE 7.3 (\$595) in a work station in each of the three locations that will have multimedia production, for a total of \$8955, purchased through Mezolink.

Training and education programs

Business and industry in the Champaign-Urbana area demand above-average computer competency and/or IT skills for their workforce. Individuals from the community have the option to receive either general support or structured training at participating PCCs. This support is provided to any individual who requires assistance with general computer/technology issues such as sending emails, filling out job applications, or registering for online for services. Parkland training will be used to train the trainers in addition to regular participants. Initially, the training will be conducted by the experienced teachers already at Parkland. Participants receiving



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structured training (beyond general support) at a PCC are separated into three cohorts based upon their familiarity and skill with computers and general technology (basic, intermediate, and advanced). Participants will be assigned groups of 10-17 students to enroll in a one-year technology training program implemented by using a range of instruction approaches at each of the three skill levels. Participants who have very little knowledge of computers and technology and simply need a core curriculum in order to bring them up to speed with “everyday” technological functions. The introductory cohort has core training classes over 16 weeks including keyboarding, MS Office applications, knowledge of the Internet, digital media topics, and PC maintenance at casual user level. Participants who already have some skills can expand their knowledge and learn more advanced, or new, skills. For those students completing the core training classes, or students entering with intermediate skills, special topics are offered in multiple IT tracks: hardware/A+ certification, digital media/game design/animation or another specified field that fits within the PCC’s capabilities. Participants who have already developed specific computer skills and are now looking to use these skills in a pragmatic fashion by entering the workforce or an institution of higher education are provided further group training in specified fields of their choice which fit within the PCCs capabilities. The result of this training may lead to A+ certification, job-shadowing opportunities, or Parkland College credit through proficiency exams. Classes will be instructor-led as well as classroom delivered, and will include hands-on activities, individual and group projects, workbooks, online materials, and Internet-based projects. Additionally, all participants who take part in organized training sessions may be eligible to receive free software through Microsoft’s Academic Alliance program. Our experience from past years indicates that there is a large underserved population in the Champaign-Urbana area which has a very limited understanding of computer technology (more than 50% of last year’s participants were at this level) and thus demand the basic level of training. Therefore, our core instruction is the primary focus of our training efforts and will contain many introductory topics focused on bringing each group up to speed concerning the basics of computer technology. The planned result of this training is to provide a path for each participant to take once they have completed their training at a PCC. One path is to use the knowledge that has been gained through the training programs to apply for a job and enter the workforce. All computer instruction and training utilizes curriculum, software, and/or textbooks developed and/or currently used by faculty of the Computer Science/Information Technology department at Parkland College in the following areas: Keyboarding; MS Office Applications – Introduction to computer operation and software use, computer terminology, and hardware and software fundamentals; introduction to word processing, electronic spreadsheets, databases, Internet, and other practical applications; one text, Technology In Action, is a custom edition for



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Parkland College; Basic PC Maintenance/Operating Systems – Introduction to microcomputer operating systems, file management, disk organization, memory resource management, system configuration, and disk maintenance. Objectives include preparing students for some of the topics in CompTIA A+ certification exam; Emerging Technology: New pc form factor, wireless tech, cloud computing, display technology, fiber, 3d optical drives, and nano-technology; Digital Media Applications; A+ Certification practice and drilling because this offers a competitive advantage when applying for entry-level employment in computer support. Students who pass the A+ Certification exam are also eligible to earn 6 hours of Parkland College credit; Information Technology (IT) Job-Shadow – Successful completers of advanced curriculum may participate in a 40-hour, IT-related job-shadow experience with a local business or organization. Proficiency Exams – Qualified students will have the option to take proficiency exams that could result in up to 8 hours of Parkland College credit. Further instruction will be provided by paid and volunteer cybernavigators who will run a community help desk and conduct tutorials and workshops as needed. These participants draw on the legacy of Prairienet, where community needs drive the curricula.

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

- 2500

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

- 64

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

- 8

F. Project Budget

Project Budget	
Federal Grant Request	\$1,113,144
Total Match Amount	\$850,008



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Total Budget	\$1,963,152
Match Percent	43.3%

Projects Outside Recommended Funding Range:

- n/a

Sustainability:

UC2B's Public Computer Center proposal's approach to sustainability is to infuse broadband use throughout the community, particularly in the targeted areas. As computer literacy increases among underserved populations, those in such groups will share their newfound knowledge with others and contribute to the viability of local PCCs. As PCCs continue to be or become neighborhood gathering spots, they serve as nodes in a network across the community, linking anchor and grassroots organizations with strengthening bonds. The "social" infrastructure, then, is a key to the sustainability of PCCs. People connect with people around broadband access and computer training and this common ground expands to support an ongoing coalition of different, local sites that learn from and share good practices with each other. The UC2B policy committee will work closely with the community advisory committee to increase the cyberpower of the vulnerable populations. We contemplate city-wide events, such as Broadband Sunday, to spread the word about potentials for digital community uplift. A broadband-transformed local culture and economy will maintain its broadband connections and uses.

Matching Funds	
Applicant is providing matching funds of at least 20% towards the total eligible project costs?	Yes
Describe the matching contributions	In Kind: Urbana Free Library Tech Volunteers \$194,433 (three year total) train patrons in computer use Cash Match: proposal development (Irish, Bievenue, Adams, and Bishop, percentage of salaries and benefits) \$23,521 Hip Hop Trailer for mobile lab at Don Moyer Boys and Girls Club (UI Public Engagement funds) \$15,000



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	<p>DCEO Digital Divide Grant, Prairienet, \$11,172 for computer equipment; \$4400 for one year of a grad assistant Champaign Public Library Capital Fund \$100,000 and state match for bonded project (library expansion) Don Moyer’s Boys and Girls Club: \$10,000 feasibility study for construction</p>
Unjust enrichment	We are not receiving nor have we requested any federal support for nonrecurring costs.
Disclosure of federal and/or state funding sources	<p>A significant UC2B infrastructure project (\$22,534,776) has been awarded to construct 187 miles of fiber-optic broadband and connect 143 anchor institutions throughout Champaign and Urbana. This funding will also provide fiber-to-the-home to four low-income neighborhoods. The institutions that will be networked include 40 K-12 schools, 17 social service agencies, 14 health care facilities, nine youth centers, four public library systems, and two institutions of higher education. Additionally, we are leveraging a State of Illinois Digital Divide grant to the Community Informatics Initiative at GSLIS (\$55,000 funded in FY09) that supports a community technology center in north Champaign; another Digital Divide grant to Parkland College (also \$55,000) supports workforce development and training to underemployed workers and access to public computing. Part of an NSF Icubed/Cpath grant to Parkland College in the amount of \$26,967 is being leveraged to teach digital literacy.</p>

Budget Narrative	
Budget narrative	<p>Following the proposal development and upon receipt of funding, Sharon Irish, who is on staff at the University of Illinois, will serve as liaison between the UI and the UC2B PCC project for three years (\$9135). A quarter-time graduate assistant will provide project support for the first year, paid by local matching funds of \$4400. The site managers are part-time hourly staff who work at the public computers centers with which they have been involved all along—churches, community organizations, and youth clubs. The federal request will provide \$10/hr wages for their time to keep the labs open. Most of the</p>



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	<p>personnel in the PCC-SBA proposals are integrated within already operating organizations or centers, itemized below. Fringe benefits, when provided, are calculated according to agreed-upon formulas. \$10,000 over three years will cover office supplies for the project and PCCs.</p> <p>While Parkland College will supply the equipment for the sites they will be working with, the lead organization will purchase equipment for targeted access sites and the technology hubs, for \$43,000. A local match from a state DCEO grant will provide \$11,172 for computer equipment.</p> <p>Subawards: The Champaign Public Library has \$100,000 in a capital fund to match an expansion of Douglass Branch Library. Another \$149,845 from the state of Illinois is requested to complete this renovation: construction and design services, electrical work, removal of a wall and a single-user restroom. The Graduate School of Library and Information Science has an active collaboration with Urbana Free Library to provide tech/computer training to patrons at the library, both one-on-one and classes. The \$194,233 is the value over three years of these volunteer hours. The Champaign Center hub needs interior renovation, and \$102,000 to support that will come from the CITES match. These funds would cover design and engineering services, construction management, electrical work, installation of new walls, sound-proofing and interior finishes. The Urbana Neighborhood Connections site will be expanded to accommodate youth needs and more workstations. \$110,500 of that cost will be paid by the city of Urbana.</p> <p>The Don Moyer’s Boys and Girls Club has contributed \$10,000 for a feasibility study for construction and Hip Hop Trailer for mobile lab at Don Moyer Boys and Girls Club (UI Public Engagement funds,\$15,000). The Independent Media Center will contribute \$7000 from their general fund to match a federal request of \$35,000 for more computer equipment.</p> <p>Within Parkland College’s subaward (\$800,768) the personnel will be: a full-time director of education who will be paid \$53,000 per year and oversee the training delivered at 15 PCCs and targeted access sites.</p>
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	<p>This director will hire part-time assistants, teachers and lab staff, as well as be liaison with the tech support contract and equipment purchases. The wireless installation will be overseen by the city of Urbana for \$30,000.</p>
Budget reasonableness	<p>One way to address budget reasonableness is by category of expenditure. Salaries are in keeping with pay scales and human resource policy at the participating institutions. The scope of effort for administrators, teachers, lab assistants, and site managers is appropriate to their job descriptions. The cost of printing will be minimized by using web portals and listservs, although fliers and training materials are crucial for those unfamiliar with IT. All equipment will be purchased through Mezolink, a local small business, which is offering competitive rates for machines, software and maintenance. Additional recent but recycled machines will be provided gratis and repurposed for use by grassroots organizations. Renovation costs are shared across all three funding streams and provide increased capacity for important anchor institutions, that could not scale up without this support. The wireless install is very affordable because the city of Urbana is contributing its staff to design and install the equipment. Thus we increase our impact by joining with these groups.</p> <p>Another way to address budget reasonableness is to note the level of local and state support for the project. The University of Illinois (CITES) has contributed \$420,000 to carry out this development; the city of Urbana has pledged \$210,000; both school districts and Urbana Free Library have been generous in their in-kind contributions; Champaign Public Library has provided \$100,000 for its branch expansion and local groups such as the boys and girls club and the Independent Media Center have offered in-kind and cash support. All construction contracts will be bid out with preference given to qualified socially and economically disadvantaged businesses.</p>
Demonstration of need	<p>There is no possible way that this proposal would be funded without support from the broadband stimulus program. The state of Illinois, like the rest of the nation, is in the midst of a deep recession with an eleven billion dollar deficit. The governor recently suggested cuts of</p>



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	<p>two billions and another \$4.7 billions in borrowing. The state is \$436 million dollars behind in payments to University of Illinois, which is spurring further cuts and reorganizations. The Champaign Urban League, a key support for many underserved in C-U, closed its doors in 2006 due to lack of funds and most social service agencies are struggling to survive. Similarly, Parkland College is operating on reduced resources. The way to fulfill the needs of our communities is to obtain federal funding and match it with willpower, commitment, and our own much smaller financial resources to create long-lasting transformations in public and personal lives.</p>
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Funds to States/Territories

States	Amount of Federal Grant Request
Illinois	

Funds to States/Territories Total: \$1,113,144

G. Historical Financials

Matching Funds			
	2007	2008	2009
Revenue	2,628,029,000	2,846,316,000	0
Expenditures	3,744,787,000	4,038,418,000	0
Net Assets	2,415,856,000	2,355,349,000	0
Change in Net Assets from Prior Year	45,871,000	-60,507,000	0
Bond Rating (if applicable)			

H. Public Computer Center Summary



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Jobs	
How many direct jobs-years will be created from this project?	37
How many indirect jobs will be created from this project?	24
How many jobs will be induced from this project?	14

Methodology used to estimate jobs:

\$92,000 of government spending creates 1 job-year, but that is high for our region, so we used \$80,000.

64% of the job-years represent indirect effects

36% of the job-years are induced effects

For the four construction jobs, we expect 15 jobs per construction site = 2 electricians, 1 network engineer, 5 construction laborers, 1 GM/foreman, 2 journeymen, 1 plumber, 3 carpenters, 2 bricklayers/masons, 2 food service, for a total of 60; since it is just three job-years, that means 30 jobs.

For the staffing of PCC according to the job-year measure, there would be 19.5 jobs created; again considering 3 years, about 7.

One metric that is difficult to calculate is the job creation over the long term. We see our current efforts as infusing skills, connections, and capacities into organizations well into the future.

Proposed # of Public Computer Centers	
Schools (k-12)	6
Libraries	3
Medical and Healthcare Providers	2
Public Safety Entities	0
Community Colleges	0
Public Housing	1
Other Institutions of Higher Education	0



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Other Community Support Organization	6
Other Government Facilities	1

Total Proposed Public Computer Centers 19

Current Total Persons in Service Area 179669

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

Weekly Usage Summary	
Total Current # of Persons Served per 120-hour Business Week	4006
Total Proposed # of Persons Served per 120-hour Business Week	7995
Total Current # of Persons	900



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Served per 48-hour Weekend	
Total Proposed # of Persons Served per 48-hour Weekend	1692

Broadband Workstation Summary	
Number of Current Workstations proposed to be upgraded	0
Total Current # of Broadband Workstations	366
Total Proposed # of Broadband Workstations	111
Average Current Facility Broadband Connection Speed	13.90 Mbps
Average Proposed Facility Broadband Connection Speed	100.00 Mbps

I. Project Readiness

Licenses and Regulatory Approvals

For Renovation and Expansion of 4 Public Computer Centers we cannot apply for permits until we have construction specifications, which won't be obtained until after funding comes through: Urbana Neighborhood Connections Center interior renovation, permit not applied for Douglass Branch Library interior renovation, permit not applied for UC2B Champaign Tech Center (public health) renovation, permit not applied for Don Moyer Boys and Girls Club addition, permit not applied for

The city of Urbana will be overseeing the wireless installation at 7-9 facilities in Champaign-Urbana and the appropriate approvals for building installation and inspection will be in place. For antennae placements, the discussions have already occurred in both cities and permits will be no problem. The licensing for the wireless band that we will be using is already in place.

Organizational Readiness



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Parkland College has been delivering computer literacy training for 10 years. The lead agency for the Urbana-Champaign Big Broadband (UC2B) Consortium will be the University of Illinois at Urbana-Champaign. The Community Informatics program at the University of Illinois Graduate School of Library and Information Science has existed in some version since 1994, when faculty founded Prairienet. This experience is supplemented by a strong local tradition of autonomous community technology/media initiatives. Champaign-Urbana Community Wireless Network is a world-renowned coalition of wireless developers and volunteers providing low-cost, do-it-yourself, community-controlled alternatives to contemporary broadband models. The Urbana Champaign Independent Media Center, one of the 18 public computer centers, operates a community radio station, performance space, media production and training facility, art gallery, and artist spaces.

Readiness comes from the UC2B application being part of ongoing local activities. Our community has highly skilled folks already working on this important historical transformation; they have joined forces to make UC2B hit the ground running. The Champaign Library has had the renovation plans for the Douglass Library ready and waiting; funding will make it happen. The Don Moyer Boys and Girls Club has long planned to work toward becoming an Intel Clubhouse, and extra space and some equipment will get them moving in that direction. Many organizations have worked together for years: Parkland has conducted training at the boys and girls clubs, at Shadowwood Community Center, at Salem Baptist Church, and other targeted access points, so relationships are established and participants are not strangers. The UI library school has an active program with The Urbana Free Library for students to serve as tech volunteers in the computer lab, supporting the library patrons with one-on-one help. The UI and Parkland also have strong connections in the local schools, through service-learning projects and hands-on engagement activities in both Urbana and Champaign. Prairienet, which now provides the conceptual foundation for the UI Community Informatics Initiative (CII), nurtured deep and lasting connections with local organizations, and those have been maintained through CII.

Project Timeline and Challenges

September 2010: Grant Awarded

Oct - Dec 2010:

- * PCC Stakeholder Committee and UC2B Policy Committee begin overseeing this project
- * Hiring of management team and administrative support team
- * Final construction/renovation specifications are prepared for bidding



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* First round of workstations and equipment purchases are made (for PCCs that don't require construction or fiber-optic Internet connectivity first)

Jan - Mar 2011:

- * Conduct hiring for additional lab monitors, assistants and instructors
- * Construction bids are awarded and vendors are contracted
- * Five PCCs open with the expanded hours and equipment

Apr - Jun 2011:

- * Second round of workstation and equipment purchases are made
- * Construction is underway for PCC expansion
- * Wireless equipment installed at identified sites
- * Conduct training for new PCC staff

Jul - Sept 2011:

- * UC2B below-ground fiber provides Internet to remaining 13 PCC locations
- * Final round of workstations and equipment purchases are made
- * Eighteen PCCs are open with expanded hours and equipment
- * Beginning level classes available at all training locations
- * 100,000 additional users have been served in project's first 12 months

Oct - Dec 2011:

- * Hiring for all locations is complete
- * Construction complete at Douglass Branch; Don Moyer Boys and Girls Club; Urbana Connections; UC2B Champaign Center for PCC expansion
- * Big Broadband public gathering for skills share and tours
- * All 18 PCCs are open at full proposed capacity
- * First round of graduates complete beginning classes

Jan - Mar 2012:

- * Stakeholder Committee and Policy Committee focus on outreach and marketing to vulnerable populations
- * Train the trainer sessions introduced at PCCs that want them
- * Beginning and Intermediate/Advanced classes available at all training locations



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Apr - Jun 2012:

- * First round of graduates from all training locations finish beginner and intermediate classes

Jul - Sept 2012:

- * 200,000 additional users have been served in project's first 24 months

Oct - Dec 2012:

- * Stakeholder Committee and Policy Committee focus on financial shift to the sustainable phase after grant funding
- * Big Broadband public gathering for skills share and tours
- * Fall beginner and intermediate classes are held

Jan - Mar 2013:

- * Plans firmed up to dovetail PCC and SBA proposals for mutual benefit
- * Train the trainer sessions continue

Apr - Jun 2013:

- * Spring beginner and intermediate classes are held

Jul - Sept 2013:

- * 300,000 additional users have been served

September 2013: Grant Ends

SPIN Number

J. Environmental Questionnaire

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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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

All materials will be installed, stored and operated in existing structures: 96 workstations, 18 printers, 14 scanners, and 3 sets of microphones, cables, headphones, speakers, and ethernet switches.

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

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

Minor interior renovations will occur at the Urbana Neighborhood Connections Center and Douglass Branch Library.

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

Yes

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

Yes

Training, teaching and meeting will occur at 25 locations around Champaign-Urbana. All of these structures currently exist.



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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.

No

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?

No

K. Environmental Questionnaire – Part 2

Project Description

The renovation of Douglass Branch Library, 504 E. Grove, Ch, will remove a wall to create space for 10 more work stations. A single user restroom along with needed electrical work, new carpeting and paint will occur. Don Moyer Boys and Girls Club, 201 E. Park, Ch, will gain a 1-story, 1200 sq ft space to the east of the main building with work stations, and a sound-proof studio. The renovation at the Urbana Neighborhood Connections Center, 1401 E. Main St., involves upgrading 1005 sq ft. to divide the space into 2 main rooms with drywall, flooring, lighting, locks and finishing. Also an interior hallway, 2 restrooms, 6 closets and kitchen space will be added. After an initial feasibility study, construction at the UC2B Champaign Center, 201 Kenyon Road, will include renovation of part of a 4800sq ft area to bring it up to code, and construction of a digital media recording studio. Wireless support will select, design, install and integrate wireless service into PCCs, as well as placing hardware on no less than seven locations: the public schools in the targeted areas that do not currently have wireless (Prairie [2102 E. Washington] and Leal Schools [312 W. Oregon] in U; Garden Hills [2001 W. Garden Hills] and Kenwood [1001 S. Stratford Dr.] in Ch); Salem Baptist Church [500 E. Park] and New Hope Church of God in Christ [911 W. Bradley] in Ch; the Urbana Neighborhood Connections Center; and the Don Moyer Boys and Girls Club in Ch.

Property Changes



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The property at 201 E. Park in Champaign, owned by Don Moyer Boys and Girls Club, will gain an addition, which will be concrete block on slab. Don Moyer is classified as indoor recreation/charitable organization and zoned CB-Central Business. This site is not on a wetland, brownfield or coastal site, but is in the floodplain. (See FIRMette with proposed expansion indicated.) We are not disturbing any habitats, but a list of county species is included in Supplemental Uploads. The project will not impact any properties listed or eligible for listing in the National Register of Historic Places. Attached is a list of NR listed properties within the required one-mile radius.

Buildings

The property at 201 E. Park in Champaign, owned by Don Moyer Boys and Girls Club, will gain an addition, which will be a 1200 sq ft concrete block structure on slab foundation. (See FIRMette with proposed expansion indicated.)

Wetlands

No wetlands are present on or near the project site at 201 E. Park, Champaign.

Critical Habitats

The construction at 201 E. Park St. Champaign will not directly or indirectly affect any threatened, endangered, or candidate species. Nor it the site within or near critical habitats.
Species list is attached.

Floodplain

The only facility in a floodplain is the Don Moyer Boys and Girls Club at 201 E. Park St., Champaign. FEMA FIRMette is attached.

Protected Land

The project at 201 E. Park St. in Champaign will not impact any properties listed or eligible for listing in the National Register of Historic Places. A list of NR listed properties within the required one-mile radius is attached.



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Coastal Area

No properties in Champaign-Urbana are within the boundaries of a coastal zone management area.

Brownfield

The project site at 201 E. Park St., Champaign, is not 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	PCC MANAGEMENT TEAM RESUMES AND ORGANIZATION CHART.pdf	Young, Katherine	03/15/2010
Government and Key Partnerships	PCC GOVERNMENT AND KEY PARTNERSHIPS.pdf	Young, Katherine	03/15/2010
Historical Financial Statements	UI2008report.pdf	Young, Katherine	03/15/2010
Historical Financial Statements	UI2007report.pdf	Young, Katherine	03/15/2010
Public Center Detail	upload template - PCC - PCC Details-UC2BFINAL.xls	Young, Katherine	03/15/2010
Detailed Budget	UC2B PCC 2010_03_15.xls	Young, Katherine	03/15/2010
BTOP Certifications	Authentication(PCC).pdf	Young, Katherine	03/15/2010
SF424 Budget (A or C)	PCC SF-424A form.pdf	Young, Katherine	03/15/2010



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SF424 B and D Assurances	pcc cert.pdf	Young, Katherine	03/15/2010
Supplemental Information	PCC SUPPLEMENTAL UPLOAD.pdf	Young, Katherine	03/15/2010